HP 1000
SOFTWARE STATUS
BULLETIN

1 January, 1985

HEWLETT PACKARD

DATA SYSTEMS DIVISION
Cupertino, California

5955-3201JAN1

P R E F A C E

This Software Status Bulletin (SSB) documents all known problems in the HP 1000 software product line, as of the date shown. The SSB is derived from Known Problem Reports (KPR) which result from Service Requests (SR) submitted by users of these products. The SSB is provided as a benefit of Hewlett-Packard's Comprehensive Software Support Service, Software Subscription Service, and Software Notification Service.

Not all SR's submitted to HP are listed in the SSB. Ones which involve problems that cannot be duplicated, requests for enhancements and misunderstandings about an application or a feature are not listed in the SSB. SR's which refer to a previously documented problem are cross referenced within the report which originally identified the problem. Every SR verified by an HP Systems Engineer and sent to the factory is assigned a unique identifier and acknowledged by letter to the SE. When the SR is classified as a documentation problem or a software design fault, a KPR is written for it. The KPR then appears in the next issue of the SSB. After the problem has been corrected and signed off by Product Assurance, the fact is noted in the KPR with the following statement: "Date fix signed off : mm/dd/yy Rel: XX.XX.". When a new software release is made for the product line, all problems that were corrected in that release are reported in the Software Update Notice for that release and the KPR's are removed from the SSB.

The SSB is distributed in complete form once every calendar quarter. Between quarterly issues, bi-monthly issues containing only problems documented since the last SSB issue are distributed. This means, that to have a complete list of all outstanding problems you must have the last quarterly issue and all monthly issues since that quarterly.

Of the five sections contained in the SSB, only the last (known problem reports) has page numbers. The product, KPR number and keyword indexes all reference these page numbers to direct the user to a particular area or individual detailed report. The five sections are described below:

SOFTWARE RELEASE CONTENTS

This section gives you the revision code of the current software release and the previous software release for the product line. Additionally, the current and previous revision codes are given for each product contained in the product line.

PRODUCT INDEX

The bi-monthly issues have one product index. The quarterly issue has two; the first referencing the problems that were documented since the last bi-monthly issue, and the second referencing problems reported in a previous issue of the SSB. Each unique product name/number has an entry listing the page number where the KPR's against that product begin.

KPR NUMBER INDEX

A sequential list of KPR numbers with the corresponding page number where the KPR can be found.

KEYWORD INDEX

This index is sorted by product name, keyword, product number (including revision code) and by KPR number in that order. Along with the sort items, each entry has a brief (72 character) description and the page number where the KPR can be found. New entries in the Quarterly Issue are denoted by an asterisk in the keyword index.

KNOWN PROBLEM REPORTS

Each report contains all the available information relevant to the symptoms, cause and fix of the problem as well as any temporary workarou

Customers should forward service requests to one of the following addresses:

Hewlett-Packard
ATTN: Service Requests
3300 Scott Boulevard
Santa Clara, CA 95051

Hewlett-Packard
ATTN: Service Requests
1765 The Exchange, Suite 100
Atlanta, GA 30339

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	92077A	23.01	Buffer limits not check in SAM	2200000950	324
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	92077A	23.26	Corrupted files in new RTE-A file system.	2200005728	337
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- RTE-L W/PROGRAMMING -

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PFORM	92071A	21.01	PFORM PUTS WRONG WORD COUNT IN PROM IMAGE FILE	2200054171	417
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- VIS FOR RTE-6/VM -

Keyword	Product number	uu.ff	Description	KPR number	page
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	91751A	00.00	Primary prog for PAd Virtual Circuit couldn't be rescheduled after exit	5000007302	426
	91751A	00.00	Hello & Bye don't always deallocate their resources under X.25	5000007328	426
	91751A	00.00	With both primary & secondary progs busy user unable to get "RTE" prompt	5000007351	426
	91751A	00.00	RTE breakmode doesn't work from PAD terminal	5000007690	426
	91751A	00.00	System abort msgs not displayed on PAD terminal	5000007708	426
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	91751A	22.01	POWER FAIL RECOVERY FAILS IN X.25	2200054759	425
	91751A	22.01	XTLOG FILE CAN GET GARBAGED	2200054767	425
	91751A	22.01	SETTING THE TIMEOUT ON USER DVT FOR UNSOLICITED EVENTS	2200054775	425
	91751A	23.26	SYSTEM HALT ON ONE NODE CAUSES SAMJAM ON OTHER NODES	2200004747	425

KPR #: 2200051367 Product: 2240 M&C PROCESSOR 2240A 20.13

Keywords: 2240

One-line description:
2240 SERVICE MANUAL RESISTOR DESCRIPTION IS INCORRECT

Problem:
Page D-11 and D-12 of the Installation and Service Manual should describe resistors R148 through R162 the same as R147.

Fix information:
Fix date unknown.

KPR #: 2200051912 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250 SRQ

One-line description:
2250 CAN LOSE SPECIFIC INTERRUPTS

Problem:
A read from Secondary 4 returns 16 words which represent 16 interrupts, either programmed via the SRQ command or interrupts from a function card. The interrupts are reported in numeric order, not the order of occurance. If there are more than 16 interrupts to be reported, Secondary 4 should be read from again. If the last (16th) word returned by a read from Secondary 4 is one of the following other interrupts that may have occured will be lost from interrupt status: SRQs 33, 65, 97, or an interrupt from the first channel on any function card. The interrupts that will be lost in this case are as follows:

For SRQ 33 : programmed SRQs 34-48, if they occurred.
For SRQ 65 : programmed SRQs 66-80, if they occurred.
For SRQ 97 : programmed SRQs 98-112, if they occurred.
For an interrupt from channel 1 on any function card :
interrupts from channel 2-16, if they occurred.

Temporary solution:
A down loadable subroutine which can be used to work around this problem is available. Please have your local SE contact Roseville Division.

Fix information:
Fix date unknown.

KPR #: 2200051920 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250

One-line description:
2250 ERROR CHECK ON BUFFER REFERENCE INCOMPLETE

Problem:
The 2250 firmware that scans the parameters for a down-loaded subroutine does not always check buffer numbers correctly. If a subroutine is called with a buffer number for a parameter (i.e. a parameter of the form "BN" or "BVN') the 2250 firmware will allow a reference to one more buffer than is actually defined. For example: if there are 10 user buffers allocated a subroutine call "CALL SUB(B11)" will be allowed. "CALL SUB(BV1) where V1=11 will also be allowed. The firmware should rport an error 24 (reference to Undefined Buffer) in both cases.

Fix information:
Fix date unknown.

KPR #: 2200051938 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250 COMPILER ERROR

One-line description:
2250 CAN GET FATAL ERRORS DURING COMPILATION

Problem:
IF THE COMPILER RUNS OUT OF MEMORY DURING COMPILATION IT SHOULD GET AN ERROR 8. IF HOWEVER THE MEMORY OVER-FLOW OCCURS DURING THE COMPILATION OF AN I/O COMMAND THE 2250 CAN GET SEVERAL DIFFERENT ERRORS INCLUDING FATAL ERROR 50 (UNRECOGNIZED INTERRUPT) OR EXECUTING THE POWER-FAIL SEQUENCE.(OTHER ERRORS COULD ALSO OCCUR SEE EXPLANATION BELOW.)

Cause:
DURING THE COMPILATION OF I/O COMMANDS MCI DMA QUADS ARE CONSTRUCTED USING SOME OF THE COMPILER'S SCRATCH SPACE. IF THE COMPILER RUNS OUT OF SCRATCH SPACE DURING THIS QUAD BUILDING, AN ERROR 8 SHOULD BE REPORTED. HOWEVER THE ERROR 8 IS LOST AND THE 2250 STARTS EXECUTING BASE PAGE BEGINNING WITH THE A AND B REGISTERS. THE FIRST MEANINGFUL INSTRUCTION ENCOUNTERED WILL DETERMINE WHAT THE 2250 WILL DO. THIS ACCOUNTS FOR THE SOMEWHAT RANDOMNESS OF THE FAILURES.

Temporary solution:
ALTHOUGH THIS PROBLEM IS DIFFICULT TO CONTROL OR PREDICT WHEN IT WILL OCCUR, THE FOLLOWING PRECAUTIONS CAN BE TAKEN TO MINIMIZE ITS OCCURENCE.
1. DON'T SEND THE 2250 LARGE TASKS WHEN THERE IS NOT MUCH MEMORY LEFT (BREAK THEM INTO SMALLER TASKS). USE THE RAM COMMAND TO FIND AVAILABLE MEMORY.
2. USE RESIDENT TASKS SO YOU DO NOT COMPILE AT TASK RUN TIME.
3. DON'T USE THE DIMENSION COMMAND UNTIL ALL RESIDENT TASKS HAVE BEEN COMPILED AND STORED.

ACTION : UNDER INVESTIGATION

Fix information:
Fix date unknown.

KPR #: 2200052142 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250

One-line description:
FATAL ERROR 55 CAN OCCUR WHEN LAST TASK TERMINATES

Problem:
THERE IS AN APPROXIMATELY 10 MICROSECOND WINDOW DURING THE TERMINATION OF A SCHEDULED TASK WHERE, IF ANY ASYNCHRONOUS EVENT OCCURS (I.E. SECONDARY STATUS REQUEST, FUNCTION CARD INTERRUPT ETC.) THE 2250 WILL REPORT A FATAL ERROR 55. THIS APPLIES TO ANY REASON FOR TASK TERMINATION : NORMAL TASK COMPLETION, STOP COMMAND TERMINATION, OR ERROR TERMINATION. THE ERROR FORTUNATELY ONLY OCCURS IF THE TERMINATING TASK IS THE LAST SCHEDULED TASK (I.E. NO MORE TASKS IN THE ROUND-ROBIN QUEUE).

TO AVOID THE PROBLEM NEVER ALLOW THE ROUND-ROBIN QUEUE TO BECOME EMPTY. TO DO THIS USE A TASK OF THE FORM :

```
TASK(?,32767) REPEAT(0) PAUSE NEXT!
```

THIS TASK CANNOT GET A RUN-TIME ERROR AND WILL NEVER END.
NOTE : THIS BUG ONLY EFFECTS SCHEDULED TASKS, MAIN TASKS AND TASKS EXECUTED BY THE GOSUB COMMAND ARE NOT EFFECTED.

Fix information:
Fix date unknown.

KPR #: 2200052167 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250 ANALOG INPUT

One-line description:
SINGLE WORD READS ON ANALOG CARDS CAN FAIL

Problem:
WHEN READING FROM ANTICIPATORY CHANNELS (REGISTERS 1-192) VIA THE ' READ ' COMMAND, IF THE THIRD CHANNEL TO BE READ IS ADDRESSED FROM EITHER A NEW PARAMETER GROUP, OR IS THE FIRST CHANNEL ON A CARD CROSSED ONTO BY A PARAMETER GROUP, THE I/O QUAD TO READ THAT CHANNEL IS BUILT INCORRECTLY. THIS CAUSES THE 2250 TO GET STUCK WHEN THE QUAD IS EXECUTED. THE ONLY WAY TO RECOVER IS TO PRESS THE RESET BUTTON ON THE 2250 STATUS PANEL.
THIS WILL ONLY OCCUR WHEN USING THE READ COMMAND: ALL OTHER MCL ACCESSES TO ANTICIPATORY CHANNELS ARE DOUBLE WORD READS, WHICH ARE UNAFFECTED BY THIS BUG. ALSO THE BUG ONLY OCCURS WHEN THE THIRD CHANNEL TO BE READ BEGINS A NEW PARAMETER GROUP OR A NEW CARD.

Fix information:
Fix date unknown.

KPR #: 2200052506 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250

One-line description:
EXECUTION TIME FOR THE 'NEXT' COMMAND IS INCORRECT

Problem:
PAGE C-2 OF THE 2250 PROGRAMMERS MANUAL STATES THAT THE EXECUTION TIME OF THE "NEXT" COMMAND IS 0.96 MILLISECONDS. HOWEVER THE CURRENTLY MEASURED TIME IS 0.18 MILLISECONDS.

Fix information:
Fix date unknown.

KPR #: 2200052985 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250 MCX

One-line description:
2250 EXERCISER PROGRAM (MCX) WILL HANG ON LOG FILE ERROR

Problem:
ON A WRITE ERROR TO A LOG FILE, MCX WILL GO INTO AN INFINITE LOOP.

Cause:
SUBROUTINE " OUTPT " HANDLES LOGGING AND PRINTING OF ALL INFORMATION. ON AN ERROR, " OUTPT " CALLS " FMPER " TO REPORT THE ERROR. " FMPER " THEN CALLS " OUTPT " TO LOG THE MESSAGE, CAUSING AN ILLEGAL REENTRANCE. THE RETURN ADDRESS IN " OUTPT " IS LOST AND THE PROGRAM LOOPS INDEFINITELY.

Fix information:
Fix date unknown.

KPR #: 2200056788 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250

One-line description:
2250 FAILS TO COMMUNICATE IN A FULLY LOADED UNIT AFTER POWER UP

Problem:
THE GLOBAL INTERRUPT ENABLE STATE IS INCORRECT AFTER POWER-UP IN A FULL SYSTEM.
IN A 2250 SYSTEM WITH ALL MCU SLOTS FULL, IF A FUNTION CARD INTERRUPT IS ENABLED (VIA INT COMMAND) AND THE INTERRUPT OCCURS BEFORE AND FCI COMMAND IS EXECUTED, THE 2250 HANGS UP: NO HP-IB COMMUNICATIONS ARE POSSIBLE. THE ONLY RECOVERY IS A HARD RESET.

Cause:
AFTER POWER-UP OR A 'RESET' COMMAND, THE 2250 FIRMWARE FAILS TO DISABLE MCI CARD INTERRUPTS IN A FULL SYSTEM, BUT THE FIRMWARE'S INTERNAL FLAGS INDICATE THAT THOSE INTERRUPTS ARE DISABLED. THUS, IF A FUNCTION CARD INTERRUPTS THROUGH THE MCI CARD WHILE THE FIRMWARE IS IN THIS STATE, THE INTERRUPT WILL NEVER BE ACKNOWLEDGED BY THE 2250 FIRMWARE AND SO WILL NEVER BE CLEARED. IF THERE ARE ANY EMPTY SLOTS IN THE SYSTEM, THE 2250 FIRMWARE CORRECTLY DISABLES MCI INTERRUPTS. EXECUTION OF THE FCI COMMAND WILL MAKE THE FIRMWARE AND THE HARDWARE AGREE AS TO THE STATE OF FUNCTION CARD INTERRUPTS.

Temporary solution:
IF ANY SLOTS IN THE 2250'S MCU'S IS EMPTY, THE BUG DOES NOT OCCUR.
IF AN FCI COMMAND IS EXECUTED BEFORE THE INTERRUPT OCCURS, EVERYTHING WORKS AS EXPECTED.

Fix information:

Fix date unknown.

KPR #: 2200057109 Product: 2250 M&C PROCESSOR 2250 21.01

Keywords: 2250 MCL

One-line description:
MCLIO AVERAGING ERROR

Problem:
THE AVERAGING ALGORITHM USED BY MCLIO IGNORES ANY DATA ITEM THAT IS NOT 'CONVENIENT' TO THE ALGORITHM, THUS PRODUCING A RESULT BASED ON ONLY PART OF THE DATA SAMPLE.

Temporary solution:
A CORRECTED VERSION OF MCLIO IS BEING TESTED AT RVD AND WILL BE AVAILABLE SOON. USE THE MCL COMMAND AAV TO AVERAGE RESULTS AFTER CONVERSION AS A TEMPORARY WORKAROUND.

Fix information:
Fix date unknown.

KPR #: 2200052159 Product: 2313 DATA ACQ. SUB. 2313A 16.40

Keywords: 2313

One-line description:
GAIN CODE WORD FORMAT IS INCORRECT FOR LLMPX

Problem:
PAGE 3-9/3-10 FIGURE 3-3 IN THE 2313 OPERATING AND SERVICE MANUAL VOLUME 2, SHOWS THE LLMPX GAIN CODE WORD AS CONSISTING OF 2 WORDS. THE GAIN CODE IS ONLY ONE WORD LONG. THE SECOND WORD SHOWN IN THE FIGURE IS CORRECT; THE FIRST WORD SHOULD BE DISREGARDED.

Fix information:
Fix date unknown.

KPR #: 2200004762 Product: 8 CHANNEL MUX-A L/A 12040A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
A-series mux can have transmission errors in edit

Problem:
On RTE-A with heavy I/O loading, the I/O system can report transmission errors over the multiplexor. This can also occur with RTE-A.1.

Temporary solution:
Moving the mux card closer to the processor makes the problem happen less often.
Lowering the baud rate to 2400 baud on an A700 or to 4800 baud on an A900 makes the problem occur less often.

Fix information:
Many of the symptoms of this problem were fixed at C.83. Other symptoms will be fixed by A.85.

KPR #: 2200030882 Product: 8 CHANNEL MUX-A L/A 12040A .

Keywords: MUX-8 CHANNEL IDM00

One-line description:
Rev. 2301 MUX software causes Backslashes

Fix information:
FIXED AT B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200030981 Product: 8 CHANNEL MUX-A L/A 12040A .

Keywords: MUX-8 CHANNEL DOCUMENTATION ERRORS

One-line description:
Pins are labelled incorrectly in the 12040A Reference Manual

Fix information:

Update Number 1 (May 1983) to 12792-90020 Installation and Reference Manual corrects pin designations for Channel 0 - 7.

KPR #: 2200031039 Product: 8 CHANNEL MUX-A L/A 12040A .

Keywords: MUX-8 CHANNEL

One-line description:
Data overrun on 12040A MUX

Fix information:
This was fixed in the B revision to the MUX firmware.

Signed off 07/05/84 in release 23.01

KPR #: 2200056655 Product: 8 CHANNEL MUX-A L/A 12040A 22.26

Keywords: IDM00 MUX-8 CHANNEL

One-line description:
IDM00 DOES NOT MEET I/O REQUEST CONVENTIONS

Problem:
THE 12040A MUX SOFTWARE DOES NOT FOLLOW THE I/O CONVENTIONS FOR PADDING AND STRIPPING CHARACTERS AS SPECIFIED IN THE DRIVER REFERENCE MANUAL FOR THE OPERATING SYSTEM, E.G. RTE-A (92077-90011 CH.1).

Fix information:
TO BE FIXED @ B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200057760 Product: 8 CHANNEL MUX-A L/A 12040A 23.01

Keywords: IDM00 MUX-8 CHANNEL

One-line description:
TERMINATE ON BYTE COUNT DOES NOT WORK WITH L/A SERIES MUX

Problem:
SETING BIT 6 IN THE CONTROL WORD ON AN EXEC READ CALL ON DEVICE DRIVER DD.00 IS SUPPOSED TO SET UP A "TERMINATE ON BYTE COUNT" READ, MEANING THAT THE READ WILL TERMINATE AS SOON AS THE SPECIFIED NUMBER OF BYTES HAVE BEEN READ. THIS WORKS CORRECT ON THE ASIC INTERFACE BUT NOT ON THE 12040 MUX.

Cause:
WITH THE MUX INTERFACE DRIVER (IDM00) A <CR><LF> MUST BE ENTERED TO TERMINATE THE READ.

Fix information:
The problem was fixed @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200003475 Product: 8 CHANNEL MUX-A MEF 12792A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
Escape sequences intermittant fail on MUX w. ENQ/ACK

Fix information:
Will be fixed on A.85.

KPR #: 2200018226 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: DDV05 MUX-8 CHANNEL

One-line description:
DDV05 doesn't turn off echo using :CN33 and :CN37

KPR #: 2200021295 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL DVM00

One-line description:
MUX type-ahead terminal hang

Fix information:
Will be fixed on A.85.

KPR #: 2200022053 Product: 8 CHANNEL MUX-A MEF 12792A 00.00

Keywords: MUX-8 CHANNEL DDV05 DDV12

One-line description:
MUX PORT HANGS WHEN DRIVER TYPE SWITCHED FROM DDV12 TO DDV05

Problem:
Mux port hangs when driver type switched from DDV12 to DDV05. There is no problem when switching from DDV05 to DDV12.

After the mux hangs up it can usually be cleared by running accts and shutting down the mux port lu. However, sometimes it is necessary to reboot.

Temporary solution:
This problem only happens when the port in question is at 1200 baud. Also, doing a restart (break mode command 'RS') also cleared the problem.
This problem has also been seen at 2400 baud.

Fix information:
To be fixed on A.85.

KPR #: 2200024430 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL TIMEOUT

One-line description:
Multiplexor driver does not set timeout bit if no echo

Fix information:
Fixed at C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200025429 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL

One-line description:
Aborting I/O and reissuing I/O causes hang with 2,EXEC

Problem:
MUX initialized as follows:
```
   :CN,LU,30B,15233xB
   :CN,LU,33B,23203B
   :CN,LU,37B,121400B
```
where x is the port number.
If the program has I/O pending on the LU, do an OF,prog,1. Next I/O request to the LU goes into state 2,EXEC as shown by a WHZAT printout and the port becomes useless until re-boot. If the EQT is downed and then up'ed, RTE-IVB goes away with interrupts off.
If you go to the s-register and turn interrupts back on the system returns back on the system returns intact, you may also get a random program abort.
RTE-6/VM did not crash doing the above sequence of events. It seems to work fine using only DVM00, wheras DDV05 fails.

Fix information:
Fixed in revision A.83.

Signed off 07/05/84 in release 23.01

KPR #: 2200028191 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL

One-line description:
Multiple interrupts on the same port can hang the port

Fix information:
Will be fixed on A.85.

KPR #: 2200028209 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL CRASH

One-line description:
MUX driver can crash the system when scheduling a nonexistent program

Fix information:
Will be fixed on A.85.

KPR #: 2200031013 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL

One-line description:
Wrong Belden Cable Number in Manual

Fix information:

The problem of Belden cable identification is being fixed by Roseville Networks Division.

KPR #: 2200031583 Product: 8 CHANNEL MUX-A MEF 12792A .

Keywords: MUX-8 CHANNEL

One-line description:
ENQ/ACK protocol problem

Problem:
The driver has an ENQ/ACK protocol problem. If the device takes a while to do something (e.g. hardware area fill on graphics terminal), the interface will send it multiple ENQ's. In response, the device will send back multiple ACK's. However the interface only expects back one ACK in this case, and the second ACK is interpreted as unsolicited, causing the driver to put the device into break mode.

Fix information:
This will be fixed at A.85 with a firmware change.

KPR #: 2200052480 Product: 8 CHANNEL MUX-A MEF 12792A 20.32

Keywords: DDV12 MUX-8 CHANNEL

One-line description:
DDV12 IGNORES RECORD SEPARATORS IN FORTRAN FORMAT STATEMENT

Problem:
Imbeded record seperators in FORTRAN format statements are ignored by DDV12. For example:
```
          WRITE(2,6)
     2    FORMAT(" SKIP TWO",//," SKIPED TWO")
```
The above does not insert two lines between the text lines when printed on a DDV12 device.

Fix information:
To be fixed on A.85.

KPR #: 2200052746 Product: 8 CHANNEL MUX-A MEF 12792A 20.26

Keywords: MUX-8 CHANNEL DOCUMENTATION ERRORS

One-line description:
Manual not explicit enough about need for DCPC

Fix information:
When the 8 Channel multiplexer is configured into an M/E/F computer or

a 12979 I/O EXTENDER, DCPC capability must be installed. Typically this is the default in the case of the computer, but a DCPC controller is a separate product that must be ordered as an add-on to an I/O extender. The MUX manuals need to be very explicit on the need for DCPC to be installed.

Explanatory information will be added to the manual by Roseville Networks Division when the card is upgraded to a 12792C.

KPR #: 2200055376 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: DDV12 MUX-8 CHANNEL

One-line description:
2601 PRINTER HANGS ON 8 CHANNEL MUX

Problem:
ABORTING AN UNBUFFERED REQUEST TO A DEVICE CONNECTED ON THE MULTIPLEXER HANGS THE PORT.

Fix information:
To be fixed on A.85.

KPR #: 2200055798 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: DVM00 MUX-8 CHANNEL TIMEOUT

One-line description:
DVM00 INCORRECTLY PROCESSES SYSTEM ABORT REQUESTS

Problem:
DVM00 WAITS FOR DCPC TIME-OUT BY SETTING ITS EQT TIME-OUT TO BE REENTERED LATER. THE SYSTEM RESETS THE TIME-OUT TO 1 SEC UPON DRIVER'S CONTINUATION EXIT AND WILL NOT REENTER THE DRIVER UPON TIME-OUT.

Cause:
THE SYSTEM ISSUES A "CLC <SC>" ON THE MUX CARD AFTER 1 SECOND.

Temporary solution:
BUFFER THE EQT.

Fix information:
Fixed A.83

Signed off 07/05/84 in release 23.01

KPR #: 2200056549 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: TIMEOUT

One-line description:
Timeouts handled incorrectly when using FORTRAN with the mux

Problem:
All FORTRAN programs prior to revision 2140 handling reads on the 12792A

mux were not aborted on timeout. When using revision 2140, EOF runtime errors are generated on timeout. DVR05 does not have this problem. The mux sets EQT word 5, bit 7 (EOF) on timeout. However, DVR05 sets bit 11 EQT word 4 (timeout).

Temporary solution:
Set the NO ABORT bit in EXEC calls to avoid the problem. For FORTRAN read/writes, use pre-2140 $mlib.

Fix information:
The timeout bit has been redefined to bit 0. DVA05 and DVR05 will be changed to use this definition.
The mux driver will be changed at A.85. DVA05/DVR05 will be changed at a later date.

Signed off 07/05/84 in release 23.40

KPR #: 2200056614 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: DVM00 MUX-8 CHANNEL

One-line description:
STATUS NOT UPDATED IN EOT WITH 8 CHANNEL MUX

Problem:
PAGE 2-6 OF THE MULTIPLEXOR USER'S MANUAL DESCRIBES CNTRL/D AS SETTING EOT IN THE STATUS WORD OF THE EQT (BIT 5). THIS WORKS IF BIT 8 (THE ECHO BIT) IS SET IN ICNWD, BUT DOES NOT IF BIT 8 IS CLEAR. TESTING WAS DONE WITH AND WITHOUT A DEVICE DRIVER ATTACHED TO THE PORT. WITH NO DEVICE DRIVER, BIT 5 WAS NEVER SET.

Fix information:
Already fixed in C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200056622 Product: 8 CHANNEL MUX-A MEF 12792A 22.08

Keywords: DVM00 MUX-8 CHANNEL ECHO
TYPE-AHEAD

One-line description:
VARIOUS 8-CHANNEL MUX PROBLEMS

Problem:
THE FOLLOWING PROBLEMS HAVE BEEN ENCOUNTERED WITH THE 12792 MULTIPLEXOR.
(1) TYPE-AHEAD DATA IS ECHOED ON THE TERMINAL SCREEN AS THE CHARACTERS ARE TYPED, RATHER THAN AS THEY ARE RECEIVED BY THE PROGRAM. IF OUTPUT OCCURS SIMULTANEOUSLY, IT IS VERY DIFFICULT TO SEE WHAT HAS BEEN TYPED.
(2) A STATUS REQUEST (CN,LU,21) DESTROYS TYPE-AHEAD DATA.
(3) IF A CONTROL FUNCTION 27B IS USED TO ALTER THE SCHEDULED PROGRAM ADDRESS, AND THIS ADDRESS IS NOT AN ID-SEGMENT ADDRESS, THEN THE SYSTEM WILL CRASH WITH A HLT 2 AS SOON

AS SCHEDULING IS ATTEMPTED. NO CHECKING IS DONE BY THE DRIVER OR $LIST.

(4) IF A TERMINAL IS OFF AND A PROGRAM ATTEMPTS TO DO OUTPUT TO IT, THE PROGRAM MAY HANG INDEFINITELY, BECAUSE THE DRIVER (DDV05 OR DDV12) HAS NO ENQ/ACK COUNTER. IF THE PROGRAM IS LGOFF, THEN THE ACCOUNTS SYSTEM WILL GRADUALLY HANG.

Fix information:
To be fixed on A.85.

KPR #: 2200057539 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: TIMEOUT MUX-8 CHANNEL

One-line description:
MUX TIMEOUTS CAN DOUBLE IN LENGTH

Problem:
WHEN DOING BLOCK MODE FORMATTED READS, IF THE OPERATOR MISSES ENTERING THE DATA BEFORE THE TIMEOUT, HE MUST WAIT AFTER PRESSING ENTER FOR THE NEXT TIMEOUT PERIOD. THIS CAN RESULT IN DOUBLING THE TIMEOUT PERIOD.

Fix information:
To be fixed on A.85.

KPR #: 2200057638 Product: 8 CHANNEL MUX-A MEF 12792A 23.01

Keywords: DVM00 MUX-8 CHANNEL TYPE-AHEAD

One-line description:
MUX CAN HANG IN TYPE AHEAD MODE

Problem:
THE MUX DRIVER CAN SCHEDULE A PROGRAM ON INTERRUPT. IF THE PROGRAM TO SCHEDULE IS BUSY, THE DRIVER WILL CONTINUE ON AND ASSUME THE SCHEDULE WAS SUCCESSFUL. IF THIS HAPPENS IN TYPE-AHEAD MODE, THE BUFFER ON THE MUX WILL BE LEFT FULL AND NO FURTHER INTERRUPTS WILL BE PASSED THROUGH, LEAVING THE MUX IN A HUNG STATE.
THE PORT CAN BE UNHUNG WITH A CN,LU,26B TO FLUSH THE TYPE-AHEAD BUFFER.

Fix information:
To be fixed on A.85.

KPR #: 2200057711 Product: 8 CHANNEL MUX-A MEF 12792A 21.40

Keywords: DDV12 MUX-8 CHANNEL

One-line description:
ENQ/ACK Ignored by 12792 mux - lines lost on 2631 printer

Problem:
THE CONFIGURATION UNDER TEST INCLUDED A 12792A MUX BOARD INITIALIZED AT 600, 1200, OR 9600 BAUD WITH THE ENQ/ACK

ENABLED ON ANY CHANNEL TO A 2631B LINE PRINTER. A 1640A DATA ANALYZER WAS PLACED BETWEEN THE MUX PORT AND THE 2631B IN PASSIVE MODE. IT WAS OBSERVED BY THE 1640A THAT WHEN THE LINE PRINTER WAS PLACED OFF LINE (CONSEQUENTLY NO ACK BACK TO THE INTERFACE) THAT THE 12792A WOULD PRODUCE AN ENQ PERIODICALLY (AT APPROXIMATELY 1 TO 2 SECOND INTERVALS) AT WHICH TIME A LINE OF OUTPUT WOULD BE LOST WITHIN THE DRIVER. THE LONGER THE LINE PRINTER WAS LEFT OFF LINE, THE MORE LINES LOST. IRONICALLY, HOWEVER, THE LOST LINES WERE THOSE BUFFERED BEHIND THE LINE WHICH WAS FIRST HELD WAITING FOR AN ACK FROM THE PRINTER. THIS "FIRST HELD LINE" WOULD ALWAYS PRINT FLAWLESSLY. ADDITIONAL INFORMATION INCLUDES THAT THE EQT WAS BUFFERED OR UNBUFFERED WITH SIMILAR RESULTS AND THAT ZERO OR NON-ZERO EQT TIMEOUT VALUES NET SIMILAR RESULTS.

Fix information:
To be fixed in the firmware at A.85.

KPR #: 5000003574 Product: 8 CHANNEL MUX-A MEF 12792A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
Mux can hang if unsolicitied interrupt collides w/ read/write request

Fix information:
To be fixed A.85

KPR #: 2200006635 Product: 8 CHANNEL MUX-B L/A 12040B 23.01

Keywords: MUX-8 CHANNEL

One-line description:
IDM00 and 12040B (8ch MUX) can hang up.

Problem:
The 12040B firmware can send a Katakana data word to IDM00 instead of a status word. Bit 15 of a Katakana data word is "1", which IDM00 interprets as an error status, causing some terminals to hang. This problem occurs only in the case where an operator enters more characters than the number specified in the read request.

Fix information:
To be fixed in the A.85 firmware.

KPR #: 2200011999 Product: 8 CHANNEL MUX-B L/A 12040B 23.01

Keywords: MUX-8 CHANNEL

One-line description:
Problems with rewiring of mux hood

Temporary solution:

The Multiplexer Installation Manual (12040-90020) is written by Roseville Networks Division. Communication with them indicates that the problem of Data Transmission Rate Wiring was fixed in the last update.

KPR #: 2200001206 Product: 8 CHANNEL MUX-B MEF 12792B 21.40

Keywords: MUX-8 CHANNEL TIMEOUT ECHO

One-line description:
Echo off on 8 channel MUX gives problems

Fix information:
Fixed at C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200005330 Product: 8 CHANNEL MUX-B MEF 12792B 23.01

Keywords: MUX-8 CHANNEL

One-line description:
FMGR 067 when using odd parity on MUX

Problem:
A program which does an I/O request bypassing the device driver is executed on an A600 with the 12040B multiplexor and a 2645A terminal on a mux port configured for 7 bits per character, 1 stop bit, odd parity, no ENQ/ACK and 9600 baud. After the program completes its execution, everything is find until the break key is hit. From then on, although the port does not hang and the primary program is ready with a read pending, characters requiring the parity bit are not recognized, so not much can be accomplished. For example, a "CL" works, but a "DL" gives a FMGR 067.

Temporary solution:
WORKAROUND: The problem can be resolved by using even or no parity.

Fix information:
Fix date unknown.

KPR #: 2200031955 Product: 8 CHANNEL MUX-B MEF 12792B

Keywords: MUX-8 CHANNEL

One-line description:
12792B Mux Config Guide Errors

Problem:
Incomplete documentation in the 12792B MUX configuration guide. In page 2-4, it says XON/XOFF is not supported. In page 2-5, the list of terminals compatible with DDV05 is incomplete.

Fix information:
Change made to page 2-4 to indicate XON/XOFF is supported.
Page 2-5, add the following terminals:

2622A	2628A
2623A	2635B
2624B	2382A
2625A	2627A

To be fixed at A.85.

KPR #: 5000003319 Product: 8 CHANNEL MUX-B MEF 12792B 23.01

Keywords: MODEM MUX-8 CHANNEL

One-line description:
System Modem one character per port status should be available

Problem:
Working with a mux attached to a system modem (product 37214A), the RTE user cannot obtain modem status return except by queueing an I/O request if port is already busy. This can result in an I/O suspend of a monitor program until pending I/O is completed. Depending on the timeout value this could be a long to indefinite period.

Fix information:
This problem is to be fixed at A.85.

KPR #: 2200049221 Product: ATS SYSTEM 9580A 20.01

Keywords: ATS ASCII

One-line description:
ASCII DATA IN ALLFL MAY NOT BE READ AS EXPECTED

Problem:
THE ASCII FIELD THAT A USER READS FROM A FILE WITH THE PROGRAM ALLOC WILL NOT BE READ AS INTENDED, UNLESS THE CHARACTER COUNT TAKES THREE COLUMNS. IF THE SPECIFIED NUMBER OF CHARACTERS IS BETWEEN 1 AND 99 (AND IS NOT PADDED WITH BLANKS) ONLY A PORTION OF THE ASCII DATA WILL BE READ INTO SAM.

Cause:
THE FILE (USUALLY CALLED ALLFL) THAT IS CREATED TO STORE INSTRUMENT CONFIGURATION DATA, MAY CONTAIN ASCII DATA. THE FORMAT THAT THIS DATA MUST BE IN, ACCORDING TO THE MTIS-C MANUAL IS:
A, NO. OF CHARACTERS , [OR SPACE] ASCII DATA
THE SUBROUTINE THAT READS AND PARSES THIS LINE OF INFORMATION EXPECTS THE FIELD WHICH SPECIFIES THE NUMBER OF CHARACTERS TO BE THREE CHARACTERS IN LENGTH. HENCE IT IS EXPECTED THAT THE ASCII DATA TO BE READ BEGINS IN COLUMN 7. IF THIS IS NOT THE CASE, ONE OR TWO CHARACTERS WILL BE LOST.

Temporary solution:
AS A WORK-AROUND, BE SURE THAT ASCII DATA ALWAYS BEGINS IN COLUMN 7.

Fix information:
Fix date unknown.

KPR #: 2200050823 Product: ATS SYSTEM 9580A 20.01

Keywords: ATS

One-line description:
DCVOT DEVICE SUBROUTINE SCALES THE USER PROGRAMMED VOLTAGE

Problem:
THE DEVICE SUBROUTINE FOR THE 6825 POWER SUPPLY/ AMPLIFIER PROGRAMS THE INSTRUMENT TO ONLY 10 VOLTS WHEN 10.24 VOLTS ARE REQUESTED.
UNTIL THE PROBLEM IS RESOLVED THE USER MUST BE AWARE OF THE SCALING FACTOR WHEN PROGRAMMING THE SUPPLIES.

Cause:
THE 6825, 6826, AND 6827 POWER SUPPLY/AMPLIFIERS ARE PROGRAMMED BY A NETWORK OF 11 RESISTORS. THE 11 RESISTORS CAN BE ENABLED AND DISABLED IN 1024 POSSIBLE PATTERNS, AND EACH PATTERN REPRESENTS A UNIQUE VOLTAGE.
CURRENTLY THE DEVICE SUBROUTINE ALLOWS PROGRAMMING OF THE POWER SUPPLY TO A MAXIMIM OF 10.0 VOLTS.

IN THIS CONFIGURATION EACH "BIT" IN THE PATTERN
OF 11 RESISTORS REPRESENTS 10.0/1024 VOLTS.
(APPROXIMATELY .0098 VOLTS.)
THE PROGRAMMING SCHEME IN THE MANUAL FOR THE POWER
SUPPLY RECOMMENDS THAT EACH BIT REPRESENT .01 VOLT.
WHEN THIS IS THE CASE, THE POWER SUPPLY GETS
PROGRAMMED TO 10.24 VOLTS WHEN ALL OF THE 11 RESISTORS
ARE ENABLED.

Fix information:
Fix date unknown.

KPR #: 2200050831 Product: ATS SYSTEM 9580A 20.01

Keywords: ATS

One-line description:
DCAV DEVICE SUBROUTINE SCALES THE USER PROGRAMMED VOLTAGE GAIN

Problem:
THE DEVICE SUBROUTINE FOR THE 6825 POWER SUPPLY/
AMPLIFIER PROGRAMS THE INSTRUMENT TO A DIFFERENT GAIN
THAN THAT SPECIFIED BY THE USER IN THE SUBROUTINE CALL.
UNTIL THE PROBLEM IS RESOLVED THE USER MUST BE AWARE OF
THE SCALING FACTOR WHEN PROGRAMMING THE DEVICE.

Cause:
THE 6825, 6826, AND 6827 POWER SUPPLY/AMPLIFIERS ARE
PROGRAMMED BY A NETWORK OF RESISTORS. THE
RESISTORS CAN BE ENABLED AND DISABLED IN MANY POSSIBLE
PATTERNS, AND EACH PATTERN REPRESENTS A UNIQUE
GAIN.
UNFORTUNATELY THE NUMBER OF COMBINATIONS OF
OF RESISTORS DOES NOT DIVIDE EVENLY INTO THE
MAXIMUM RANGE FOR THE GAIN. THE DEVICE SUBROUTINE
CONTAINS A SCALING FACTOR WHICH ATTEMPTS TO USE
ALL OF THE POSSIBLE RESISTOR COMBINATIONS WITHOUT
EXCEEDING THE LIMITS OF THE AMPLIFIER. THE PROBLEM
IS THAT USERS MUST THEN BE AWARE OF THIS SCALING
FACTOR WHEN WRITING PROGRAMS, AND PERHAPS ADJUST
THEIR REQUESTS BY THIS FACTOR.
A FRIENDLIER USER INTERFACE WOULD NOT USE ALL OF THE
POSSIBLE RESISTOR COMBINATIONS, BUT ALSO WOULD NOT
SCALE THE PROGRAMMED PARAMETERS.

Fix information:
Fix date unknown.

KPR #: 2200052548 Product: ATS SYSTEM 9580A 20.01

Keywords: ATS SRQ

One-line description:
HP 8165A ASSERTS SRQ AND ENTRY POINTS ARE MODIFIED USING FTN

Problem:
1 - THE 8165A INTERMITTENLY SHOWS THE FREQUENCY NOT

PROGRAMMED AND ASSERTS SRQ IN THE INSTRUMENT.
THE INSTRUMENT WILL RETURN TO THE PREVIOUS
PROGRAMMED VALUE, AND NOT BE PROGRAMMED TO THE NEW
VALUE BELOW 1 HERTZ.
2 - THE ENTRY POINTS TO THE DEVICE SUBROUTINE ARE EQUATED
TO ANOTHER VALUE IN THE PROGRAM.
THE HP8165A DOES NOT RESPOND TO A NEW FREQUENCY
BELOW 1 HERTZ WHEN THE OFFSET IS PROGRAMMED
TO A VALUE GREATER THAN (3) DIGITS (E.G.+- .294 VOLTS).
THE 8165A WILL PROGRAM THE OFFSET AND AMPLITUDE
CORRECTLY, THE ASCII STRING FOR FREQUENCY
IS LOADED WITH ZEROS AND THE INSTRUMENT
WILL DETECT A FREQUENCY ERROR AND RETURNS A
STATUS ERROR AND ASSERTS SRQ. PREVIOUS PROGRAMMED
FREQUENCY VALUE WILL BE REPROGRAMMED BY THE FIRMWARE
IN THE INSTRUMENT. (E.G. 100KHZ HAS BEEN PROGRAMMED
AND NOW A DIFFERENT FREQUENCY IS PROGRAMMED TO .2 HERTZ
THE INSTRUMENT ASSERTS SRQ, AND RETURNS TO 100KHZ).

Cause:
THE DEVICE SUBROUTINE USES A 3 WORD INTERGER ARRAY
TO STORE THE CONVERSION OF A FLOATING POINT TO ASCII
CONVERSION (F2A) . AS A RESULT THE FLOATING POINT NUMBER
REQUIRES THE NEXT WORD AND THE DEVICE SUBROUTINE
WOULD TAKE THE ADDITIONAL WORD IN THE NEXT ARRAY THAT
THE DEVICE SUBROUTINE USES FOR FREQUENCY CONVERSION.

Temporary solution:
CHANGE THE IAS(3) DIMENSION STATEMENT FROM 3 WORDS
TO (8). THIS WILL GIVE ENOUGH ROOM TO ALLOW ANY SIZE
FLOATING POINT NUMBER. CHANGE THE SUBROUTINE XGNSU
FREQ,AMP,OFSET TO ZFREQ,ZAMP,ZOFSET. AND ADD A
THE FOLLOWING LINES AT LINE 215:
FREQ=ZFREQ
AMP=ZAMP
OFSET=ZOFSET

Fix information:
Fix date unknown.

KPR #: 2200056739 Product: ATS SYSTEM 9580A 18.40

Keywords: ATS

One-line description:
SUBROUTINE RFSOM DOES NOT PROGRAM DESIRED FM MODULATION

Problem:
THE DEVISE SUBROUTINE RFOSM PROGRAMS THE 8660A SIGNAL GENERATOR
TO HALF THE DESIRED FM MODULATION WHEN A 86602B RF SECTION IS
USED. THIS DEVICE SUBROUTINE NORMALLY HANDLES THE HP86603A
RF SECTION.
THE PROBLEM ONLY OCCURS WHEN IMODE =1 TO 3.

Fix information:
Fix date unknown.

KPR #: 2200000372 Product: BASIC/1000C 92857A 23.01

One-line description:
Variables accessed before declaration cause compiler internal errors

Problem:
IF MANY VARIABLES ARE ACCESSED IN A PROGRAM UNIT BEFORE THEIR DECLARATIONS, THE BASIC COMPILER WILL REPORT NULL-INDEX'S AND ABORT.

Temporary solution:
MOVE THE DECLARATIONS TO BE BEFORE THE VARIABLES ARE ACCESSED (BY LINE NUMBER) IN THE PROGRAM.

Fix information:
To be fixed in revision A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200000448 Product: BASIC/1000C 92857A 23.01

One-line description:
STOP in a function does not work in the compiler

Problem:
THE FOLLOWING PROGRAM DOES NOT EXECUTE THE STOP STATEMENT IN LINE 60 IN THE BASIC COMPILER.

```
  10 A=FNB
  20 END
 30 DEF FNB
 40 GOTO 60
 50 RETURN 1
 60 STOP
 70 FNEND
```

Fix information:
To be fixed in revision A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200000612 Product: BASIC/1000C 92857A 23.01

One-line description:
Display device does not default in a subprogram

Problem:
THIS IS ONLY A PROBLEM WHEN THERE IS AN ERROR CONCERNING THE DISPLAY DEVICE. ONCE THE DISPLAY DEVICE IS CORRECTLY SET UP, NO PROBLEM OCCURS. THIS OCCURS IN THE COMPILER ONLY.

Temporary solution:
WHEN AN ERROR OCCURS IN INITIALIZING THE DISPLAY DEVICE, DO A "DISPLAY IS 1" BEFORE ATTEMPTING FURTHER IO.

Fix information:
To be fixed at revision A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200001420 Product: BASIC/1000C 92857A 23.01

One-line description:
Duplicate EXT's in compiled code not accepted by MLLDR/LOADR

Problem:
Program units which contain calls to routines that are aliased to the same name are not accepted by LOADR or MLLDR (IL-REL ERROR) for example:

```
    10 $SUB X (I),ENT="ABC"
    20 $SUB Y (C),ENT="ABC"
    30 CALL X(5)
    40 CALL Y("A")
    50 END
```

This program generates two ext declarations for ABC, which LOADR/MLLDR doesn't like

Temporary solution:
Write interface routines that call the desired routine:

```
10 CALL X (5)     40 SUB X (INTEGER A)          70 SUB Y (A$)
20 CALL Y ("A")   45 $SUB ABCI (I) ENT="ABC"    80 $SUB ABCZ (C),ENT="ABC"
30 END            50 CALL ABCI (A)              90 CALL ABCZ (A$)
```

Fix information:
To be fixed at revision A.84 (2401).

Signed off 09/11/84 in release 24.01

KPR #: 2200002089 Product: BASIC/1000C 92857A 23.01

One-line description:
Multiple string assignments in compiler generates compiler bug

Problem:
Statements of the form:

```
   A$ = B$ = C$(1)
```

where the right-most variable is a string array element causes a Compiler Bug 1612.

Temporary solution:
Change the above statement to the following:

```
   D$ = C$(1)
   A$ = B$ = D$
```

Fix information:
To be fixed in Revision A.84 (2401).

Signed off 09/11/84 in release 24.01

KPR #: 2200005827 Product: BASIC/1000C 92857A 23.26

Keywords: BASIC/1000C

One-line description:
Error in ON ERROR call.

Fix information:

Fixed A.84

Signed off 09/11/84 in release 24.01

KPR #: 2200007211 Product: BASIC/1000C 92857A 23.26

Keywords: BASIC/1000C

One-line description:
EMA / NON-EMA parameter passing problem.

Fix information:
Fixed A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200007237 Product: BASIC/1000C 92857A 23.26

Keywords: BASIC/1000C

One-line description:
Specification of an LU with a secondary address in an ASSIGN blows up.

Fix information:
fixed A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200008516 Product: BASIC/1000C 92857A 23.26

Keywords: BASIC/1000C

One-line description:
Use of SUBEXIT outside of a SUBROUTINE wil cause VM or DM.

Fix information:
fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200009316 Product: BASIC/1000C 92857A 23.26

Keywords: HP-IB

One-line description:
CBASIC compilar rejects a HPIB call with error 73. Interpritor works.

Signed off 09/11/84 in release 24.01

KPR #: 2200031476 Product: BASIC/1000C 92857A

Keywords: MP VIOLATION

One-line description:
BASIC/1000C interpreter MP'S in edit mode

Problem:

If the first line in a BASIC program is replaced with a SUB statement (a syntactically illegal action) the BASIC editor aborts with an MP.

Temporary solution:
Since this action is illegal, avoid it at all costs. Also, use the SAVE or RESAVE command occaisionally while editing so that information will not be lost if this occurs by accident.

Fix information:
FIXED IN REVISION B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057901 Product: BASIC/1000C 92857A 23.01

One-line description:
SUBPROGRAM WITH NAME OF FMP ROUTINE CAUSES ERRORS

Problem:
IF A SUBPROGRAM HAS THE SAME NAME AS AN FMP ROUTINE (FOR EXAMPLE, OPEN), ERRONEOUS RESULTS WILL OCCUR WHEN THE PROGRAM IS EXECUTED.

Fix information:
To be fixed at revision B.83.

KPR #: 2200058370 Product: BASIC/1000C 92857A 23.01

One-line description:
USE OF PRTN WITH COMPILED BASIC PROGRAM WILL NOT WORK PROPERLY

Problem:
A COMPILED BASIC/1000C PROGRAM USES PRTN TO SET UP ERROR INFORMATION. THEREFORE, A USER'S CALL TO PRTN CANNOT BE GUARANTEED TO WORK CORRECTLY. THIS WILL BE CHANGED SO THAT THE COMPILED BASIC PROGRAM WILL ONLY SET UP THE PRTN PARAMETERS IF A RUN-TIME ERROR HAS OCCURED.

Fix information:
To be fixed at revision B.83.

Signed off 10/04/83 in release 23.26

KPR #: 5000006965 Product: BASIC/1000C 92857A 23.01

Keywords: BASIC/1000C

One-line description:
PLIST uses first character of output for carriage control.

Fix information:
Fixed A.84.

Signed off 09/11/84 in release 24.01

KPR #: 5000048504 Product: BASIC/1000C 92857A 24.01

Keywords: RBEX

One-line description:
Runtime error 173 when trying to schedule RBEX at A.84

Problem:
Running of the BASIC interprter on a "small" A-series (i.e. only 512 KB memory) will display an ERROR (173) PROGRAM COULD NOT BE SCHEDULED. This error is caused when BASIC schedules RBEX to execute a basic program and RBEX can not fit into memory. The factory supplied LINK command file INSTALL_A_BAS.CMD will load RBEX with a working set size of 169 pages.

Temporary solution:
Link RBEX with a smaller working set.
The factory supplied file called RBX_A.LOD should be changed from WS,169 to WS,XX. Where XX is less than 169 (try 100 and keep decreasing until the 173 error no longer occurs. RBEX must be re-linked since the ID segment is not checked, therefore there is no need to RP RBEX.

KPR #: 2200054031 Product: BASIC/1000D 92101A 19.26

One-line description:
BASIC DOES NOT HANDLE 8 BIT CODE

Problem:
BASIC/1000D CANNOT INPUT ,OUTPUT AND MANIPUTLATE 8-BIT CODE CHARCTERS.

Cause:
DURING INTERPRETATION AND EXECUTION PHASE, BASIC/1000D FORCES THE 8TH BIT OF BYTES IN A STRING TO BE ZERO. IT IS DESIRED NOT TO FORCE THE 8TH BIT OF THE 8-BIT CHARACTER TO BE ZERO.
FOR MORE DETAIL, PLEASE REFER TO "KATAKANA HANDLING CAPABILITY TEST OF THE HP 1000 SYSTEM AND 2645J YHP KATAKAN TERMINAL" DEC. 1, 1980. 11-1 TO 11- 8

Fix information:
Fix date unknown.

KPR #: 2200054130 Product: BASIC/1000D 92101A 21.26

Keywords: DM VIOLATION

One-line description:
BASIC DM'S WHEN TRYING TO MOVE SUBSTRINGS FORWARD

Problem:
WHEN MOVING STRINGS FORWARD IN PLACE CAUSES DM VIOLATIONS AND BASIC ABORTS. DOES THE SAME THING WHETHER USING THE ' LEN' FUNCTION OR NOT.

```
10  DIM X$[80],A$[80]
20  LET X$="ABCDE"
30  PRINT X$                    -----:
40  LET A$=X$[1,LEN(X$)]             :WORKS O.K.
50  PRINT A$                         :
55  PAUSE                            :
60  LET X$[2,LEN(X$)+1]=A$      -----:
65  PRINT X$
80  PRINT "SECOND FORM"              --:
90  LET X$="FGHIJ"                     :
100 PRINT X$                           : SEE NOTE
105 PAUSE (105)                        :  (1)
110 LET X$[2,LEN(X$)+1]=X$[1,LEN(X$)]  :
120 PRINT X$                           :
130 END                               -----:
  1)  LINE 110  DM VIOL  100375
                DM INST  162507
                ABE 177777   72636   1
                XYO 160030   72137   0
  2)  BAS01 ABORTES WITH A DM VIOLATION 20411
```

Temporary solution:
PLACE SUBSTRING TO BE MOVED INTO ANOTHER STRING VARIABLE,THEN MOVE THIS INTO DESIRED LOCATION IN ORIGINAL STRING.

KPR #: 2200056903 Product: BASIC/1000D 92101A 21.40

One-line description:
UNDER SESSION RTETG GENERATES ILLEGAL LU IN TRANSFER FILE

Problem:
RUNNING THE RTETG GENERATOR CREATES AN ILLEGAL LIST LU IN THE LOADER COMMAND FILE. LOADER ABORTS WITH AN ILLEGAL PARAMETER.

Temporary solution:
AS A WORK AROUND EDIT THE TRANSFER FILE WITH THE CORRECT SESSION LU OF THE TERMINAL.

Fix information:
Fix date unknown.

KPR #: 2200057448 Product: BASIC/1000D 92101A 22.13

One-line description:
EMBEDDED BLANKS STRIPPED WHEN IN SIMULATE MODE

Problem:
WHEN BASIC IS IN SIMULATE MODE, KEYBOARD INPUT STRIPS EMBEDDED BLANKS IN STRING. THE FOLLOWING PROGRAM DEMONSTRATES THE PROBLEM:

```
10 DIM A$(80),B$(80),C$(80)
20 CALL DCODE(A$,B$,C$)
30 PRINT A$
40 END
IN SIMULATE MODE THE FOLLOWING HAPPENS:
*20 CALL DCODE(A$,B$,C$)
>> SET A$ = "A B C D"
>> RESUME
ABCD
```

Fix information:
Fix date unknown.

KPR #: 2200057455 Product: BASIC/1000D 92101A 22.13

Keywords: COMMON

One-line description:
BASIC GETS 'DCB NOT OPEN' ERROR WHEN WRITING FROM COMMON

Problem:
RANDOM 'DCB OPEN' MESSAGE OCCURING ON STOP OR END STATEMENTS IN PROGRAMS CHAINED WITH COMMON AND FILES STATEMENTS. THE FOLLOWING BASIC PROGRAM DEMONSTRATES THE PROBLEM:

```
30 COM B(126)
110 FILES *,*,*,0,*,0,D9000
115 PRINT "ENTER NUMBER OF VALUES TO SAVE <=10";
120 INPUT N
130 LET B[1]=N
```



```
140 PRINT #7;B(1)
150 FOR P1=2 TO N
160 LET B(P1)=B(P1-1)+100
170 PRINT #7;B(P1)
180 NEXT P1
300 STOP
400 END
```

RUNNING THE ABOVE PROGRAM A 'DCB NOT OPEN' IN LINE 300 WILL BE REPORTED BY BASIC.

Fix information:
Fix date unknown.

KPR #: 2200008177 Product: DATASAFE/1000 91745A 23.01

Keywords: DATASAFE

One-line description:
DATASAFE can not run with IMAGE-II, PASCAL and BASIC/1000C

Problem:
DATASAFE can not run with IMAGE-II, PASCAL and BASIC/1000C, if the type 6 files on a paired lu.
The sympton is to have MP or/and DM violation errors.

Cause:
The DATASAFE pseudo driver DVI30 does not carry the bit which is used by XSIO call to determine the original user map is restored or not.

Temporary solution:
There is a patch avilable to fix this problem. Contact your account SE for the fix.

Fix information:
To be fixed at A.85.

KPR #: 2200030080 Product: DATASAFE/1000 91745A .

Keywords: DATASAFE VPAIR

One-line description:
VPAIR always reports verification to system console

Fix information:
To be fixed at A.85.

KPR #: 5000005322 Product: DATASAFE/1000 91745A 22.18

Keywords: DATASAFE

One-line description:
The program "LPAIR" will not print out disc LU's greater than 127.

Fix information:
To be fixed at A.85.

KPR #: 5000005355 Product: DATASAFE/1000 91745A 22.18

Keywords: DATASAFE

One-line description:
The program "VPAIR" will not verify disc LU's greater than 127.

Fix information:
To be fixed at A.85.

KPR #: 5000006643 Product: DATASAFE/1000 91745A 23.01

Keywords: MOUNT/DISMOUNT DATASAFE

One-line description:
misleading error message from VPAIR for unmounted pairtridge LU

Problem:
IF YOU RUN THE VPAIR PROGRAM, IT CAN GIVE THE FOLLOWING MESSAGE:

"/VPAIR: NOT A PAIRTRIDGE LU."

VPAIR WAS RUN AS FOLLOWS: :RU,VPAIR,24
WHERE LU 24 IS A PAIRTRIDGE LU, BUT WAS NOT MOUNTED TO THIS SESSION.

AFTER ENTERING :SL,24,24 VPAIR WORKS O.K.

Cause:
REFER TO SOURCE LISTING OF "VPAIR", LINE 34. (91745-16019 REV.2218)

VPAIR CALLS THE SUBROUTINE "LDTYP" TO CHECK THE LU ENTERED BY THE OPERATOR. VPAIR ASSUMES THAT THE DISC LU IS MOUNTED TO THIS SESSION. IF IT ISN'T, VPAIR PRINTS "/VPAIR: NOT A PARTRIDGE LU."

VPAIR SHOULD DO A FURTHER CHECK OF THE VARIABLE "IDNUM" TO SEE IF THE DISC LU IS MOUNTED TO THIS SESSION. IF IT ISN'T, PRINT:

"/VPAIR: PAIRTRIDGE LU NOT MOUNTED."

Fix information:
To be fixed at A.85.

KPR #: 5000006684 Product: DATASAFE/1000 91745A 23.01

Keywords: ALARM

One-line description:
ALARM can issue misleading error messages

Problem:
THE ALARM PROGRAM (91745-16005 REV.2218) CAN DISPLAY THE FOLLOWING MESSAGE:

"/ALARM: ALRMX SCHEDULE FAILURE: NO LOGFILE UPDATE/BROADCAST"

IF IT ENCOUNTERS ANY ERROR, WHETHER IT CONCERNS SCHEDULING OR NOT.

Cause:
REFER TO SOURCE LISTING OF ALARM (91745-16005 2218),
LINES 71,73,82,99, & 110.

THE ALARM PROGRAM HAS ONLY ONE ERROR MESSAGE:
"/ALARM: ALRMX SCHEDULE FAILURE: NO LOGFILE UPDATE/BROADCAST"

THIS MESSAGE CAN BE DISPLAYED 1. IF YOU RUN OUT OF S.A.M.
2. YOU RUN OUT OF CLASS NUMBERS. 3. ERROR ON A CLASS-GET CALL.

4. SCHEDULE FAILURE ON "ALRMX". 5. CLASS WRITE-READ ERROR.

Fix information:
To be fixed at A.85

KPR #: 5000006692 Product: DATASAFE/1000 91745A 23.01

One-line description:
ALRMX incorrectly reports local NODE in error message.

Fix information:
To be fixed at A.85.

KPR #: 5000006700 Product: DATASAFE/1000 91745A 23.01

One-line description:
ALRMX reports error messages against ALARM instead of ALRMX

Fix information:
To be fixed at A.85.

KPR #: 5000006767 Product: DATASAFE/1000 91745A 23.01

One-line description:
Coding error in LPAIR

Problem:
REFER TO THE SOURCE LISTING OF LPAIR (91745-16004 REV.2218).

LINE 333 IN THE SOURCE CODE IS :

```
  600 NNERR = 1
```

IT SHOULD BE :

```
  600 NMERR = 1
```

Fix information:
To be fixed at A.85.

KPR #: 5000006791 Product: DATASAFE/1000 91745A 23.01

Keywords: DS 1000

One-line description:
LPAIR reports local NODE as 0 if DS not initialized.

Fix information:
To be fixed at A.85.

KPR #: 5000006817 Product: DATASAFE/1000 91745A 23.01

Keywords: UTILITY

One-line description:
PDTBL unable to handle disc LU's greater than 127

Fix information:
To be fixed at A.85.

KPR #: 5000014654 Product: DATASAFE/1000 91745A 22.18

Keywords: DPAIR

One-line description:
DPAIR does not update the status of the logfile after a state change

Fix information:
To be fixed at A.85.
DPAIR will schedule LPAIR after an SD command.

KPR #: 5000014662 Product: DATASAFE/1000 91745A 22.18

Keywords: DPAIR

One-line description:
DPAIR issues 'input file open error' if not all parameters entered

Problem:
If DPAIR is loaded using the current PASCAL library, the runstring ':RU,DPAIR' no longer works, if loaded with a rev. 2140 PASCAL library, including DPAIR.

Temporary solution:
Workaround -- Furnish input file lu of 1 (to indicate a terminal) in the runstring, i.e. ':RU,DPAIR,1'.

Fix information:
To be fixed at A.85.

KPR #: 5000017350 Product: DATASAFE/1000 91745A 23.01

One-line description:
Datasafe incorrectly recovers down LU at reboot

Fix information:
Fixed at A.85.

KPR #: 5000017731 Product: DATASAFE/1000 91745A 00.00

Keywords: ALRMX

One-line description:
An uninitialized paired disc, if powered up, can cause boot problems.

Fix information:
To be fixed at A.85.
ALRMX will post the status of LU's 2 and 3 to disc. LPAIR will check both discs to see if they are valid.

KPR #: 2200057703 Product: DATASHARE/1000 91747A 23.01

Keywords: GEN ERROR

One-line description:
GEN ERROR 15 WHEN GENERATING A DATASHARE SYSTEM

Problem:
WHEN ATTEMPTING TO LOAD RPN MEMORY RESIDENT, A GENERATION ERROR 15 OCCURS (ILLEGAL REFERENCE TO A TYPE 7 MODULE BY A TYPE 6 OR 14 MODULE.

Cause:
THE PROBLEM IS IN %BMPG3 FOR DATASHARE (91747-12001). THE ROUTINE IDDUP IS TYPE 6 RATHER THAN TYPE 7.

Temporary solution:
DURING THE PARAMETER CHANGE PHASE IN THE GENERATION, CHANGE IDDUP TO TYPE 7 (IDDUP,7).

Fix information:
TO BE FIXED @ B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200058339 Product: DATASHARE/1000 91747A 23.01

Keywords: UNDEFINED EXTERNAL

One-line description:
UNDEFINED EXTERNALS WHEN LOADING DMALL AT REV 2301

Problem:
THREE UNDEFINED EXTERNALS ARE GENERATED WHEN LOADING THE DATASHARE/1000 PROGRAM DMALL AT REV. 2301. THEY CAN BE RESOLVED BY SEARCHING $RECAP. HOWEVER, THIS LIBRARY WAS DELETED FROM THE DATASHARE/1000 PRODUCT AT REV. 2301.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200000281 Product: DEBUG/1000 92860A 22.28

Keywords: SYMBOLIC DEBUGGER DEBUG

One-line description:
Symbolic debugger doesnot work with no abort return from EXEC calls

Fix information:
fixed at C.83

Signed off 09/07/84 in release 23.40

KPR #: 2200002782 Product: DEBUG/1000 92860A 22.28

Keywords: SYMBOLIC DEBUGGER

One-line description:
DEBUG will not work on 2640B terminals

Fix information:
It will be fixed @A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200002972 Product: DEBUG/1000 92860A 23.26

Keywords: DEBUG

One-line description:
DEBUG can't list source for some entry points in a large segmented prog.

Temporary solution:
The bug affects different entry points depending on how they are loaded into the '@' file. A workaround can be to move the specific entry point you want to debug further up in the load so that it gets placed earlier into the '@' file.

Fix information:
Fixed in C.83.

Signed off 09/07/84 in release 23.40

KPR #: 2200003574 Product: DEBUG/1000 92860A 23.26

Keywords: SYMBOLIC DEBUGGER DEBUG

One-line description:
DEBUG cannot handle SEGLD

Fix information:
Fixed at C.83

Signed off 09/07/84 in release 23.40

KPR #: 2200003806 Product: DEBUG/1000 92860A 22.26

Keywords: SYMBOLIC DEBUGGER DEBUG

One-line description:
Symbolic debugger doesnot pass through RMPAR parameters

Fix information:
Fixed at C.83

Signed off 09/07/84 in release 23.40

KPR #: 2200003939 Product: DEBUG/1000 92860A 23.01

Keywords: DEBUG

One-line description:
Debug doesn't display Real arrays (as characters) as expected.

Fix information:
Fixed at C.83.

Signed off 09/07/84 in release 23.40

KPR #: 2200004192 Product: DEBUG/1000 92860A 22.28

Keywords: DEBUG

One-line description:
DEBUG on RTE-A always renames the program.

Fix information:
It will be fixed @A.84.

KPR #: 2200004341 Product: DEBUG/1000 92860A 23.40

Keywords: DEBUG

One-line description:
DEBUG/1000 doesn't pass parameters correctly to user program

Signed off 09/11/84 in release 24.01

KPR #: 2200030056 Product: DEBUG/1000 92860A .

Keywords: SYMBOLIC DEBUGGER PARAMETERS DEBUG

One-line description:
DEBUG always changes first parameter to a '1'

Problem:
When scheduling DEBUG programmatically, the first parameter retrieved by RMPAR in the program being debugged is always '1', not the parameter that is passed in the runstring and RMPAR parameters to DEBUG.
Parameters passed to ICBC: 0,0,-1,0,0
Received by ICBC: 1,0,-1,0,0

Temporary solution:
Fix parameter on each entry into program.

Fix information:
Will be fixed in C.83

Signed off 09/07/84 in release 23.40

KPR #: 2200030106 Product: DEBUG/1000 92860A .

Keywords: SYMBOLIC DEBUGGER DEBUG

One-line description:
Debug memory protects when try to use Step T command

Problem:
Symbolic debugger memory protects when a user tries to use the step command with the number of lines parameter and the trace option set.

Fix information:
Will be fixed on C.83

Signed off 09/07/84 in release 23.40

KPR #: 2200030932 Product: DEBUG/1000 92860A .

Keywords: SYMBOLIC DEBUGGER DEBUG

One-line description:
Single step with Reloc statement

Problem:
Debug does not single step the following program instead it runs to completion.

```
NAM BUG,3
ENT BUG
EXT EXEC
RELOC COMMON
BSS 1
RELOC PROG
LDA =D5
STA NEXT
JSB EXEC
DEF *+2
DEF =D6
END BUG
```

Fix information:
Will be fixed in C.83

Signed off 09/07/84 in release 23.40

KPR #: 5000006346 Product: DEBUG/1000 92860A 23.26

Keywords: DEBUG CDS

One-line description:
DEBUG does not always single step correctly in CDS programs

Fix information:
It will fixed @A.84.

Signed off 09/11/84 in release 24.01

KPR #: 5000006353 Product: DEBUG/1000 92860A 23.26

Keywords: DEBUG

One-line description:
DEBUG memory locks code and data - code partition can still swap.

Problem:
When DEBUG program is run on CDS programs WHZAT shows that both the data and code partition are memory locked. However the code partition can be swapped out if another program needs the partition. When the program is swapped back in WHZAT shows that code partition is no longer memory locked.

Fix information:
Fix date unknown.

KPR #: 5000008540 Product: DEBUG/1000 92860A 00.00

Keywords: DEBUG

One-line description:
Bad histogram for subroutines.

Problem:
When using DEBUG/1000 in the overview mode (O) and using the histogram option on a subroutine (H sub) the information returned indicates that 100% of the time spent in the subroutine is spent on the first executable statement.

Fix information:
Fix date unknown.

Signed off 09/11/84 in release 24.01

KPR #: 5000009183 Product: DEBUG/1000 92860A 23.26

Keywords: DEBUG

One-line description:
Debug doesn't display multidimensional character arrays correctly.

Fix information:
fixed at C.83

Signed off 09/07/84 in release 23.40

KPR #: 5000012963 Product: DEBUG/1000 92860A 00.00

Keywords: DEBUG LU

One-line description:
Debug can't redirect I/O to lu's that are greater than 63.

Signed off 09/11/84 in release 24.01

KPR #: 2200057349 Product: DS-1B' 91700A 21.40

Keywords: DS-1B

One-line description:
RQ ERROR THEN RUNNING PTOPM IN DS1B'

Problem:
IN MODULE 'PTOPM' AT THE LABEL ADDR3 + FOUR INSTRUCTIONS
THERE IS AN EXEC CALL WITH THE FOLLOWING SEQUENCE:

```
     JSB EXEC
     DEF *+8
     DEF D19N
     DEF ZERO
     DEF ZERO
CLSAD NOP
```

THE DEF *+8 SHOULD BE A DEF *+5.

Fix information:
TO BE FIXED IN REV B.83

Signed off 02/22/84 in release 23.26

KPR #: 2200045468 Product: DS/1000 91740A 19.01

Keywords: RTMLG

One-line description:
IF RTMLG APPENDS DEBUG, PROGRAM DOES NOT WORK

Problem:
WHEN A PROGRAM IS RELCOATED USING RTMLG AND DEBUG IS APPENDED TO THE PROGRAM, THE PROGRAM DOESN'T WORK WHEN RUN IN THE RTE-M SYSTEM IT WAS RELOCATED FOR. MEMORY PROTECT, OR ENDLESS LOOP ARE SYMPTOMS THAT HAVE BEEN OBSERVED. THE SAME PROGRAM MAY BE RUN SUCCESSFULLY WITH DEBUG IF RELOCATED BY RTMLD. THE LOAD MAPS PRODUCED BY BOTH TYPES OF RELOCATIONS ARE IDENTICAL, HOWEVER THE ID SEGMENTS DIFFER IN WORDS 1 AND 7.

Signed off 02/22/84 in release 20.26

KPR #: 2200051524 Product: DS/1000 91740A 18.40

Keywords: APLDR

One-line description:
APLDR MAY NOT ALLOW PROGRAMS WITH LARGE LOCAL COMMON TO BE LOADED

Problem:
THE REMOTE APLDR MAY NOT ALLOW LOADING PROGRAMS WITH A LARGE AMOUNT (2K) OF LOCAL COMMON.

Cause:
THE REMOTE APLDR IS INCORRECTLY CHECKING THE PROGRAM SIZE FOR PROGRAMS WITH LARGE LOCAL COMMON. A CHECK IS BEING MADE AGAINST AVMEM RATHER THAN AGAINST THE SIZE OF THE PARTITION NEAR LABEL LOAD8. THIS SAME PROBLEM EXISTED IN THE RTE-M VERSION OF APLDR AND WAS CORRECTED AT REV. 2013.

Signed off 02/22/84 in release 20.13

KPR #: 2200055012 Product: DS/1000 91740A 20.26

Keywords: TIMEOUT

One-line description:
RANDOM TIMEOUT IN TCB USING MASTER REQUEST WITH LU #

Problem:
IN MODULE #RSAX, THE GIVEN 'NODE' NUMBER IS COMPARED WITH THE ENTRIES IN THE NRV. IF THE GIVEN NUMBER IS NOT FOUND, #RSAX TAKES BITS 7-15 OF THE WORD FOLLOWING THE NRV AS THE TIMEOUT VALUE. THE DEFAULT MASTER TIME-OUT IS ONLY USED WHEN THERE HAPPENS TO BE A ZERO FOLLOWING THE TABLE.

Cause:
MODULE &RES IN %DSLB1 (91740-12001) SHOULD DETECT

THE END OF THE NRV AND TAKE THE DEFAULT MASTER TIMEOUT.

Signed off 10/03/83 in release 23.26

KPR #: 2200000067 Product: DS/1000-IV 91750A 22.26

Keywords: REMAT

One-line description:
REMAT gets stuck when it cannot locate a file

Problem:
REMAT gets stuck when it can't locate a file.

Fix information:
The problem will be fixed at C.83

Signed off 02/22/84 in release 23.40

KPR #: 2200000141 Product: DS/1000-IV 91750A 23.26

One-line description:
TELL messages from 3000 discarded on 1000 remote session

Problem:
CNSLM was charged at 2301 to accept "TELLS" before it printed them to the user's terminal. A bug was introduced by misplacing a label on a statement. The bug caused the message from the 3000 to be discarded and not be printed.

Fix information:
Problem fixed at C.83.

Signed off 02/16/84 in release 23.40

KPR #: 2200000158 Product: DS/1000-IV 91750A 23.26

One-line description:
DS/1000-3000 causes system failure 917 on the 3000

Problem:
If you abort a 3000 session running PTOP while there are PTOP continuation records outstanding the 1000 will send all the data it was buffing on its holding class back to the 3000 on the PCLOSE messge. This can cause sysfail 917S on the 3000.

Fix information:
Fixed at C.83.

Signed off 02/16/84 in release 23.40

KPR #: 2200000166 Product: DS/1000-IV 91750A 23.26

One-line description:
RMOTE's MO command does not recognize lower case options

Problem:
RMOTE's move processor does not recognize lower case UN, CC, or SP options.

Signed off 02/17/84 in release 23.40

KPR #: 2200000216 Product: DS/1000-IV 91750A 21.40

Keywords: APLDR

One-line description:
SCHEDULING APLDR IN MIII OR IVE SYSTEM CAUSES UNPREDICTABLE RESULTS

Problem:
WHEN EXECW SCHEDULES APLDR IN MIII OR IVE (FLOAD, REMAT "LO" OR "RW") TWO WORDS IN THE OS ADDRESS SPACE GET CREAMED. RESULTS ARE HIGLY UN-PREDICTABLE - RANGE FROM NO PROBLEM TO SYSTEM HALTS, INCLUDE DM'S DEGRADED PERFORMANCE.

Temporary solution:
ONLY HAPPENS IF EXECW IS USED - LOCAL "RU,APLDR,..." OK.

Fix information:
FIXED AT 2226 (B.82)

Signed off 02/22/84 in release 22.26

KPR #: 2200000539 Product: DS/1000-IV 91750A 22.26

One-line description:
DORMANT SAVING RESOURCES SAME AS DORMANT: REMOTE SESSION FLUSHED!

Problem:
UPLIN DOES CHECKS TO SEE IF MASTER PROGRAM IS DORMANT WITHOUT MAKING A DIFFERENCE BETWEEN
- ORDINARY DORMANT
- DORMANT SAVING RESOURCES

Cause:
PGMAD is the module responsible for reporting the state of a process. Before 2340, PGMAD did not distinguish between a dormant process and one that was saving resources. It now does. UPLIN, and other modules now take advantage of this information.

Fix information:
Fix date unknown.

Signed off 10/16/84 in release 23.40

KPR #: 2200000547 Product: DS/1000-IV 91750A 22.26

One-line description:
INCORRECT CALL TO PRCNM GIVES MP OR DM VIOLATION

Cause:
If PRCNM is called by a program with no father or the father program has not established a session on the 3000 an error processing routine is called. This routine attempts to return to the caller through the wrong entry point, causing an MP or DM violation.

Fix information:
PRCNM has been modified so that it now does its own error processing.

If PRCNM is not able to find an ancestor program that establishes a session on the 3000, a negative one (-1) is returned to the user in the B-register. If no error occurs, a zero is returned to the user. When calling PRCNM the user should no longer abort, he should instead check the value of the B-register upon return.
The modifications made should have no impact on programs currently calling PRCNM.
Changes to the User's Manual will reflect the new return values.

Signed off 03/12/84 in release 24.01

KPR #: 2200000554 Product: DS/1000-IV 91750A 22.26

One-line description:
RESIDUAL SESSIONS LEFT ON 1000 AFTER DS/3000/1000

Problem:
DS1000-3000 makes a new session on HP1000.

Fix information:
It was fixed at C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200000562 Product: DS/1000-IV 91750A 22.26

One-line description:
THE PERMANENT OLD NODE SESSION 253 IS USED IN DS1000-3000

Problem:
DS1000-3000 uses the permanent old node session 253 offer init of DS (DINIT,OSLIN), when a session is created on a HP1000.

Fix information:
It will be fixed at A.84.

Signed off 02/17/84 in release 24.01

KPR #: 2200000570 Product: DS/1000-IV 91750A 23.01

One-line description:
RMOTE M0 command does not handle carriage control correctly

Problem:
WHEN MOVING FILES FROM RTE TO MPE VIA THE PROGRAM RMOTE, CARRIAGE CONTROL TO MPE CCTL IS WITHIN THE PROGRAM COPY3K. THIS PROGRAM IS WRITTEN IN SPL AND EXECUTES ON THE 3000 SIDE OF THE DS CONNECTION. PTOP SLAVE PROGRAM !COPY3K ON HP3000 DOES NOT HANDLE BLANK CARRIAGE CONTROL CORRECTLY.

Fix information:
Fix date unknown.

KPR #: 2200000679 Product: DS/1000-IV 91750A 23.01

One-line description:
ENTRY POINT D$XLD SHOULD BE INCLUDE IN $DSLXL

Problem:
On RTE-XL, the entry point D$XLD is undefined when loading DS programs IOMAP, LUMAP, GRPM, RTRY, OPERL and EXELM. Consequently, it should be included in the DS XL library as it is for RTE-6 ($DSMX6) RTE-A.1 ($DSA1L) and RTE-L ($DSLCL).

Fix information:
The entry point D$XLD was left out of $DSLXL by accident. The library was fixed at the 2326 PCO.

Signed off 04/11/84 in release 23.26

KPR #: 2200000687 Product: DS/1000-IV 91750A 23.01

One-line description:
IOMAP UPDATES DRIVER TYPE ONLY WHEN DOING IO (NOT WHEN ESTABLISHED)

Problem:
IOMAP doesn't update the driver type of the device the MAP is connected to until after the first request completes. For example, if the LU on the destination system is a line printer the first time the device is accessed, it is treated as a type 00 device. Consequently, on a FMGR "LI" command, the first character field is intrepeted as a control field rather than ignored. The driver should be updated when the map is established not after the first I/O request is made.

Temporary solution:
WORKAROUND: Establish the LUMAP in the WELCOM file and output one line to it. On completion of this request, the driver type is updated correctly.

Fix information:
Fix date unknown.

KPR #: 2200001529 Product: DS/1000-IV 91750A 22.01

One-line description:
SECURITY CODE PARSING IN 'REMAT' WRONG

Problem:
In 'REMAT', if executing the following command '#ST,file:SEC CODE 1: CRN1: FILE 2:SEC CODE 2: CRN2 and 'SEC CODE2' is 1 ALPHA CHARACTER (eg. A) ,The security code will be 'A:'.

Temporary solution:
As a workaround the user may use two ASCII characters for the security code or if one character is used the user will have to make future references to the file requiring the security code by using the numeric equivalent of the ASCII security code. The numeric equivalent will be the character supplied as the security code in the upper byte and a colon in the lower byte. eg #ST,file1::CRN,file2:A:CRN in this example file2 will have a security of 'A:' or 40472B.

Fix information:
FIXED THE NAMR PARSING ROUTINE IN REMAT.

KPR #: 2200001677 Product: DS/1000-IV 91750A 23.01

One-line description:
RFAM ALLOWS MULTIPLE EXCLUSIVE FILE OPENS

Problem:
A feature of RTE is that any one program can open a file exclusively multiple times. This causes a problem when using DS. Two or more programs, running on remote nodes, can open the same file exclusively at the same time. This is because a single program, RFAM, handles all remote file access.

Fix information:
The problem of multiple exclusive opens to the same file by different remote programs was fixed in RFAM at the 2326 PCO cycle.

Signed off 05/07/84 in release 23.26

KPR #: 2200001859 Product: DS/1000-IV 91750A 20.13

One-line description:
Cloned slave programs are not removed when session aborts

Problem:
When a slave program was cloned by #CLON the ID segment of the slave program was not fully attached to the session. Therefore, when the session was aborted or ended SLAVE programs associated with it were not cleared up.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200001867 Product: DS/1000-IV 91750A 20.13

One-line description:
Cloned slave programs not deallocated if not dormant

Problem:
If #CLON is called by a DS monitor to release the ID segment of a SLAVE program, the ID segment will not be released if the SLAVE program is not dormant. (ie not in state 0)

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200001875 Product: DS/1000-IV 91750A 23.26

One-line description:
PCLOS issued to a 1000 slave program with multiple requests pending

Problem:
If a slave program on the 1000 has multiple masters and multiple requests pending on its class queue and one of the masters issues a PCLOS to this SLAVE, then the SLAVE program will end execution and requests will be flushed from the SLAVE's class and the class no. deallocated. Any masters waiting for replies from any of these flushed requests will time out with no other indication as to what happened.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200001974 Product: DS/1000-IV 91750A 23.01

One-line description:
SAM FILLING UP WITH BUFFERS LEFT BY MESSAGE ACCOUNTING

Fix information:

It was fixed at C.83.

Signed off 02/22/84 in release 23.40

KPR #: 2200002097 Product: DS/1000-IV 91750A 22.01

One-line description:
RFAM does not flush files properly

Cause:
When the DCB for a file is mapped to the disc and brought back into memory because a flush occurs, incorrect parameters get used.

Fix information:
FIX THE ROUTINE TO USE THE RIGHT PARAMETER BEFORE GOING TO "CLOSE" PROCESS.

KPR #: 2200002105 Product: DS/1000-IV 91750A 23.26

One-line description:
MATIC & DSINF may loop in systems with no links to 1000's

Problem:
If DINIT is run, setting up DS with at least 1 MA node, then run again to shut down (or if the first run aborts) then run again to set up links only to HP3000s, and if DINIT remains in memory for all 3 runs the MA tables are semi-initialized, causing MATIC to be scheduled & loop.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200002519 Product: DS/1000-IV 91750A 23.26

One-line description:
RSM sometimes fails to flush dead sessions

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200002527 Product: DS/1000-IV 91750A 23.26

One-line description:
PLOG doesnt log RSM entries

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200002717 Product: DS/1000-IV 91750A 23.01

One-line description:
MISLEADING TIMEOUT MESSAGE

Problem:
When a reply returns from a PTOMP slave program after a timeout of the corresponding master program, the message displayed at the system console is
DS Error: DS07 (0) Reporting Node 2900 -- Reply flushed
under rev 2140 DS the error returned was DS Error: TCB not found, possible timeout.
This seems to be an erroneous error msg.

Fix information:
It was fixed at B.83.

Signed off 02/22/84 in release 23.26

KPR #: 2200002964 Product: DS/1000-IV 91750A 23.26

One-line description:
HSI does not come up after being disconnected abnormally

Problem:
HSI link does not come up after being disconnected abnormally.
The *communication link up* message is displayed, but the buffer size is not updated.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200003301 Product: DS/1000-IV 91750A 23.26

One-line description:
Idle timer is not reset on all PTOP traffic

Problem:
PTOPM does not reset the idle timer in the #POOL entry for any program to program traffic except for a POPEN.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200003343 Product: DS/1000-IV 91750A 23.26

One-line description:
IOMAP does not work on local node

Problem:
If request to set up mapping in local node, don't call DECEC to get status, obtain status internally.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200003558 Product: DS/1000-IV 91750A 23.26

One-line description:
Deadlock between DS/1000 and DS/1000-IV

Problem:
Incoming requests in the new DS-node are passed to the input converter (incnv). Then the 'INCNV' makes the buffer bigger and creates a new message in SAM if before 'INCNV' can create the message, SAM is filled up with incoming requests, 'INCNV' will go in state 4.
No TCB is created so no time-outs occur and the queued requests in SAM will not be released and a deadlock situation occurs.

Fix information:
Problem corrected in C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200003699 Product: DS/1000-IV 91750A 23.26

One-line description:
HALTED SYSTEM CAUSES REMOTE NODES TO HANG

Fix information:
UPLIN was sending timeout messages to a program which was state three but buffer limited and unable to process its messages. Due to this situation UPLIN continued sending timeout messages to the master program every five seconds until SAM was filled up. UPLIN now sets a bit

in the master TCB which indicates that a timeout message has been sent and no further timeout messages will be sent.

Signed off 03/12/84 in release 23.40

KPR #: 2200004028 Product: DS/1000-IV 91750A 0A.83

One-line description:
PROGL ST-FWD VERSION FAILS ON MULTIPLE ACCESS TO SAME FILE

Problem:
In store-and-forward downloading, PROGL uses RFAM. RFAM will close and re-open a file if the same remote program does a second open of the same file, in order to allow a remote user to change a non-exclusive open to an exclusive open. For PROGL, this causes checksum errors if two simultaneous downloads are attempted using a single remote file.

Cause:
Only the program is identified to RFAM (by ID segment address), not the particular user DCB. Thus a single program can only have a particular file open once.

Fix information:
PROGL now has a way to instruct RFMST as to what key it should give RFAM to identify the process that has the file open. PROGL uses a different key for each remote file it has open.
Release date unknown.

KPR #: 2200005306 Product: DS/1000-IV 91750A 22.26

One-line description:
RFAM leaves file open after giving an FM-6(0) error

Problem:
Remat aborts with DS error: FM-6(0) and file is left open exclusively to RFAM. RFAM has to be off'ed to clear the open flag.

Fix information:
If a crn is not specified, RFAM attempts to determine it by obtaining the lu (either by performing an open or by being given the lu), and making a fstat call to obtain lu to crn mappings. RFAM was making the fstat call without specifying iop=1 (all cartridges mounted to system). Because manager.sys was making the request, even though the cartridge was not in her session cartridge list, the open call succeeded RFAM then did not find the lu in the fstat cartridge list, so it returned an error, forgetting to clean up the RFAMD and to close the file. RFAM now makes the fstat call with iop=1, and further, will properly clean up any allocated resources when it encounters errors.
Release date unknown.

KPR #: 2200007161 Product: DS/1000-IV 91750A 23.26

One-line description:
At specific moments, RSM aborts.

Problem:
When an HP1000 is linked to an HP3000, RSM can abort with a DM violation

followed by a log-off sequence of the HP1000 session built by the HP3000.

Cause:
RSM changes the B-register incorrectly in module RLEAS.

Fix information:
This problem has been fixed for release at A.85.

KPR #: 2200007476 Product: DS/1000-IV 91750A 23.26

One-line description:
RSM aborts with a DM violation.

Problem:
PROBLEM DESCRIPTION: RSM aborts with following message
DM VIOL 100376
DM INST 101724
ABE 0 101755 1
XYD 1 7614 1
DM RSM 43104
THE START @ OF RSM IS 42012B
THE OFFSET LOCATION IS 1072B
The message appears always in the neighborhood of a log-off message of or HP3000-session.
The message has never appeared on a mode without a HP3000 connection.

Fix information:
This problem was fixed by the C.83 PCO.

Signed off 05/07/84 in release 23.40

KPR #: 2200007534 Product: DS/1000-IV 91750A 23.26

One-line description:
DCB gets destroyed because of an error -26.

Problem:
PROBLEM DESCRIPTION: When 2 programs in a HP3000 are using via RFA- calls the same HP1000 file, the program (one of the two) can get an error -26, which means DCB destroyed.

Fix information:
It will fixed at A.84.

Signed off 02/22/84 in release 24.01

KPR #: 2200007559 Product: DS/1000-IV 91750A 23.26

One-line description:
Program has one character appended in front of a line.

Problem:
PROBLEM DESCRIPTION: A program is written on HP3000 for execution on a HP3000, but also for execution via remote on a HP1000.
If executed via DS/1000 in remote this program has 1 character appended in front of a line.

Fix information:
It will be fixed at A.84.

Signed off 02/22/84 in release 24.01

KPR #: 2200008250 Product: DS/1000-IV 91750A 23.26

One-line description:
A DEXEC 6 results in a SC05(3) error.

Cause:
PGMAD does not return the id seg addr of the father if the father is not waiting.

Fix information:
PGMAD now returns the father's id seg addr, irreguardless of the state of the father waiting bit, as well as returning the father's id seg addr or 0 if the fahter is waiting. EXECM and EXECW were modified to use this new information from PGMAD.

KPR #: 2200008524 Product: DS/1000-IV 91750A 23.26

One-line description:
I/O from a session system using 'bounce back' goes to console.

Cause:
IF SOMEONE ON RTE-A LU1 REMATS TO A SESSION SYSTEM AND LOGS ON VIA AT,LOGON_NAME AND SOMEONE AT THAT SAME SESSION SYSTEM REMATS TO THE RTE-A SYSTEM AND DOES A COMMAND WHICH USES THE BOUNCE BACK SESSION FEATURE (PL,IO OR RW,REMAT), THEN THE IO FROM THIS COMMAND WILL BE DELIVERED TO SYSTEM LU1 ON THE SESSION SYSTEM INSTEAD OF THE LU AT WHICH THE USER IS LOGGED ON.

Fix information:
When #MSSM calls the routine GTLOC to retrieve the session ID under which he (#MSSM) is running, GTLOC returns a one which implies a non-session environment. Now GTLOC returns a zero which implies a session environment running outside of session.

Signed off 03/12/84 in release 24.01

KPR #: 2200008581 Product: DS/1000-IV 91750A 23.26

One-line description:
RFAM leaves files open that are impossible to flush in REMAT.

Fix information:
If a crn is not specified, RFAM attempts to determine it by obtaining the lu (either by performing an open or by being given the lu), and making a fstat call to obtain lu to crn mappings. RFAM was making the the fstat call without specifying iop=1 (all cartridges mounted to system). Because manager.sys was making the request, even though the cartridge was not in her session cartridge list, the open call succeeded RFAM then did not find the lu in the fstat cartridge list, so it returned an error, forgetting to clean up the RFAMD and to close the

file. RFAM now makes the fstat call with iop=1, and further, will properly clean up any allocated resources when it encounters errors.

KPR #: 2200009134 Product: DS/1000-IV 91750A 23.26

One-line description:
To take care of undefs in DS systems without links to HP3000s.

Problem:
An undef was introduced in the 2340 PCO (C.83) in DS systems without links to an HP3000. The undef was FC4FL.

Fix information:
The entry point will be placed in the dummy routine D$DND (part of $DSLB3) for the 2401 (A.84) PCO.

Signed off 03/19/84 in release 24.01

KPR #: 2200009142 Product: DS/1000-IV 91750A 23.26

One-line description:
To set no-abort bit in D$X25 so master 1k-3k programs do not abort.

Problem:
Under certain conditions DS/1000-3000 master programs running over x.25 can abort.

Cause:
The DS subroutine D$X25 does not set the no-abort bit in an EXEC call.

Fix information:
The no-abort bit will be set in the call. This fix will go out at 2401 (A.84).

Signed off 03/19/84 in release 24.01

KPR #: 2200009340 Product: DS/1000-IV 91750A 23.40

One-line description:
RMOTE aborts with DM violation using "MO" command when logging data.

Cause:
PREAD requests which require continuation records from the 3000 will return invalid data in the tag field if LOG3K is logging data.
The problem lies in the current method of buffering data and appendage for the logging process. The area used for this buffering is the same area used to store the tag field while rebuilding the message from the 3000. If logging is enabled the tag information in the first record received is overwritten by the logging procedure when subsequent continuation records are received. In the case of RMOTE this corrupt data causes the DM in subsequent procesing of the "MO" command.

Temporary solution:
As a temporary solution, either do not use logging when continuation records are to be transmitted or do not log any data.

Fix information:
D3KMS has been modified for the next release. When a continuation record is to be processed a routine is called to save the first appendage received. Before returning to the caller another call is made to restore the first appendage received.

KPR #: 2200009480 Product: DS/1000-IV 91750A 23.40

One-line description:
QCLM aborts with I004 error when formatting RQCNV error message.

Fix information:
When RQCNV built a message to be queued on QCLM's class the system time was included in the message. RQCNV reversed the order of the two words which composed the time when filling in the field for QCLM. The order was switched in routine TQCLM within RQCNV.

Signed off 04/11/84 in release 24.01

KPR #: 2200009563 Product: DS/1000-IV 91750A 23.40

One-line description:
Data appears in the appendage area in $STDLIST messages from the 3000.

Problem:
When long $STDLIST messages are sent from the 3000 the data is put into the appendage area instead of the data area. This causes problems since the 1000 is expecting the data to appear in the data area of the message The problem occurs when the line is up but no traffic is being sent, and the 3000 goes down.

Cause:
The problem lies in the fact that the INP card on the 3000 may continue to communicate with the 1000 (or another 3000) when the 3000 goes down. If both the 1000 and the 3000 cards are in secondary mode when the 3000 goes down and comes back up there is no indication on the 1000 side that the 3000 was down as opposed to just busy (i.e. the line is never marked down on the 1000 side). In such instances a new initialization request/reply sequence is never sent between the 1000 and the 3000. Due to this fact the 1000 is still looking for continuation records to be sent, while the 3000 has not been informed of the fact that the 1000 node accepts continuation records.

Temporary solution:
To correct this situation the user must re-initialize the line. This may be done from the 1000 side by using the DSMOD "/L" command.

Fix information:
The same problem has been seen in 3000 to 3000 lines with slightly different manifestations. A fix has been created on the 3000 side in which the INP will time out trying to communicate with the mainframe and disconnect the line. More information on this fix may be found under SR #9999-27392 in the IND STARS system. The fix is awaiting release with future MPE software.

KPR #: 2200010173 Product: DS/1000-IV 91750A 24.01

One-line description:
X.25 users may end up with a shared Virtual Circuit in X.25 only systems

Problem:
In systems with only X.25 connections to a 3000 the 3K LU table will remain empty until an X.25 Virtual Circuit is allocated and put into the table. If a 1000 user then runns RMOTE and issues the SW command without specifying an X.25 address they will by default get the first 3000 LU in the 3K LU table. In such cases the user will actaully end end up sharing that X.25 V.C. with the process which originally put it in the table. This may not be a problem (or even apperent) untill the true owner of the V.C. releses it.

Temporary solution:
To prevent users who forget to specify an X.25 address from sharing a V.C. the DS system on the 1000 may be generated with a dummy Bisync connection.

Fix information:
Rmote has been modified to check the X.25 flag before allowing the user to logon to a default LU from the 3000 LU table. If the first LU in the table is an X.25 LU an error message is output to the user, rather than allowing them to logon using the X.25 LU.

KPR #: 2200010181 Product: DS/1000-IV 91750A 24.01

One-line description:
Files with over 32768 records may not be moved from 1k to 3k with RMOTE

Problem:
When moving files with more than 32768 records from 1000 to 3000 the variable used to count records in the 3000 slave overflows and causes the slave to reject the next request from the 1000.

Fix information:
Both RMOTE and the 3000 slave have been modified to use a two word counter for the record counter.

KPR #: 2200011627 Product: DS/1000-IV 91750A 23.40

One-line description:
Undefined externals on XL systems with links to HP3000s.

Cause:
The module D$FCA was inadvertently left out of the library $DSLXL. This module contained the entry points RD&ST, CHGTO, GETDV, and TODEV all of which may remain unresolved when loading DS programs.

Temporary solution:
As a temporary solution to this problem the user may search the A series library $DSAL to reslove these entry points. CAUTION must be taken, however, that only those entry points listed are resloved from this library. There are numerous other entry points which the two libraries have in common which are NOT INTERCHANGABLE. All other entry points should be resloved before searching $DSAL.

Fix information:
The missing library D$FCA will be included in $DSLXL at the 2440 PCO to correct the problem.

KPR #: 2200011841 Product: DS/1000-IV 91750A 24.01

One-line description:
DS will not release X.25 POOL LU in systems with more than 1 X25 network

Problem:
In systems with more than 1 X.25 network defined, DS/1000-IV is not able to release POOL LUs once they are allocated. Once a POOL LU is allocated and not released it is no longer available for use by any other process.

Cause:
The X.25 call to RPOOL (to release the POOL LU) requires the caller to supply the Network LU number in systems with more than one network defined. DS/1000-IV does not have this information available at the time it calls RPOOL to release the LU and the call therefore fails.

Fix information:
The X.25 RPOOL call has been modified so that it no longer requires that the Network LU number be known. NOTE: This is a change to the X.25 software rather than DS/1000-IV.

KPR #: 2200011858 Product: DS/1000-IV 91750A 24.01

One-line description:
UPLIN may corrupt words in system map in systems with 1k-3k DS/X.25

Problem:
In 1000 systems with DS connections to HP3000s over X.25, UPLIN may overwrite random words, using the system map.

Cause:
When UPLIN cleans up an X.25 LU which has been marked down in the 3000 LU table it corrupts the pointer it is using as an index into the table. When the incorrect address thus created is later used as an index into the 3000 LU table it may result in a store being performed using the system map.
This store using the system map will ONLY occur if ALL of the following are true:
A) UPLIN is not at the end of the 3000 LU table;
B) One X.25 LU has already been cleaned up, during this run of UPLIN;
C) The first word to be overwritten by UPLIN contains 177777B;
D) Bit 9 of the second word to be overwritten is set to 1.

Fix information:
The address is now correctly saved and restored during and after the cleanup.

KPR #: 2200012062 Product: DS/1000-IV 91750A 23.41

One-line description:
EXECW SHOULD DISABLE SPECIAL APLDR CHEKING IF IT IS RUNNING ON A IV-E

Problem:
ABSOLUTE PROGRAM LOAD VIA REMAT "LO" COMMAND IS NOT SUPPORTED ON 4E SYSTEMS - ABSOLUTE PROGRAM LOADING IS ACCESSED BY REMAT RW,APLDR,... THERE IS NO CHECK IN EXECW TO PREVENT SPECIAL "LO" APLDR CHECKING ON RTE-IVE SYSTEMS.

Cause:
EXECW CODE DOES NOT CHECK AGAINST 4E SYSTEMS.

Fix information:
NOW EXECW CHECKS THE O.S. BEFORE GOING TO SPECIAL APLDR CHECKING.

KPR #: 2200012294 Product: DS/1000-IV 91750A 23.41

One-line description:
IOMAP RETURNS ERROR CODE -6

Problem:
WHEN SETTING UP AN IOMAP, AN ERROR CODE -6 (MEANING DESTINATION LU IS INVALID) MAY BE RETURNED.

Cause:
IOMAP ATTEMPTS TO MAKE AN DLUEX CALL TO CHECK THE I/O STATUS OF THE REMOTE LU FROM WITHIN A SESSION.

Fix information:
SINCE THE TRUE LU IS BEING USED, AND THE BIT WHICH INHIBITS MAPPING FROM SESSION LU'S TO TRUE LU'S IS SET IN REQUEST, THERE IS NO NEED FOR SESSION. THEREFORE PRIOR TO CALL TO DLUEX, #OVR (SESSION OVERRIDE) FLAG IS NOW SET.

KPR #: 2200012302 Product: DS/1000-IV 91750A 23.41

One-line description:
UNDEFINED OR INVALID DS ERROR NUMBERS ARE REPORTED.

Problem:
UNDEFINED OR INVALID DS ERROR NUMBERS ARE REPORTED AFTER A CALL TO DPURG

Cause:
THE SECTION OF CODE IN RFMST WHICH IS RESPONSIBLE FOR DPURG PROCESSING MAKES AN IMPROPER CALL TO AN INTERNAL ROUTINE WHICH DESTROYS THE MASK USED TO GET THE DS ERROR NUMBER.

KPR #: 2200012351 Product: DS/1000-IV 91750A 23.41

One-line description:
DEXEC(9,) OR DEXEC(23,) CALLS MIGHT NOT RETURN SON'S PRTN PARAMTERS.

Problem:
WHEN A DEXEC(9,) OR DEXEC(23,) CALL WAS MADE AND A USER SPECIFIED A BUFFER WITH A NEGITIVE BYTE COUNT FOR ITS LENGTH, THE SON'S PRTN

PARAMETERS MIGHT NOT BE RETURNED.

Cause:
AN IMPROPER CALL TO WAS MADE TO AN INTERNAL ROUTINE CAUSING THE PRTN PARAMETERS TO NOT BE RETURNED.

Fix information:
TO BE FIXED AT A.85.

KPR #: 2200012948 Product: DS/1000-IV 91750A 23.26

One-line description:
RMOTE opens command file exclusivly.

Fix information:
RMOTE now opens command files in shared mode in the same manner as REMAT and FMGR.

KPR #: 2200015255 Product: DS/1000-IV 91750A 24.01

One-line description:
UPLIN may check status of MATIC incorrectly.

Fix information:
UPLIN has been modified to correctly call PGMAD.

KPR #: 2200015271 Product: DS/1000-IV 91750A 24.01

One-line description:
UPLIN and RQCNV become I/O suspended

Problem:
When UPLIN detects an X.25 LU in the 3000 LU table which has been marked down it will make an attempt to release the X.25 Virtual Circuit, with a call to subroutine RELSX. In this subroutine a control request is made to the LU. If the LU has been marked down by the system UPLIN will suspend at this point. RQCNV may also call subroutine RELSX and become suspended if the LU is down.

Fix information:
The subroutine RELSX has been modified to make the control request using the no-suspend option.

KPR #: 2200015289 Product: DS/1000-IV 91750A 24.01

One-line description:
Master Programs I/O suspend on X.25 V.C LUs to 3000.

Problem:
If the X.25 connection has not been opened with the DSCONTROL xx;OPEN command on the 3000, X.25 on the 1000 will still return a valid Virtual circuit LU number in response to a call to ALTAD. When a control request is issued to establish a connection, X.25 will set the LU down. When an error is detected from the connection request a call is made to attempt a clean-up of the LU. This call will cause the master program to suspend on the downed LU.

Fix information:
The subroutine D$X25 has been modified to use the no suspend option and to return an error if the LU is down.

KPR #: 2200015305 Product: DS/1000-IV 91750A 24.01

One-line description:
Incorrect error checking during X.25 Virtual Circuit allocation.

Problem:
When the no-abort option was added in XLUEX calls in the DS/1000-IV subroutine D$X25 (X.25 Virtual Circuit allocation) no provision was made for the new return point. This caused the driver status check to only be executed if the XLUEX call failed. Any driver errors were thus undetected.

Fix information:
A new error handling routine has been added to handle the XLUEX error return and the driver status check is now made on good returns.

KPR #: 2200015313 Product: DS/1000-IV 91750A 24.01

One-line description:
LOG3K may not be run from LUs greater than 63.

Fix information:
The call to IFTTY has been corrrected to handle LUs greater than 63.

KPR #: 2200015321 Product: DS/1000-IV 91750A 24.01

One-line description:
LOG3K aborts on A-Series when attempting to log to a file.

Problem:
Currently LOG3K must be force loaded on the A-Series due to a call to a spooling system routine (SPOPN) which does not exist on the A-Series. Attempts to execute the code which makes the subroutine call will cause unpredictable results. The routine was called when an attempt was made to set up logging to a file.

Fix information:
A check is now made for the type of system before attemting to set up spooling and a warning printed if the user attempt to log to a file on an A-Series system.

KPR #: 2200015339 Product: DS/1000-IV 91750A 24.01

One-line description:
DSLIN may abort if running detached from session.

Problem:
When setting up to write messages back to the scheduling terminal DSLIN called subroutine KCVT to convert the LU number to ASCII, this routine only returns the last two didgets of the LU number. Running in asession this is not a problem, but if detached from session the LU number DSLIN attempts to format may be graeter than 99.

Fix information:
DSLIN has been modified to use CNUMD to convert the full LU number to ASCII.

KPR #: 2200016444 Product: DS/1000-IV 91750A 24.01

One-line description:
RMOTE doesn't pass parameters to programs scheduled with 'RU' or 'RW'.

Problem:
If numeric parameters were passed to a program sheduled with the RMOTE 'RU' or 'RW' commands, they were incorrectly handled, resulting in all zeros being passed to the scheduled program. The 5th parameter, if supplied, is not passed correctly whether numeric or ASCII.

Fix information:
RMOTE now correctly passes the parameters to the scheduled program.

KPR #: 2200016592 Product: DS/1000-IV 91750A 22.13

One-line description:
Editor may abort when run remotely with corrupt file message.

Problem:
THE "CORRUPT FILE" MESSAGE IS UNRELATED TO THE TRUE ERROR. THE TRUE ERROR IS I004 WHICH IS CAUSED BY A REMOTE WRITE/READ CALL.

Cause:
THE "EDITR" USES THE SPACE AT THE END OF THE PARTITION FOR BUFFERING. SOMETIMES A BUFFER GOES BEYOND THE PARTITION BOUNDARY.

Fix information:
NOW THERE IS A SPACE (MAX_RECORD_LENGTH LONG) AT THE END OF PARTITION WHICH GARANTIES THAT ALL RECORDS ARE INSIDE THE PARTITION.

KPR #: 2200017442 Product: DS/1000-IV 91750A 24.01

One-line description:
HELLO doesn't return an error if an invalid 3000 LU is specified.

Problem:
If an LU not in the 3000 LU table is specified in a call to hello, the call will fail but the error code returned is zero.

Fix information:
The error processing section has been corrected to return an error code of 4 as per the current documentation.

KPR #: 2200018531 Product: DS/1000-IV 91750A

One-line description:
DSINF does not correctly report DATALINK information (DVR07)

Fix information:
Problem was corrected in code changes during 1982.

Signed off 02/17/84 in release 23.40

KPR #: 2200021923 Product: DS/1000-IV 91750A .

One-line description:
Errors -47 & -55 on PTOP calls with remote session

Problem:
WHEN USING PTOP CALLS AND REMOTE SESSION, IF PROGRAMS ARE SCHEDULED REPEATEDLY, A PTOP CALL MAY FAIL WITH A -47, -55 ERROR. THE PROBLEM OCCURS WHEN UPLIN SENDS A LOGOF IN AN ATTEMPT TO CLEAN UP AN OLD SESSION BUT IN THE MEANTIME A NEW SESSION HAS BEEN INITIATED.
AS A WORKAROUND, SCHEDULE A PROGRAM WHICH LOGS ON TO A SESSION AT THE REMOTE NODE AND THEN SUSPENDS ITSELF, BEFORE THE PTOP PROGRAMS ARE RUN. IN THIS WAY THE REMOTE SESSION WILL NOT BE LOGGED OFF BY UPLIN SINCE THE ORIGINATING PROGRAM HAS NOT COMPLETED. AN ALTERNATIVE WORKAROUND IS MAKE A CALL TO DLGNS TO LOG ON NON-SESSION IN THE PTOP PROGRAMS.

Fix information:
FIXED AT A.83.

Signed off 08/23/83 in release 23.01

KPR #: 2200022590 Product: DS/1000-IV 91750A .

One-line description:
DS does not know what time it is!

Problem:
DS ERROR MESSAGE OCCURRED ON SYSTEM CONSOLE BETWEEN A LOGON/LOGOF MESSAGE ALWAYS SHOWED A TIME OF MIDNIGHT.

Cause:
RESPONSE FROM IND LAB "THE COMMUNICATION WRITE ERROR ON A 1000/3000 LINK MESSAGE WAS INADVERTENTLY LEFT OUT OF THE MANUAL. THIS MESSAGE WAS ADDED TO THE A.83 MANUAL.
THE MODULE DDN SENDS THIS MESSAGE TO QCLM. D$DN IS REPORTING THE ERROR THAT DVA66 SENDS HIM. D$DN DOES NOT PUT THE SYSTEM TIME IN THE MESSAGE SENT TO QCLM, SO QCLM CANNOT PRINT THE RIGHT TIME.

Fix information:
FIXED DATE FOR D$DN WAS B.83.

Signed off 02/17/84 in release 23.26

KPR #: 2200022970 Product: DS/1000-IV 91750A .

One-line description:
DS ERROR (00) REPORTING NODE 0

Problem:
OCCASIONALLY A DS ERROR (00) WITH A REPORTING NODE OF 0 (WHICH IS NOT THE NODE IN THE NETWORK) WILL APPEAR ON THE SYSTEM CONSOLE OF THE SLAVE NODE.

Fix information:
FIXED AT A.83.

Signed off 08/29/83 in release 23.01

KPR #: 2200023515 Product: DS/1000-IV 91750A .

One-line description:
Do not write the editr prompt to xl terminal from rte-4b.

Problem:
"EDITR" THINKS THAT RTE-XL TERMINAL IS NOT INTERACTIVE AND TURNS OF THE INTERACTIVE FLAG.

Cause:
IN RTE-XL (L,A.1,A.2,A.3) THE RETURNED PARAMETERS FROM EXEC 13 CALL HAVE DIFFERENT MEANINGS. IN "EDITR", THERE IS A CALL TO EXEC 13 AND IT WAS EXPECTING THE RETURNED VALUES IN RTE-IVB (RTE-6) FORMAT.

Fix information:
BEFORE DECIDING WHETHER THE DEVICE IS INTERACTIVE OR NOT IT CHECKS THE REMOTE OPERATING SYSTEM TYPE.

KPR #: 2200028928 Product: DS/1000-IV 91750A .

One-line description:
BFPAS answer buffer incorrect, causes question to be repeated.

Problem:
If using BFPAS, and answer buffer is incorrect, question is repeated.

Fix information:
This problem was corrected at C.83.

Signed off 02/17/84 in release 23.40

KPR #: 2200029322 Product: DS/1000-IV 91750A .

One-line description:
Multiple slave opens on XL do not clean up

Fix information:
Problem corrected in B.83.

Signed off 02/17/84 in release 23.26

KPR #: 2200030379 Product: DS/1000-IV 91750A .

One-line description:
ID.66 does not check that QUEUE is properly scheduled

Fix information:
Problem corrected at B.83.

Signed off 02/17/84 in release 23.26

KPR #: 2200031211 Product: DS/1000-IV 91750A .

Keywords: OPERM

One-line description:
OPERM aborted when doing a TI after starting DS

Problem:
If MA determines that a message destined for a slave monitor should not be delivered because of improper sequence numbers, the message is released by MA. This happens when MA is bringing up a MA channel or as part of MA's duplicate suppression function. In this case GRPM will have already built a slave TCB. UPLIN will time out this TCB eventually (since the slave monitor does not receive the message, it does not know about the slave TCB). If the monitor is abortable (OPERM or EXECW), it is aborted. The way this bug manifests itself usually is that you will see OPERM ABORTED messages on the system console when first talking to a node that has MA (most people perform a TI/TM command as the first command to see if a node is up).

Cause:
If MA determines that a message destined for a slave monitor should not be delivered, GRPM will release the slave TCB created to keep track of that message.

Fix information:
Problem corrected for B.83.

Signed off 02/17/84 in release 23.26

KPR #: 2200031617 Product: DS/1000-IV 91750A .

One-line description:
INTERMITTENT RS01(0) ERRORS WHEN SLAVING BACK TO ORIGINAL SESSION

Fix information:
Problem corrected at A.84.

Signed off 02/17/84 in release 24.01

KPR #: 2200053108 Product: DS/1000-IV 91750A 21.26

Keywords: DEXEC

One-line description:
INCOMPATIBILITY OF DEXEC 3 BETWEEN RTE-XL AND RTE-4B

Problem:
THE INCWD PARAMETER OF EXEC 3 CALLS INCLUDES BIT 11 AS PART OF THE FUNCTION CODE IN THE RTE-XL OPERATING SYSTEM. HOWEVER, IN AN RTE-4B SYSTEM, BIT 11 IS NOT USED IN THE INCWD PARAMETER OF EXEC 3 CALLS. THE EXECM MONITOR DOES NOT CHECK FOR INCWD BIT 11 BEING SET WHEN DEXEC 3 CALLS ARE MADE, THUS DEXEC 3 CALLS WHICH SET BIT 11 IN THE FUNCTION CODE WILL FAIL ON AN L/XL SYSTEM.

Cause:

FOR EXAMPLE THE DEXEC 3 TO ID.50 WITH A FUNCTION CODE OF 40 WILL FAIL.

Fix information:
EXECM has been modified to pass bit 11 to OS if it is not an interactive Read/Write call.

Signed off 05/07/84 in release 24.01

KPR #: 2200054221 Product: DS/1000-IV 91750A 20.13

Keywords: WHZAT

One-line description:
DS WHZAT DOES NOT REPORT NODE NUMBER CORRECTLY WHEN OVER 99

Problem:
NODE NUMBERS CAN BE ANY NUMBER BETWEEN 0 AND 32767. RUNNING WHZAT AT A REMOTE NODE PRODUCES AN UNUSUAL NODE NUMBER IF THE NODE NUMBER IS GREATER THAN 99. APPARENTLY THE REMOTE WHZAT ONLY HAS PROVISIONS FOR A TWO DIGIT NODE.

Cause:
Only two digits of the node number were converted to ASCII characters.

Fix information:
Converted all five digits of the node number to ASCII characters.

KPR #: 2200055020 Product: DS/1000-IV 91750A 21.40

Keywords: MP VIOLATION

One-line description:
TLOG COMMANDS > 72 CHARACTERS CAUSES MP VIOLATION

Problem:
THE DS/1000-IV NETWORK MANAGER'S MANUAL VOL. II STATES TLOG COMMANDS SHOULD NOT EXCEED 72 CHARACTERS AND IF A COMMAND EXTENDS PAST THIS LIMIT, THE MESSAGE "**ILLEGAL COMMAND**" IS PRINTED AS EXPECTED. HOWEVER, THE NEXT COMMAND ENTERED (VALID OR NOT) CAUSE A MEMORY PROTECT.

Temporary solution:
AS A WORK-AROUND DELETE ANY COMMANDS GREATER THAN 72 CHARACTERS.

Fix information:
This problem was fixed in 2301 PCO.

Signed off 09/07/84 in release 23.01

KPR #: 2200055871 Product: DS/1000-IV 91750A 21.13

Keywords: DS/1000 TO 3000

One-line description:
DS/1000/3000 LINK DISCONNECTED WITH PROGRAM COMPLETION

Problem:
AS OF B.82 RELEASE, DSLIN IS REQUIRED TO BRING UP A DS-1000/3000 LINK. COMMUNICATION IS MADE TO THE 3000 WHEN THE DS PROGRAM IS RUN, E.G. RMOTE, PTOP. THE PROBLEM IS WHEN THE DS PROGRAM TERMINATES, THE LINK TO THE 3000 IS DISCONNECTED. THIS REQUIRES RERUNNING OF DSLIN BEFORE THE NEXT COMMUNICATION.

Cause:
THE 1000/3000 LINK IS DISCONNECTED AFTER THE LAST USER LOGS OFF FROM THE HP 3000. DS/1000 SENDS A LINK DISCONNECT MESSAGE TO THE 3000 AND THE 1000 SOFTWARE IS PLACED IN SECONDARY MODE, WAITING FOR AN INITIALIZATION REQUEST FROM THE 3000.

Temporary solution:
AS A WORKAROUND EITHER (1) RUN DSLIN, THEN RMOTE, ESTABLISH A REMOTE 3000 SESSION AND SUSPEND RMOTE (SINCE THERE WILL ALWAYS BE A USER ON THE LINE, NO DISCONNECT MESSAGE WILL BE SENT.), OR (2) ISSUE A 'DSLINE; OPEN' COMMAND ON THE HP 3000. AS LONG AS THE LINE IS OPEN FROM THE 3000 SIDE, 1000 USERS WILL NOT HAVE TO RUN DSLIN AT ALL.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200055905 Product: DS/1000-IV 91750A 22.01

Keywords: DS/1000 TO 3000

One-line description:
TRC3K 'SET RTENO' DOES NOT WORK PROPERLY

Problem:
WHEN TRACING, THE COMMAND "SET RTENO = 59" WAS GIVEN. THIS SHOULD HAVE RESULTED IN PRINTING ALL TRANSACTIONS IN BOTH DIRECTIONS RELATED TO TERMINAL 59 ON THE HP 1000. INSTEAD ONLY 3000 MESSAGES TO LU 59 AND AND 1000 MESSAGES TO SESSION PROCESS 59 ON THE 3000 WERE PRINTED.

Signed off 02/22/84 in release 23.01

KPR #: 2200056101 Product: DS/1000-IV 91750A 22.01

Keywords: DS/1000 TO 3000

One-line description:
RMOTE WILL NOT PERMIT USER TO RELOG ON AFTER TIMEOUT

Problem:
ON THE HSI LINK, IF THE LINE GOES DOWN WHILE A USER IS IN RMOTE AND THEM COMES BACK UP AGAIN THE USER

CAN NOT IMMEDIATELY LOG ON TO THE 3000 FROM RMOTE. THE USER MUST EITHER ENTER ANY MPE COMMAND (EXCEPT HELLO) OR EXIT RMOTE AND RUN RMOTE AGAIN.

Cause:
THIS WAS CAUSED BY THE FACT THAT THE 1000 SOFTWARE SENT THE HELLO REQUEST WITH THE SESSION NUMBER OF THE PREVIOUS SESSION, WHICH THE 3000 PROPERLY REJECTED.
NOTE: ON THE PSI LINK THINGS WORK DIFFERENTLY. IF THE LINE REALLY WENT DOWN AND CAME BACK UP AGAIN, ALL USERS WOULD BE LOGGED OFF, AND DSLIN WOULD HAVE TO BE RUN BEFORE ANY USERS COULD LOG ON TO THE 3000 AGAIN. IF THE USERS WHO WERE RUNNING RMOTE WHEN THE LINE WENT DOWN HAD A READ POSTED ON THEIR TERMINAL WHEN THE LINE CAME UP AND THEY STAYED IN THIS STATE UNTIL DSLIN WAS RUN AGAIN TO REINITIALIZE THE LINE, THEY WILL BE ABLE TO LOG ON TO THE 3000 WITHOUT EXITING RMOTE WITH THE 2301 SOFTWARE. EARLIER SOFTWARE WILL REQUIRE THEM TO EXIT RMOTE AND REENTER IT.

Fix information:

Problem corrected at PCO 2301.

Signed off 02/22/84 in release 23.01

KPR #: 2200056143 Product: DS/1000-IV 91750A 22.01

Keywords: REMAT

One-line description:
REMAT 'CL' COMMAND DISPLAYS THE WRONG REMOTE CARTRIDGE LIST

Problem:
REMAT 'CL' COMMAND DISPLAYS THE WRONG REMOTE CARTRIDGE LIST. THIS OCCURS WHEN TWO REMOTE TERMINALS ARE ACCESSING A NODE AT THE SAME TIME. IF ONE TERMINAL IS DOING THE REMAT COMMAND 'DL' TO LIST A DIRECTORY, AND 'CL'S ARE DONE ON THE OTHER TERMINAL, THE CARTRIDGE LIST IS BOTH CHANGING AND ERRONEOUS.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056465 Product: DS/1000-IV 91750A 21.13

Keywords: ABORT

One-line description:
USER PROGRAM CAN ABORT IF CALLING BFPAS AND DINIT NOT THERE

Problem:
IF A USER PROGRAM CALLS THE SUBROUTINE BFPAS TO INITIALIZE

DS/1000-4 AND THE PROGRAM DINIT OR DSMOD IS NOT PRESENT, RTE WILL ABORT THE USER PROGRAM WITH AN SC05 ERROR. BFPAS SCHEDULES DINIT WITHOUT THE "NO-ABORT" BIT BEING SET IN THE EXEC CALL. IF DINIT OR DSMOD HAVE NOT BEEN LOADED OR RP'ED THE USER PROGRAM THAT CALLS BFPAS WILL BE ABORTED BY RTE.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056473 Product: DS/1000-IV 91750A 22.26

Keywords: REMAT

One-line description:
REMAT IN RTE-A.1 MISREADS NULL INPUT

Problem:

REMAT EXPECTS REIO TO LEAVE ITS BUFFER ALONE, IF NOTHING IS READ. INSTEAD REIO TRASHES THE BUFFER. THE SYMPTOM THE REMAT USER WILL SEE IS "OP CODE ERROR" OR "ILLEGAL REQUEST" INSTEAD OF "REMAT: 010", AS EXPECTED. THIS IS ATTRIBUTED TO A BUG IN REIO IN RTE-A.1.

Fix information:

Problem corrected at PCO 2301.

Signed off 02/22/84 in release 23.01

KPR #: 2200056671 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
DS/1000/3000 LINK CANNOT BE RECONNECTED AFTER 3000 INP DUMPS

Problem:

WITH MULTIPLE USERS RUNNING DS/1000-3000 THE 3000 INP DUMPED. WHEN DSLIN WAS RUN TO ESTABLISH THE BROKEN CONNECTION THE PSI CARD SENT TTD'S BECAUSE IT WAS WAITING FOR THE INITIALIZATION BUFFER TO SEND TO THE 3000. DVA66 NEVER SENT THE BUFFER BECAUSE IT DID NOT CLEAR A FLAG WHICH TOLD IT THAT IT WAS WAITING FOR A PSI BUFFER FROM THE PREVIOUS CONNECTION. DSLIN PRINTS THE "PRIMARY CONNECT TIMED OUT" MESSAGE. THE BEST WAY TO CLEAR THE PROBLEM IS TO REBOOT THE 1000.
WHEN THE INP RAM DUMPS AND YOU TRY TO RUN DSLIN AGAIN TO REESTABLISH THE LINK THE DRIVER DOES NOT SEND THE INITIALIZATION REQUEST DOWN TO THE PSI BECAUSE IT THINKS IT IS STILL WAITING FOR A BUFFER FROM THE PREVIOUS CONNECTION.

Fix information:
TO BE FIXED AT REVISION B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056689 Product: DS/1000-IV 91750A 22.13

Keywords: DS/1000 TO 3000

One-line description:
D3KMS DOES NOT HANDLE 0 LENGTH READS PROPERLY ON THE A-SERIES

Problem:

WHEN RUNNING RMOTE TO A 3000, IF YOU DO A REDO COMMAND, ONCE YOU DO A ZERO LENGTH READ, ALL SUBSEQUENT READS FROM THE TERMINAL AND WRITES TO THE TERMINAL ARE GARBLED. THIS IS BECAUSE THE REIO CALL ON THE A-SERIES TRASHES THE ENTIRE BUFFER PASSED TO IT ON A ZERO LENGTH READ. UNFORTUNATELY, D3KMS SPECIFIES A READ LENGTH GREATER THAN ITS BUFFER SIZE, AND SO SOME OF ITS VARIABLES GET WIPED OUT. THIS IS ONLY A PROBLEM ON A-SERIES COMPUTERS.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056978 Product: DS/1000-IV 91750A 22.13

Keywords: DS/1000 TO 3000

One-line description:
DS/1000/3000 WITH MULTIPLE MESSAGES IN 1 BUFFER DOES NOT WORK

Problem:

WHEN USING DS 1000-3000 AND A PSI CARD CONNECTION, IF THE 3000 SENDS MORE THAN ONE MESSAGE IN A SINGLE COMMUNICATIONS BUFFER THE APPLICATIONS PROGRAM HANGS. THIS IS BECAUSE QUEX DOES NOT CALCULATE THE LENGTH OF THE FIRST MESSAGE PROPERLY. THE FIRST MESSAGE GETS PROCESSED, BUT THE REST OF THE MESSAGES IN THE BUFFER GET LOST BY QUEX AND NEVER GET TO THE UPPER LAYERS OF SOFTWARE.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056994 Product: DS/1000-IV 91750A 22.13

Keywords: DEXEC

One-line description:
#RQUE IN XL CAN BLOCK DS WHEN DOWNED LU IS ENCOUNTERED

Problem:

A DEXEC CALL TO AN ALREADY DOWNED LU ON AN XL NODE LEAVES EXECM I/O SUSPENDED INDEFINITELY. ANY FURTHER ACTIVITY REQUIRING CLASS BUFFER RETHREADING LEAVES ANOTHER DS PROGRAM (USUALLY GRPM) WAITING FOR A SHARED ROUTINE, THUS TOTALLY

BLOCKING DS ACTIVITY ON THE NODE.

Cause:

#RQUE FOR L/XL USES AN EXEC ALL TO DO THE ACTUAL BUFFER RETHREAD. WHEN DEXEC HANGS, THE PROGRAM COUNTER IS AT THIS CALL (253B IN #RQUE). UNLIKE #RQUE IN RTE-4/6, THE STATUS OF THE LU IS NOT CHECKED BEFORE RETHREADING.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057000 Product: DS/1000-IV 91750A 22.01

Keywords: DOWNLOAD

One-line description:
PROGL DOES NOT HANDLE QUEUED DOWNLOAD REQUESTS PROPERLY

Problem:

PROGL FAILS WHEN INITIATING ANY QUEUED DOWNLOAD REQUESTS (USING EITHER DVA66 OR MULTIDROP DS LINKS). IT REPORTS A LINE ERROR TO #PRLU (WHICH IS THE LU TO WHICH ALL DOWN-LOAD ERRORS ARE REPORTED). PROGL'S CODE FAILS TO SET THE CARD INTO NON-DS MODE BEFORE INITIATING A QUEUED DOWNLOAD REQUEST WHICH CAUSES THE DRIVER TO MALFUNCTION AND REPORT A LINE ERROR MESSAGE BACK TO PROGL.

Fix information:
TO BE FIXED AT REVISION B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057166 Product: DS/1000-IV 91750A 22.13

Keywords: POWERFAIL

One-line description:
POWERFAIL/AUTO RESTART WITH XDV00 GENNED IN MAY FAIL

Problem:

A COMBINATION OF THE FOLLOWING WILL CAUSE XDV00 TO CRASH THE SYSTEM WHEN A POWERFAIL/AUTO RESTART IS DONE:

1. XDV00 GENNED IN, BUT NO I/O CARD PRESENT, OR I/O CARD IS MALFUNCTIONING.
2. XDV00 HAS NEVER BEEN ENTERED WITH A REQUEST.

Cause:

THE SYSTEM, UPON POWERFAIL PROCESSING, WILL DETECT THAT THE I/O CARD IS NOT THERE AND ENTER THE DEVICE DRIVER CONTINUE WITH A NOT READY ERROR CODE. THE DEVICE DRIVER, HAVING NEVER BEEN ENTERED, IS NOT EXPECT-ING A CONTINUE, AND JUMPS TO AN ADDRESS WHICH HAS NOT YET BEEN INITIALIZED.

Temporary solution:

INSURE THAT XDV00 IS ENTERED WITH REQUEST FOR EACH DVT. PUT A 'CN,{LU}' COMMAND IN THE WELCOM FILE FOR EACH LU GENNED IN FOR XDV00.

Fix information:

CODE HAS BEEN REARANGED TO DO THE INITIALIZATION FIRST.

Release date unknown.

KPR #: 2200057406 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
CANNOT USER NEW CONTINUATION RECORDS IF 3000 SENDS INIT. REQUEST

Problem:

WHEN USING DS/1000-3000, IF THE 3000 SENT THE INITIALIZATION REQUEST, LONG PRINTS TO $STDLIST AND LONG READS FROM $STDIN ON THE 3000 WILL NOT WORK. THIS IS BECAUSE QUEX DOES NOT SET THE CORRECT BIT IN ITS INITIALIZATION REPLY TO THE 3000 TO SAY THAT IT ACCEPTS NEW CONTINUATION RECORDS. THIS CAN MAKE PRINTS GREATER THAN THE LINE BUFFER SIZE BE TRAPPED BY DS/3000, AND THE DATA WILL NOT BE PRINTED ON THE 1000 TERMINAL. AS A WORKAROUND, DO NOT USE THE NEW CONTINUATION RECORDS IF THE 1000 IS A SLAVE (DSLIN RUN TO SET THE 1000 IN SECONDARY MODE). THE EASIEST WAY TO GET AROUND THIS IS TO RUN DSLIN AND SET THE 1000 IN PRIMARY MODE.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057414 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
RMOTE WITH MOVE DOES NOT MOVE TYPE 1 OR 2 FILES PROPERLY

Problem:

RMOTE DOES NOT MOVE TYPE 1 OR 2 FILES CORRECTLY. WHEN RMOTE ENCOUNTERS A FMGR-012 ERROR (SOF/EOF) ERROR, IT ABORTS THE FILE MOVE IN PROCESS. RMOTE SHOULD WRITE THE LAST BUFFER INTO THE 3000 FILE AND THEN TERMINATE. DO NOT MOVE TYPE 1 OR 2 FILES WITH RMOTE UNTIL THIS PROBLEM IS RESOLVED.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057422 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
RMOTE DOES NOT SEND RIGHT CHARACTERS FOR A 3000 PASSWORD

Problem:
WHEN USING RMOTE TO CONNECT A 1000 TO A 3000, THE CHARACTERS THAT ARE ENTERED AS A PASSWORD TO A LOGON ON THE 3000 ARE NOT SENT TO THE 3000 THE SAME WAY AS THEY WERE TYPED IN. THIS IS BECAUSE D3KMS DOES NOT USE THE RIGHT BUFFER TO BUILD THE READ REPLY FROM THE 3000. THIS IS ONLY A PROBLEM IF YOU ENTER THE PASSWORD WHEN THE 3000 ASKS. IF THE PASSWORD IS PLACED IN THE RUN STRING FOR HELLO, EVERYTHING WORKS CORRECTLY.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057547 Product: DS/1000-IV 91750A 23.01

Keywords: DSINF

One-line description:
DSINF CANPRINT OUT '65536 RFA FILES MAY BE OPEN'

Problem:
IF YOU RUN THE PROGRAM DSINF AND USE THE FUNCTION 'VA', IT WILL PRINT OUT "65535 RFA FILES MAY BE OPEN" IN A SYSTEM WITHOUT RFAM IN IT.

Cause:
WHEN INITIALIZING DS, THE QUESTION "# OF FILES FOR RFAM" WAS ANSWERED WITH -1. DSINF, WHEN PROCESSING THE 'VA' COMMAND, DID NOT CHECK TO SEE IF THE QUESTION WAS VALID FOR THIS SYSTEM AND CONVERTED THIS VALUE AS IF IT WERE THE VALUE FOR THE POSSIBLE NUMBER OF OPEN FILES.

Temporary solution:
WHEN INITIALIZING DS WITHOUT RFAM IN THE SYSTEM, ANSWER ZERO (0) TO THE QUESTION OF NUMBER OF FILES TO BE OPENED BY RFAM.

Fix information:
IT IS FIXED @B.83

Signed off 10/03/83 in release 23.26

KPR #: 2200057554 Product: DS/1000-IV 91750A 23.01

One-line description:
STORE AND FORWARD DOWNLOAD CAUSES CREATION OF REMOTE SESSION

Problem:

A REMOTE SESSION IS CREATED AT THE DESTINATION NODE IN A STORE & FORWARD DOWNLOAD. THIS SESSION NEVER GETS REMOVED.

Cause:
IN AN ENVIRONMENT WHERE, FOR EXAMPLE, NODE 3 IS DOWN-LOADING TO NODE 1 THROUGH NODE 2, THE DOWNLOAD CAUSES A REMOTE SESSION ON NODE 1 BECAUSE IT'S AN RFA CALL. THE RFA MONITOR NEVER TERMINATES (CLASS GET SUSPEND), HENCE THE SESSION NEVER GOES AWAY. IF THE # OF LOCAL SESSIONS SPECIFIED TO DINIT IS 2, ACCESS TO NODE 1 IS NOW NOT POSSIBLE.

Temporary solution:
UP THE NUMBER OF LOCAL SESSIONS.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057729 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
VIEW/BLOCKMODE ON DS/1000/3000 DOES NOT WORK RIGHT AT REV 2301

Problem:
BLOCK MODE APPLICATIONS RUNNING OVER RMOTE (BETWEEN A 1000
IT IS FIXED @B.83.
AND A 3000) DO NOT WORK PROPERLY. THE APPLICATIONS SCREENS COME UP ON THE 1000 TERMINAL, BUT THE READS ARE ALWAYS SATISFIED IMMEDIATELY, EVEN THOUGH THE USER HAS NO TIME TO TYPE ANYTHING IN ON THE SCREEN.

Signed off 10/03/83 in release 23.26

KPR #: 2200057828 Product: DS/1000-IV 91750A 23.01

Keywords: REMAT

One-line description:
REMAT FL COMMAND DOES NOT WORK PROPERLY

Problem:
IF A FILE IS OPEN VIS RFAM TO MORE THAN 2 PROGRAMS, THE FL COMMAND OPERATES INCORRECTLY.
IF 3 PROGRAMS: FL,FILE::CRN,-1
RESULTS IN "2 ENTRIES FLUSHED", AND IF YOU DO THE FL COMMAND AGAIN, IT RESULTS IN "1 ENTRY FLUSHED" AND RFAM'S TABLE IS FINE.
IF 4 OR MORE PROGRAMS: THE FIRST FL RESULTS IN "2 ENTRIES FLUSHED". WITH THE THE SECOND FL, RFAM WAITS AND THEN DM'S. IF RFAM DM'S, THIS RESULTS IN ALL FILES OPEN TO RFAM BEING FLUSHED.
TRY NOT TO USE THE FL COMMAND ON SUCH FILESSSS, AND BE AWARE THAT THE FILES ARE CLOSED WITH THE DCLOS CALL.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057836 Product: DS/1000-IV 91750A 22.26

Keywords: IMAGE REMOTE ACCESS

One-line description:
RDBAP CANNOT BE LOADED WITH LINK

Problem:
%RDBAP CANNOT BE LINKED, BECAUSE OF THE ORDER IN WHICH THE MODULES THAT COMPRISE THE RELOCATABLE ARE ARRANGED. YOU CAN RUN LINDX ON THE LIBRARY $DBMS1 IF YOU WANT TO USE LINK TO LOAD %RDBAP.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057877 Product: DS/1000-IV 91750A 23.01

Keywords: DM VIOLATION

One-line description:
DINIT DM'S IF OPERM IS NOT SCHEDULED IN THE SESSION NODE

Problem:
AT A.83 (2301), DINIT WAS ENHANCED TO ENFORCE THE REQUIREMENT THAT OPERM AND RSM MUST BE SCHEDULED IN SESSION NODES. THIS REQUIREMENT WAS ALWAYS TRUE, BUT DINIT NEVER CHECKED BEFORE NOW. HOWEVER, IF OPERM IS NOT SCHEDULED, DINIT WILL DM.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057885 Product: DS/1000-IV 91750A 23.01

One-line description:
DINIT GETS CONFUSED IF IT CANNOT FIND SHUTDOWN COMMAND FILE

Problem:
IF DINIT IS SCHEDULED TO SHUTDOWN, TAKING ITS INPUT FROM A COMMAND FILE (I.E., "RUN,DINIT,FILENM"), AND THE FILE NAME DOES NOT EXIST, DINIT LEAVES DS-1000/4 IN AN UNUSABLE, IRRECOVERABLE STATE.

Temporary solution:
AS A WORKAROUND, YOU CAN START UP AND THEN SHUT DOWN DS AGAIN. HOWEVER, YOU WILL LOSE ABOUT 25

CLASS NUMBERS IN THE PROCESS. REBOOTING CURES ALL.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057893 Product: DS/1000-IV 91750A 22.26

One-line description:
DINIT DOES NOT PERMIT TOTALLY FREE FORMAT INPUT

Problem:
DINIT'S READ BUFFER IS ONLY 80 CHARACTERS LONG. THIS MEANS THAT IF YOU FORMAT YOUR INPUT FOR THE NRV TO MATCH THE WAY THE PROMPT STRING IS LAID OUT (NODE NUMBER, LU NUMBER, AND THE WORKS), SOME INFORMATION WON'T REALLY BE READ IN.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057919 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
RQCNV AND RPCNV DM WHEN RUNNING LOG3K TO LOG 1000/3000 MESSAGES

Problem:
RQCNV AND RPCNV DM WHEN RUNNING LOG3K TO LOG 1000-3000 MESSAGES WITH THE 1000 AS THE SLAVE WHEN MORE THAN 48 WORDS OF DATA ARE LOGGED. THIS IS BECAUSE RQCNV (THE DS-1000/4 PROGRAM THAT CONVERTS 3000 MESSAGES INTO 1000 FORMAT) DOES NOT HAVE A LARGE ENOUGH BUFFER TO HOLD THE ENTIRE MESSAGE THAT NEEDS TO BE LOGGED. IN THE PROCESS, PART OF RQCNV'S CODE GETS OVERWRITTEN WITH DATA, CAUSING RQCNV TO ABORT. THE SYMPTOMS MAY VARY, DEPENDING UPON THE DATA, BUT RQCNV WILL HAVE PROBLEMS ONCE ITS CODE IS OVERWRITTEN. RPCNV (THE REPLY CONVERTER) HAS THE SAME PROBLEM.
DO NOT LOG MORE THAN 48 WORDS OF DATA WHEN LOGGING PTOP MESSAGES. RQCNV AND RPCNV SHOULD BE ABLE TO HANDLE THE HEADER AND APPENDAGE ONLY.

Fix information:
TO BE FIXED AT REV B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057927 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
LOG3K OVERWRITES THE LAST WORK OF THE APPENDAGE FOR PSI

Problem:
WHEN LOGGING DS 1000-3000 MESSAGES USING LOG3K, THE LAST WORD OF THE APPENDAGE IS OVERWRITTEN WITH THE FIRST WORD OF THE USER'S DATA. THIS IMPACTS THE LOGGING FOR THE PSI LINKS ONLY. THIS IS BECAUSE D$WLG MOVES THE DATA IN THE MESSAGES INTO THE LOGGING AREA IMPROPERLY. IT STARTS THE DATA AT THE LAST WORD OF THE APPENDAGE, INSTEAD OF THE LAST WORD OF THE APPENDAGE +1.
USE THE 3000 TRACES (DSDUMP) FOR DEBUGGING INFORMATION NORMALLY LOGGED IN THE LAST WORD OF THE APPENDAGE.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057935 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
RMOTE MOVE OPTION DOES NOT MOVE TYPE 1 OR 2 FILES

Problem:
RMOTE MOVE OPTION DOES NOT MOVE TYPE 1 OR TYPE 2 FILES TO THE 3000 PROPERLY. WHEN IT ENCOUNTERS AN EOF OR SOF (-12) ERROR IT ABORTS THE MOVE AND DOES NOT WRITE THE LAST SET OF RECORDS TO THE 3000 FILE. ALSO, RMOTE DOES NOT READ ANY INFORMATION FROM THE EXTENTS.
DO NOT MOVE TYPE 1 OR 2 FILES WITH RMOTE.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057950 Product: DS/1000-IV 91750A 23.01

Keywords: DS/1000 TO 3000

One-line description:
QUEX(PSI) DOES NOT PASS ON MULTIPLE MESSAGES IN ONE BUFFER

Problem:
QUEX FOR THE PSI CARDS DOES NOT PASS ON MULTIPLE MESSAGES IN ONE COMMUNICATIONS BUFFER WITH THE DATA. WHEN THE 3000 SENDS MORE THAN ONE DS MESSAGE IN A SINGLE COMMUNICATION BUFFER AND ONE OF THE MESSAGES HAS DATA IN IT, QUEX WILL NOT HANDLE THE MESSAGE PROPERLY. QUEX OVERWRITES THE FIRST WORD OF THE DATA AREA WITH THE LU OF THE HP 3000. IN ADDITION, IT DOES NOT SET UP A LOCAL BUFFER PROPERLY SO THE LOGGING ROUTINE MISINTERPRETS THE MESSAGE. THE DS MESSAGE NEVER GETS TO ITS DESTINATION, AND BOTH SIDES OF THE APPLICATION WILL HANG, EACH WAITING FOR A MESSAGE FROM THE OTHER SIDE. THIS IS MOST COMMONLY SEEN IN PTOP APPLICATIONS.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057968 Product: DS/1000-IV 91750A 23.01

One-line description:
RFAM COULD LOOP ON INITIALIZATION

Problem:
IF RFAM WAS CALLED UPON TO CALCULATE THE NUMBER OF FILES IT COULD OPEN CONCURRENTLY WITHOUT SWAPPING DCB'S, RFAM COULD LOOP FOREVER TRYING TO INITIALIZE THIS BUFFER AREA. THIS COULD HAPPEN IF THE LOAD POINT FOR RFAM AND THE PROGRAM SIZE IS JUST RIGHT. IF THIS HAPPENS, SIZE RFAM TO A DIFFERENT SIZE WITH THE "SZ" COMMAND.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057976 Product: DS/1000-IV 91750A 22.13

Keywords: DS/1000 TO 3000

One-line description:
BLOCK MODE RUNNING RMOTE TO THE 3000 DOES NOT WORK AT 2213

Problem:
VIEW APPLICATIONS RUNNING OVER RMOTE TO A 3000 DO NOT WORK PROPERLY WITH REV. 2213 OF DS-1000/4. THE DATA BUFFERS FOR PRINTS TO THE TERMINAL ARE BEING ALTERED BETWEEN THE TIME THEY ARE LOGGED ON THE 3000 AND WHEN THEY ARE LOGGED ON THE 1000.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057984 Product: DS/1000-IV 91750A 21.26

One-line description:
DS REMOTE SESSION TIMER IS NOT CORRECTLY HANDLED

Problem:
1. THE REMOTE SESSION TIMER IS NOT RESET WHEN A SESSION IS ACCESSED. HENCE IN (DEFAULT) 5 HOURS IT IS ATTEMPTED TO BE LOGGED OFF (FOR PTOP ONLY).
2. WHEN THIS TIME HAS ELAPSED THE SESSION IS NOT LOGGED OFF, EVEN IF ALL DS MONITORS ARE PRESENT (IF NO RSM EXISTS).
3. IF A SUBSET OF THE MONITORS (RFAM, PTOPM) ARE PRESENT AND ACTIVE THEN AFTER 5 (DEFAULT) HOURS THE ERROR: DS ERROR: TCB NOT FOUND, POSSIBLE TIMEOUT

STREAM=05600B ORG NODE=XXXX DEST NODE=XXXX
TIME: DAY 60 XX:XX:XX
IS LOGGED EVERY 5 SECONDS (IF BOTH RSM & OPERM ARE ABSENT).

Fix information:
FIXED AT A.83.
1. PTOP STILL DOES NOT RESET IDLE TIMER - MANUAL CHANGED TO SAY SO
2. LOG-OFFS NOW WORK
3. IF NO RSM EXISTS - REMOVE DS TABLE ENTRIES BUT DO NOT ATTEMPT LOCAL LOGOFFS

Signed off 02/22/84 in release 23.01

KPR #: 2200058354 Product: DS/1000-IV 91750A 22.26

Keywords: DS/1000 TO 3000

One-line description:
COPY3K DOES NOT WARN THE USER WHEN IT OVERWRITES A FILE

Problem:
WHEN MOVING A FILE FROM THE 1000 TO THE 3000 USING THE RMOTE "MO" COMMAND, AND THAT FILE NAME ALREADY EXISTS ON THE 3000, NO WARNING MESSAGES ARE PRODUCED TO SAY THAT THE FILE IS BEING OVERWRITTEN. THE ORIGINAL FILE ON THE 3000 IS DESTROYED WITHOUT A SINGLE MESSAGE.

Signed off 02/22/84 in release 23.01

KPR #: 5000000992 Product: DS/1000-IV 91750A 23.01

One-line description:
REMAT cannot broadcast to more than 16 sessions at a time

Fix information:
Problem corrected at C.83.

Signed off 02/17/84 in release 23.40

KPR #: 5000001784 Product: DS/1000-IV 91750A 00.00

One-line description:
RFAM does not release DCB areas correctly.

Cause:
When certain errors occured in RFAM, RFAM would not clean up allocated resources (RFAMDs were left allocated, files might be left open)

Fix information:
RFAM now keeps track when it allocates resources. After an error occurs it deallocates any resources that were allocated with respect to this error.

KPR #: 5000002832 Product: DS/1000-IV 91750A 23.01

One-line description:
Remat error 56 on PU command from transfer file.

Cause:
In the code for processing the PU command, the calling sequence to internal subroutine ASCHK is incorrect. The parameter type must be passed in the B register, but is passed in the A register by the code. The fact that interactive execution of the PU command worked is purely accidental. The fix for the code is as follows:

source line: 2693 change from 'LDA CP1' to 'LDB CP1'

Source product: 91750-18159 %REMAN Rev. 2301

Fix information:
The suggested change to the code has been made and will be included in the 2401 PCO.

Signed off 03/19/84 in release 24.01

KPR #: 5000005173 Product: DS/1000-IV 91750A 23.01

One-line description:
Remat aborts with I001

Problem:
REMAT ABORTS WITH I001 IF $SL,LU,LU IS ENTERED WHERE LU IS A DISC LU NOT IN SST.

Cause:
REMAT set the no abort bit in this case, however, a flag was set in the E register as to whether an abort should occur. REIO was then called, which on older systems used to save the E register, but this is no longer the case.

Fix information:
REMAT now saves the flag in a memory location before calling REIO. Release date unknown.

KPR #: 5000006783 Product: DS/1000-IV 91750A 23.26

One-line description:
GNODE does not check the state of DS/1000-IV

Problem:
GNODE is not valid before DS is initialized

Cause:
GNODE returns the node number from #NODE. #NODE is set to 0 when DS is not initialized, which is a valid node.

Fix information:
#NODE will now be set to -1 when ever DS is not initialized, thus GNODE will return a -1 when DS is not initialized.

KPR #: 5000007344 Product: DS/1000-IV 91750A 00.00

One-line description:
SUBROUTINES HELLO & BYE DO NOT DEALLOCATE RESOURCES

Problem:
The subroutines HELLO and BYE which control programmatic access to the HP3000 do not always deallocate their resources when using DS/DSN over X.25. In particular, if the HELLO timesout, the virtual circuit that was allocated from the pool is not returned to the pool and it is shown as active. At this point the HP3000 can show an active session from the HP1000 even though the HELLO returned an error code. If the HP3000 simply did not respond, the circuit will be shown as closed, but again it will not be returned to the pool. Similiar problems are seen with the BYE routine.

Fix information:
Problem to be corrected at A.84.

Signed off 02/22/84 in release 24.01

KPR #: 5000007716 Product: DS/1000-IV 91750A 00.00

One-line description:
SAM JAMS IN 1000 - 3000 DS

Cause:
Occasionally, when doing an PTOP between an HP1000 and an HP3000 over the X.25 network, the HP1000 master program goes into buffer limit suspend on the write virtual circuit lu to the HP3000.

Fix information:
A new meaning has been added to a bit in the time-out word of the master TCB. Bit 8 in this word now indicates the TCB has timed out. When the time-out counter expires and rolls over to set this bit a time-out message will be sent to the master program. Subsequent runs of UPLIN will check this bit and know a time-out message has been sent and no others will be sent.

Signed off 03/12/84 in release 24.01

KPR #: 5000016600 Product: DS/1000-IV 91750A 23.26

One-line description:
A change for the DINIT program.

Problem:
DINIT ignores optional timeout parameter when building the NRV

Cause:
DINIT does not save the timeout value properly for nodes other than the local node.

Fix information:
DINIT handles the time out value properly for all nodes.

KPR #: 5000025262 Product: DS/1000-IV 91750A 00.00

One-line description:
UNDEF IN DS SYSTEMS WITHOUT LINKS TO A 3000

Problem:
When generating DS/1000-IV into an rte-6/vm system, the entry point FC4FL will appear as an undefined external, if the system does not include ds to an HP3000.

Cause:
FC4FL is a flag which is set then the HP1000 receives an "FCONTROL 4" request from a program on an HP3000. The entry point is resolved by the ds library $D3KLB, but the library when there are no HP3000 links, $DSLB3, is missing this entry point.
This same problem exists for rte-IVB, rte-a, and rte-MIII

Temporary solution:
In a gen for a system which only contains links to other 1000's, this undefined external maybe ignored.

Fix information:
$DSLB3 now has a dummy entry point to resolve this reference.

Signed off 07/11/84 in release 24.01

KPR #: 5000043950 Product: DS/1000-IV 91750A 23.40

One-line description:
RSM written as a subroutine instead of a program

KPR #: 2200051235 Product: E/F MICROPROGRAMMING 92061A .

Keywords: MICROCODE

One-line description:
MDEP 'LC' COMMAND REJECTS VALID ENTRY POINTS

Problem:
IF AN ENTRY POINT IS DEFINED WITH THE "LC" COMMAND WHICH IS NOT A LEGAL E-SERIES ENTRY POINT, BUT IS A LEGAL F-SERIES ENTRY POINT, THE COMMAND IS REJECTED FROM MDEP AS AN ILLEGAL ENTRY POINT.

Cause:
THE MICROPROGRAMMING REFERENCE MANUAL STATES ON PAGE 10-3 THAT ALL CONTROL MEMORY ADDRESSES FROM 2000-37777 OCTAL ARE VALID.

Temporary solution:
AVOID WRITING MICROCODE WHICH ORIGINS TO F-SERIES ONLY ENTRY POINTS. USE AN E-SERIES LOCATION (OR USER AREA) FOR DEBUGGING AND REDEFINE THE ORIGIN WHEN THE MICRO-CODE IS COMPLETE.

Fix information:
MANUAL WILL BE UPDATED.

KPR #: 2200002352 Product: EDIT MANUAL 92074 MANUAL 22.13

Keywords: EDIT/1000

One-line description:
EDIT on RTE-XL/A delays second status request

Problem:
EDIT Rev 2213 in an RTE-XL Rev C.82 environment requires 10 carriage retuirn/line feeds (CR/LF) on non-HP Terminals. Whereas one CR/LF is required for standard HP-terminals.

Cause:
When EDIT runs, it sends an escape ^ status request to determine if terminal is an HP26XX. If incorrect status is returned, another escape ^ is sent. If incorrect status is sent again, screen mode is not allowed. On previous RTE-XL/A rev's and current RTE-6, the second status is sent after a single character (CR/LF) is issued from terminal. RTE-XL and RTE-A Rev 2213 ($ED1KL), now wait for 10 characters (normal word count of status returned by HP terminal) before issuing second status.

Fix information:
Non-HP terminal should have driver type of 01.

KPR #: 2200030320 Product: EDIT MANUAL 92074 MANUAL 23.26

Keywords: EDIT/1000

One-line description:
Edit corrupting file when disc crn full

Problem:
If the user attempts to use the ER command when there is no more room available on the cartridge, the editted file can become corrupted. The EDIT/1000 documentation does not explain how to recover.

Fix information:
Tech Pubs: Text on page 3-11 changed in the Edit/1000 Manual (part no. 92072-90001) to read:
Note: Using the ER command, EDIT overwrites a file until it reaches the END OF FILE or the disc space becomes full. If EDIT overwrites the original, a file extent may be created. Should a file extent extend beyond the storage capacity of the disc, EDIT will report the error: "Ran out of disc space <file name>". This message signals that you have corrupted the original file.
To recover:
1. Use the FCS command to close the source file. Do not exit EDIT, otherwise your scratch file may be purged.
2. Use the RUN command for CI or FMGR.
3. Free disc space so that you can replace a file.
4. Exit from your program.
5. Use ER to overwrite a file or EC to create a new one.

These changes will be included at A.85.

KPR #: 5000003111 Product: EDIT MANUAL 92074 MANUAL 23.26

Keywords: EDIT/1000

One-line description:
EDIT cannot merge its own file

Problem:
If the user has declared an EDIT file, makes changes to it, and then subsequently wishes to reread part of the original file into the work area, the command is rejected. The error reported is that the file is already open.

Fix information:
The EDIT user can enter the FCS command, which closes the source file. Then a merge from the source file will work. The documentation will be updated to reflect this.
To be fixed at A.85.

KPR #: 2200001081 Product: EDIT/1000 92074A 22.13

Keywords: EDIT/1000

One-line description:
EDIT fails long lines if C-strap true

Problem:
Editor fails long lines if Strap-C true.
EDIT/1000 will, if you go into screen mode with the end of line wrap inhibited (strap-C set true), fail to indicate that lines are extended when they are more than 78 characters long, and on reread into the work space the extension of the lines are treated as independent lines.

Fix information:
To be fixed at A.85

KPR #: 2200001966 Product: EDIT/1000 92074A 22.13

Keywords: EDIT/1000 MULTIPOINT

One-line description:
Q-command doesnot work at multipoint terminals

Fix information:
To be fixed at A.85

KPR #: 2200003384 Product: EDIT/1000 92074A 21.40

Keywords: EDIT/1000

One-line description:
Screen mode anomolies in EDIT/1000

Fix information:
To be fixed at A.85

KPR #: 2200004226 Product: EDIT/1000 92074A 22.13

Keywords: EDIT/1000 DM VIOLATION

One-line description:
Edit aborts when a certin UNDO is performed

Problem:
EDIT computes the number of words in the last UNDO page incorrectly, so that UNDO's on more than 150 lines can cause EDIT to abort.

Temporary solution:
Note that recovery mode will recover the original file (before the change) plus some of the changes. There may be extra lines in the recovered file.

Fix information:
To be fixed at A.85

KPR #: 2200005249 Product: EDIT/1000 92074A 22.13

Keywords: DOCUMENTATION ERRORS

One-line description:
Incorrect library specified in loader file for EDIT/1000

Problem:
Incorrect information is described in EDIT/1000 manual appendix A.

Temporary solution:
Change #ED1K4 to $ED1K4.

Fix information:
To be fixed at A.85.

KPR #: 2200007617 Product: EDIT/1000 92074A 22.13

Keywords: EDIT/1000 SWAPPING MUX-8 CHANNEL

One-line description:
EDIT loses data when doing screen mode reads on a busy system.

Fix information:
This was a problem in the mux driver(IDM00) and will be fixed at A.85.

KPR #: 2200017806 Product: EDIT/1000 92074A .

Keywords: EDIT/1000

One-line description:
Control-S with continue lines fails

Problem:
Doing a control-S while in screen mode with a long line (>78 char) causes next screen to begin at wrong line. Next screen begins at place desired plus number of lines that exceed 78 characters.

KPR #: 2200022822 Product: EDIT/1000 92074A .

Keywords: EDIT/1000

One-line description:
Colon disappears in screen mode position 79

Problem:
When reading back in screen mode the first page of the attached form the last character on a line (:) disappears.

Fix information:
To be fixed on A.85.

KPR #: 2200024000 Product: EDIT/1000 92074A .

Keywords: EDIT/1000

One-line description:
EDIT executes commands incorrectly.

Fix information:
To be fixed at A.85

KPR #: 2200029538 Product: EDIT/1000 92074A .

Keywords: EDIT/1000

One-line description:
EDIT/1000 commands "Q" and "O" with HP 1000 multipoint

Problem:
Commands "Q" and "O" don't work on terminal with multipoint (2626).

Fix information:
To be fixed at A.85.

KPR #: 2200052738 Product: EDIT/1000 92074A 21.01

Keywords: INSTALLATION

One-line description:
EDIT/1000 COMMAND STACK LISTING IS INCORRECT

Problem:
THE COMMAND STACK DOES NOT LIST CORRECTLY IF A COMMAND IS ENTERED THAT ENDS IN AN UNDERSCORE (_).
EXAMPLE: RUN EDIT AND ENTER: F/SOME_LABEL
F/SOME_
F/LABEL
THE COMMAND STACK LISTING WILL RUN THE LAST TWO LINES TOGETHER. THIS IS DUE TO THE WAY THAT DVR05 PROCESSES UNDERSCORES IN THE LAST CHARACTER POSITION.

Fix information:
To be fixed on A.85.

KPR #: 2200053074 Product: EDIT/1000 92074A 21.26

One-line description:
EDIT/1000 CANNOT LOCK 2621 KEYBOARD ON SCREEN READ

Problem:
WHEN DOING A SCREEN READ FROM THE 2621, EDIT/1000 IS UNABLE TO LOCK THE KEYBOARD. THIS CAN CAUSE CORRUPTION OR LOSS OF DATA.

Cause:
EDIT/1000 SENDS AN <ESC> LOWER CASE "C" TO DISABLE THE KEYBOARD. THE 2621, HOWEVER, DOES NOT HAVE

FIRMWARE TO RECOGNIZE THIS COMMAND.
ADD THE FOLLOWING TEXT TO PAGE 3-43, AFTER THE FIRST PARAGRAPH:
NOTE THAT EDIT NORMALLY LOCKS THE TERMINAL KEYBOARD DURING THE SCREEN WRITES AND READS. HOWEVER, THE HP2621 A/P TERMINAL DOES NOT HAVE THIS LOCKING FEATURE, SO YOU MUST BE CAREFUL NOT TO STRIKE ANY KEYS WHILE EDIT IS READING OR WRITING A SCREEN (AS, FOR EXAMPLE, AFTER ENTERING CNTRL Q).

Temporary solution:
DO NOT STRIKE KEYBOARD DURING SCREEN READS. A WARNING TO THIS EFFECT WILL BE ADDED TO THE USER'S MANUAL.

Fix information:
TO BE FIXED IN THE EDIT/1000 USERS' GUIDE AT THE A.85 UPDATE.
Text added to page 3-44 in Edit/1000 Manual (part no. 92074-90001).
"Note: that the HP 2621 terminal does not support keyboard locking, be careful not to strike any keys while the screen is being written to or read. Change made for A.85.

KPR #: 2200053835 Product: EDIT/1000 92074A 21.26

One-line description:
Q EDITS NOT COMPATIBLE WITH 2626 TERMINAL ON MULTIPOINT

Problem:
WHEN DOING A Q EDIT ON THE 2626 TERMINAL ON MULTIPOINT, A SPACE IS INSERTED BEFORE THE EDITED LINE. THIS IS TRUE WITH THE LATEST 2626 FIRMWARE.

Cause:
WHEN DOING A Q EDIT ON A 2645, A GS IS PUT BEFORE THE LINE IN COL. 1. ON THE 2626, THE GS DOES NOT APPEAR AND A BLANK IS THERE INSTEAD. THE BLANK GETS PUT IN THE EDITED LINE.

Fix information:
Fix date unknown.

KPR #: 2200057398 Product: EDIT/1000 92074A 21.40

One-line description:
EDIT FINDS PHANTOM CHARACTERS WITH THE @ OPTION

Problem:
IF YOU DO THE FOLLOWING SET OF COMMANDS WITH EDIT/1000, YOU SHOULD BE ABLE TO FIND ALL LINES WITH LENGTH GREATER THAN 72 CHARACTERS.

```
1               GO TO LINE 1
SEWC 73,150     SET THE WINDOW TO COLUMNS 73 - 150
F/@/A           SEARCH FOR ANYTHING
```

IN FACT, EDIT DISPLAYS ALL LINES OF 72 CHARACTERS OR MORE, RATHER THAN ALL LINES 73 CHARACTERS OR MORE.

Fix information:
To be fixed on A.85.

KPR #: 5000004333 Product: EDIT/1000 92074A 00.00

Keywords: EDIT/1000

One-line description:
EDIT DOES NOT UPDATE LENGTH FOLLOWING KILL LINES OPERATION.

Fix information:
Fixed at C.83

Signed off 07/05/84 in release 23.40

KPR #: 5000004481 Product: EDIT/1000 92074A 00.00

Keywords: EDIT/1000

One-line description:
Documentation of EDIT/1000 run string scratch cartridge spec. is wrong.

Fix information:
Text changed on page 2-34 of the Edit/1000 Manual (part no. 92074-90001) to reflect the correct runstring for specifying where to to place the scratch file. This will changed for A.85.

KPR #: 5000005561 Product: EDIT/1000 92074A 00.00

Keywords: EDIT/1000

One-line description:
Comment line in EDIT command file will turn off "quiet mode".

Problem:
If doing an edit with a command file in quiet mode, any comment line will turn off the quiet mode

Fix information:
Fixed at C.83.

KPR #: 5000005579 Product: EDIT/1000 92074A 00.00

Keywords: EDIT/1000

One-line description:
Unsuccessful find in EDIT will turn off "quiet mode".

Problem:
When doing an edit with a command file in quiet mode, any "find" type command that is unsucessful will turn off quiet mode.

Fix information:
Fixed at C.83.

KPR #: 5000011429 Product: EDIT/1000 92074A 00.00

Keywords: EDIT/1000 SCRATCH FILES

One-line description:
"Work File Error" due to improper scratch file naming.

Problem:
IN RTE-A WITH THE NEW (CI) FILESYSTEM EDIT CREATES A SCRATCH FILE OF THE FORM EDI0X+0000000.EDIT::SCRATCH . WHERE THE X IN THE PREVIOUS FILE-DESCRIPTOR IS REPLACED WITH THE LAST CHARACTER IN THE CLONED COPY OF EDIT'S NAME. THIS CAUSES A NON UNIQUE WORK FILENAME TO EXIST IF TWO COPIES OF EDIT HAVE THE SAME LAST CHARACTER.

Fix information:
To be fixed on A.85.

KPR #: 2200000307 Product: FORTRAN 4X 92834A 21.40

Keywords: FTN4X

One-line description:
FTN4X gives no error on 'DE' without security code

Problem:
CLOSE STATEMENT DOES NOT RETURN ERROR CODE WHEN AN ATTEMPT IS MADE TO DELETE A FILE WHICH WAS ORIGINALLY OPENED WITH AN INCORRECT SECURITY CODE.

Fix information:
Fix date unknown.

KPR #: 2200003749 Product: FORTRAN 4X 92834A 23.03

Keywords: FTN4X

One-line description:
Compiler loops on arithmatic IF containing 100000B

Fix information:
Fix date unknown.

KPR #: 2200006643 Product: FORTRAN 4X 92834A 23.01

Keywords: FTN7X

One-line description:
DOCUMENTATION ERROR ON THE SUPPORT OF FTN4X

Temporary solution:

FORTRAN 4X is indeed supported under RTE-6/VM. The June 1984 edition of the Software Data Book and the May 1, 1984 edition of the Ordering and Compatibility Guide have been updated to reflect this.

KPR #: 2200016287 Product: FORTRAN 4X 92834A .

Keywords: EMA

One-line description:
EM82 error when passing by reference EMA arrays to subroutines

Problem:
A program which passes different EMA COMMON arrays into a subroutine more than once will generate an EM82 error at the first executable statement which references that array.

Temporary solution:
Use integer arrays.

Fix information:
Fix date unknown.

KPR #: 2200018614 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
FTN4x direct file access does not always work with LGBUF

Temporary solution:
Call LGBUF and make the formatter buffer size equal to the record size of the random access file. If the program contains additional read or write statements with different record sizes, modify the buffer size via additional LGBUF calls.

Fix information:
Fix date unknown.

KPR #: 2200018879 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
Error 99 from FTN4X when different sectors/track

Problem:
An error 99 ("unable to access scratch tracks") is returned when FTN4X attempts to access system available tracks on an auxiliary disc (LU 3) on a different type of disc than the system disc (LU 2).

Cause:
If system disc has more sectors/track than auxiliary disc and no system tracks are available on LU 2, FTN4X returns a "cannot access scratch files" error. Apparently, the code does not check for sectors/track on LU 3.

Fix information:
Fix date unknown.

KPR #: 2200019240 Product: FORTRAN 4X 92834A .

Keywords: PARAMETERS

One-line description:
Data and parameters still give large buffers with FTN4X

Fix information:
Fix date unknown.

KPR #: 2200021345 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
Miltiple block data progs in single source duplicate DBL records

Problem:
If multiple block data programs are all in a single source file, the compilers may retain DBL records from one to the next. This can cause

dead space to be included in the program's memory image.

Temporary solution:
Compile programs as separate source files.

Fix information:
Fix date unknown.

KPR #: 2200024604 Product: FORTRAN 4X 92834A .

Keywords: EMA

One-line description:
Misleading EMA page requirements

Problem:
FTN4X generates a "default EMA" condition when used with MLLDR, while FTN7X does not. Also, MLLDR reports different page requirements for EMA than do WHZAT or the FMGR SZ command when the D option or other mix of options is used with MLLDR.

Fix information:
Fix date unknown.

KPR #: 2200025759 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
INQUIRE returns invalid status

Problem:
INQUIRE will return EXIST = .FALSE. if the incorrect security code is specified and no cartridge reference number is supplied. However, if the CRN is correct and the security code incorrect, EXIST is returned .TRUE.

Fix information:
Fix date unknown.

KPR #: 2200026591 Product: FORTRAN 4X 92834A .

Keywords: FTN4X HOLLERITH

One-line description:
HOLLERITH STATEMENTS EX. 6HABCDEF DON'T COMPILE CORRECTLY

Problem:
Using a hollerith constant in a DATA statement doesn't work.

Cause:
The following code:

```
FTN4X,L
      PROGRAM TEST
      DIMENSION I(3)
      DATA I/6HABCDEF/
      END
```

causes a compiler error 20 on the DATA statement. Using a hollerith constant greater than 8H causes a compiler error 73.

Temporary solution:
Use the 'xxx' construct instead of the nH construct for hollerith constants in a DATA statement.

Fix information:
Fixed in revision 2303.

Signed off 04/10/84 in release A23.03

KPR #: 2200027466 Product: FORTRAN 4X 92834A .

Keywords: COMPLEX

One-line description:
FTN4X incorrectly calculates complex subscripts.

Problem:
The line

```
     X(K(I)) = (X(K(I))/A(K(I),K(I))
```

works incorrectly when all integers are INTEGER*4 (but works correctly when they are INTEGER*2). Further, the three lines

```
     Y = X(K(I))
     B = A(K(I),K(I))
     X(K(I)) = Y/B
```

produce correct numbers.

Temporary solution:
Break up the calculation, or use INTEGER*2.

Fix information:
Fix date unknown.

KPR #: 2200028266 Product: FORTRAN 4X 92834A .

Keywords: FTN4X FORMAT

One-line description:
FNT4X Formatter causes program memory protects

Problem:
A FORTRAN program which simply prints out a complex variable in D-format can memory protect, even though it works fine under FTN4 and FTN77.

Fix information:
Fix date unknown.

KPR #: 2200028878 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
FTN FORMATTER DOESN'T HANDLE G5.0 FORMAT PROPERLY

Problem:

FORTRAN FORMATTER does not handle G5.0 fromat properly.
Runtime error 491 generated on READ when "d" parameter in "G" format is 0.

Temporary solution:
Replace G5.0 with G5.1.

Fix information:
Fix date unknown.

KPR #: 2200029116 Product: FORTRAN 4X 92834A .

Keywords: REAL NUMBERS

One-line description:
CMPLX works only for real arguments

Problem:
According to RTE FORTRAN 4X Reference Manual (page 6-16), "CMPLX" may have 1 or 2 arguments. In case of 1 argument, it may be type integer, real, double precison, or complex. And in case of 2 arguments, they may be of type integer, real, or double precision. "CMPLX", however, works correctly only when it takes 2 real type arguments. (See sample program list and RTE FORTRAN 4X Reference Manual copy.) Notice: On table 6-1 (page 6-10), "CMPLX" may have 2 arguments and their types are real.

Fix information:
Fix date unknown.

KPR #: 2200031237 Product: FORTRAN 4X 92834A .

Keywords: FTN4X

One-line description:
Double integer DO loop index runaway

Problem:
A double integer DO loop can run away because the compiler generates a .DCO call to check the index. If the limit on the DO loop is the largest possible number (77777B) or the smallest (177777B), the index will never be greater than this number and the compare will never take the "index limit" branch.

KPR #: 2200051011 Product: FORTRAN 4X 92834A 20.26

Keywords: OPEN

One-line description:
FTN4X MANUAL INCORRECTLY REPORTS 'RECL' IS IN WORDS IN OPEN CALL

Problem:
MODULE: FTN4X REF MANL PART: 92834-90001
THE OPEN CALL EXAMPLE ON THE BOTTOM OF PAGE 5-12 IN THE FORTRAN 4X REFERENCE MANUAL, STATES INACCURATELY THAT THE RECORD LENGTH 'RECL' IS MEASURED IN WORDS. THIS IS NOT TRUE, 'RECL' IS SPECIFIED IN CHARACTERS. NOTE THAT ON PAGE 3-56 WHEN DESCRIBING THE PARAMETERS OF THE

OPEN CALL, THE MANUAL CORRECTLY STATES THAT 'RECL' IS MEASURED IN CHARACTERS.

Fix information:
Fix date unknown.

KPR #: 2200051672 Product: FORTRAN 4X 92834A 21.01

Keywords: FORMAT

One-line description:
LEADING ZERO ON REPEAT SPECIFICATION CAUSES ERROR 493

Problem:
IN A FORMAT STATEMENT, USING A LEADING ZERO ON A REPEAT SPECIFICATION WILL CAUSE A RUNTIME ERROR 493 (ILLEGAL CHARACTER).

Temporary solution:
AS A WORKAROUND, USE A LEADING BLANK INSTEAD OF A LEADING ZERO.

Fix information:
Fix date unknown.

KPR #: 2200051953 Product: FORTRAN 4X 92834A 21.01

Keywords: READ

One-line description:
UNFORMATTED READS CAUSE ERRORS AFTER DIRECT ACCESS FILE READ

Problem:
A PROGRAM DOES A READ FROM A DIRECT ACCESS FILE SPECIFYING THE RECORD NUMBER CORRECTLY. ALL UNFORMATTED READS DONE FROM THE STANDARD INPUT DEVICE LATER IN THE PROGRAM ARE COMPILED INCORRECTLY WITH AN ERROR 18 (ILLEGAL COMBINATION OF KEYWORDS). UPON EXAMINATION, NO CODING ERRORS CAN BE FOUND.

Cause:
THE FORTRAN 4X COMPILER DOES NOT RESET ITS INTERNAL FLAG CORRECTLY AFTER PROCESSING THE RECORD NUMBER SPECIFICATION IN THE DIRECT ACCESS FILE READ.

Temporary solution:
AS A WORKAROUND, USE FORMATTED READS ONLY.

Fix information:
Fix date unknown.

KPR #: 2200052100 Product: FORTRAN 4X 92834A 20.30

Keywords: COMPLEX

One-line description:
INCORRECT ADDRESS CALCULATION WITH COMPLEX ARRAYS

Problem:
FTN4X WILL NOT CORRECTLY MULTIPLY AN INTEGER CONSTANT TIMES AN ARRAY ELEMENT WHEN STORED TO ANOTHER ARRAY ELEMENT. THE ARRAYS HAVE BEEN PASSED TO THE SUBROUTINE AS PARAMETERS.

Cause:
THE ADDRESS OF THE ARRAY ELEMENT BEING MULTIPLIED IS DESTROYED BY THE JSB TO .ICPX (MLIB). .ICPX FAILS TO SAVE THE B REGISTER.

Fix information:
Fix date unknown.

KPR #: 2200052233 Product: FORTRAN 4X 92834A 21.01

Keywords: DM VIOLATION

One-line description:
DM VIOLATION UPON REFERENCE TO VARIABLE WITH 5 OR MORE SUBSCRIPTS

Problem:
IF A PROGRAM REFERENCES AN ARRAY WITH FIVE OR MORE SUBSCRIPTS THE PROGRAM IS ABORTED WITH A DM VIOLATION. A PROGRAM WITH A SIX OR SEVEN SUBSCRIPT ARRAY WILL CAUSE THE COMPUTER TO LOOP INDEFINITELY OR GET AN ERROR 57 WHILE COMPILING A LINE REFERENCING AN ELEMENT OF THAT ARRAY.

Cause:
FOR ARRAYS WITH 4 OR FEWER SUBSCRIPTS THE ADDRESS WITHIN THE ARRAY IS ACCUMULATED IN THE A REGISTER BY A SERIES OF ADDITIONS. FOR 5 OR MORE SUBSCRIPTS A SERIES OF MULTIPLICATIONS AND ADDITIONS IS ACCUMULATED IN THE A REG AND THEN A LDA 0,I IS USED TO GET THE VALUE. HOWEVER THE VALUE IN THE A REG. IS WRONG AND THE VALUE RETRIEVED IS ERRONEOUS.

Fix information:
Fix date unknown.

KPR #: 2200052670 Product: FORTRAN 4X 92834A 21.01

Keywords: DM VIOLATION

One-line description:
A CALL TO AN INTRINSIC THEN TO PCOUNT IN A SUBROUTINE DM'S FTN4X

Problem:
IF A SUBROUTINE CALLS AN INTRINSIC FUNCTION THEN CALLS A PARAMETERLESS FUNCTION LIKE 'PCOUNT' THE FTN4X COMPILER

WILL DM. AS A WORKAROUND, CALL PCOUNT FIRST BEFORE CALLING THE INTRINSIC.

Fix information:
Fix date unknown.

KPR #: 2200052878 Product: FORTRAN 4X 92834A 20.30

Keywords: ENCODE

One-line description:
ENCODE PADS INTERNAL RECORDS WITH BLANKS

Problem:
THE MANUAL DOES NOT INDICATE THAT THE FTN4X FORMATTER PADS OUT INTERNAL RECORDS WITH BLANKS IF FEWER THAT 'C' CHARACTERS ARE SPECIFIED BY THE FORMAT SPEC. THUS 'C' CHARACTERS ARE ALWAYS WRITTEN.

Temporary solution:
BE CERTAIN THAT THE OUTPUT BUFFER IS AT LEAST 'C' CHARACTERS IN LENGTH.

Fix information:
Fix date unknown.

KPR #: 2200053058 Product: FORTRAN 4X 92834A 20.30

Keywords: FILES

One-line description:
NEW FILE WITH EXTENTS NOT PURGED WHEN CLOSED

Problem:
IF A NEW FILE IS CREATED USING THE FTN4X OPEN STATEMENT WITH STATUS='NEW' AND EXTENTS ARE CREATED DURING I/O, AND THEN THE FILE IS CLOSED WITH STATUS='DELETE', THE FILE IS NOT PURGED IF EXTENTS ARE CREATED.

Fix information:
Fixed at 2126 REVISION.

KPR #: 2200056085 Product: FORTRAN 4X 92834A 21.40

Keywords: EMA

One-line description:
DO NOT PASS AN EMA ARRAY BY REFERENCE IN FORTRAN 4X

Problem:
YOU CANNOT PASS AN EMA VARIABLE BY REFERENCE UNDER FTN4X, BUT YOU CAN WITH FTN7X.

Temporary solution:
SE A $EMA STATEMENT AND DECLARE COMMON IN THE SUBROUTINES.

Fix information:

fIX DATE UNKNOWN.

KPR #: 2200057372 Product: FORTRAN 4X 92834A 00.00

Keywords: ABORT

One-line description:
FTN4X ABORTS ON ERRONEOUS DECLARATION

Problem:
```
FTN4X ABORTS WITH DM OR MP ON THE FOLLOWING CODE:
SUBROUTINE NAM(PARAM)
DOUBLE PRECISION PARAM
DCODE(1,PARAM,I)5
RETURN
```

Cause:
THERE IS A CODING ERROR IN THE DECLARATION OF PARAM. PARAM SHOULD BE DECLARED AS A FORMAT STATEMENT LABEL. HOWEVER FTN4X SHOULD JUST ISSUE AN ERROR AND SHOULD NOT ABORT.

Fix information:
Fix date unknown.

KPR #: 2200058412 Product: FORTRAN 4X 92834A 22.26

Keywords: FORMAT

One-line description:
I3.0 FORMAT IS INCONSISTENT WITH MANUAL

Problem:
IN THE FORTRAN 4X MANUAL IT STATES ON PAGE 4.7 THAT A I3.0 FORMAT FOR A ZERO WILL OUTPUT AS ALL BLANKS. IT IN FACT RESULTS IN A: ' 0'. THIS IS TRUE FOR FTN7X ALSO. THE CUSTOMER WNTS IT TO PRINT ' ' AS STATED IN THE MANUAL.

Fix information:
Fix date unknown.

KPR #: 2200028977 Product: FORTRAN 4X MANUAL 92834 MANUAL 23.26

Keywords: FTN4X

One-line description:
Scratch file not purged

Problem:
A file created with an OPEN statement using "STATUS=SCRATCH" is not deleted when the program is terminated with an EXEC 6.

Fix information:
FORTRAN I/O statements and EXEC calls should not be intermixed. This will be documented better. Documentation change date unknown.

KPR #: 2200000315 Product: FORTRAN 77 92836A 23.01

Keywords: FTN7X EXTENTS MLIB

One-line description:
Inability to write or read type 1 file extants with ftn77

Problem:
WRITING/READING DIRECT RECORDS TO EXTENDED TYPE 1 FILES CAUSES FTN77 REAL TIME ERROR 512: EOF OR SOF ERROR.

Fix information:
Fixed at 2310.

Signed off 04/11/84 in release M23.10

KPR #: 2200000588 Product: FORTRAN 77 92836A 21.21

Keywords: FTN7X

One-line description:
Address of a variable in equivalence stm. not properly calculated

Problem:
THE ADDRESS OF A VARIABLE IN EQUIVALENCE STATEMENT WITH OFFSET GREATER THAN 32767 WORDS IS IMPROPERLY CALCULATED.
EXAMPLE:

```
FTN7XQ
SEMA /AA/
      PROGRAM TEQ
      COMMON /AA/ A(40000)
      EQUIVALENCE (RA,A(20000) ! OK IF SUBSCRIPT <16385
      INTEGER*4J
      DO 10 J=1,40000
10    A(J)=J
      WRITE (1,'("RA=",F12.6)')RA
      END
```

RA SHOULD BE 20000, BUT IT IS 36384

Fix information:
Fixed at B.83.

KPR #: 2200000752 Product: FORTRAN 77 92836A 22.26

Keywords: FTN7X

One-line description:
Character variables cannot be initialized with data statement

Problem:
Character variables cannot be initialized with data statements. Save statements in procedures seem to work fine, however any character variables declared locally to the procedure cannot be initialized with data statements. No error occurs when both data and save are used but character variables contain nulls rather than values they were initialized to.

Temporary solution:
Put all character variables that need to be initialized into a block data subprogram.

Fix information:
This problem is fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200000919 Product: FORTRAN 77 92836A 23.01

Keywords: FORMAT MLIB

One-line description:
Round off error can occur using FORTRAN "F" format

Problem:
Data printed out using FORTRAN "F" format can have a round off error, where data is rounded down rather than up.

Fix information:
This problem in $MLIB1 was fixed at Rev. 2310.

Signed off 04/11/84 in release M23.10

KPR #: 2200001321 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Compiler space overflow problems

Problem:
A FORTRAN subroutine will not compile if there are too many symbols in the subroutine. For example, a subroutine had >500 EMA double integer variables declared and would not compile.

Cause:
The compiler has ~7000 words available for the symbol table & temporary variables. Each EMA symbol takes 11 words of this space.

Fix information:
To be fixed at A.85.

KPR #: 2200001404 Product: FORTRAN 77 92836A 23.01

Keywords: FTN7X

One-line description:
Runtime error 488 not documented

Problem:
Runtime error 488, generated from a FTN7X compiled program, is not documented in the manual.

Cause:

Presumably this is the same error as 488 in Fortran 4X (REC parameter is negative).

Fix information:
This error has been documented at C.83.

Signed off 03/16/84 in release C23.40

KPR #: 2200001446 Product: FORTRAN 77 92836A 22.26

Keywords: FTN7X

One-line description:
FTN7x compiler handling of null characters

Problem:
Programs with Null characters (000000) at the end of a write statement compiles correctly, however run time errors occur during execution. Compiler should ignore nulls or convert to blanks.

Temporary solution:
Workaround: Use EDIT to convert Nulls to blanks.

Fix information:
Fixed in A.84.
FTN7X currently allows null characters to appear within strings and Hollerith fields (they are illegal elsewhere).

Signed off 09/11/84 in release F24.01

KPR #: 2200001842 Product: FORTRAN 77 92836A 21.21

Keywords: FTN7X

One-line description:
"Contact your HP representative" error on reasonable source

Problem:
A "contact your HP service representative" error occurs compiling source code that seems reasonable.

Fix information:
This source code did not generate this error with revision 2340 of the compiler.

Signed off 04/11/84 in release C23.40

KPR #: 2200002204 Product: FORTRAN 77 92836A 22.26

Keywords: FTN7X

One-line description:
FTN7x rev 2226 Compiler error

Problem:
Revision 2226 FTN7X generates a "report to HP" compiler error.

Fix information:
The compiler generates an error 28 for this code at rev. 2340.

Signed off 04/11/84 in release C23.40

KPR #: 2200002832 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Mishandling of intrinsic routine PCOUNT in ANSI 66 mode

Problem:
When in ANSI 66 mode, if a program declares the intrinsic routine PCOUNT to be INTEGER*2, FTN7X will not treat a reference to PCOUNT as an intrinsic but as an external.

Cause:
Apparently, the type declaration causes FTN7X to 'forget' that PCOUNT is an intrinsic and generates a 'JSB PCOUNT' where PCOUNT is an external. FTN7X should just ignore the type declaration of PCOUNT. Note that if the program is being compiled in ANSI 77 mode, FTN7X acts correctly (ignores the type declaration and treats PCOUNT as an intrinsic).

Fix information:
Fixed in A.84.
FTN7X was treating INTEGER*2 as an illegal type for PCOUNT, so it assumed that it must be external. Now, FTN7X treats both INTEGER*2 and INTEGER*4 as legal type for PCOUNT, and it will treat it as an intrinsic (as it should).

Signed off 09/11/84 in release F24.01

KPR #: 2200002931 Product: FORTRAN 77 92836A 23.01

Keywords: FTN7X

One-line description:
Implied DO in equivalence statement fails

Problem:
Page 3-53 in the FTN7X manual states that implied do loops are legal in equivalence statements. This is not the case.

Temporary solution:
WORKAROUND: Equivalence the array element-to-element or column-for-column.
E.G. Equivalence (ARRAY(1,4),COLUMN1)
(ARRAY(2,4),COLUMN2)
.
.
.
ETC.

Fix information:

This has been corrected for the 2340 manual release.

Signed off 03/16/84 in release C23.40

KPR #: 2200003004 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
EMA arrays handled incorrectly by Fortran in RTE-A/VC+ with CDS on.

Problem:
There appears to be a critical bug in EMA handling in VC+. The following program will abort with an EM82 error.

```
ftn7x,l
$cds on
$ema /xx/
      program test1
      common /xx/ x(4,52,52)
      call sub1(x)
      end
      subroutine sub1(x)
      dimension x(4,52,52)
      ema x
      x(4,52,52) = 1.0
      return
      end
```

Cause:
FTN7X is using the wrong subscripts when it sets up its call to .IMAP. The problem can also occur with two subscripts - if the first is much smaller than the second, the program will abort with an EM82 error; if the second is smaller than the first, the assignment statement in the subroutine will get the wrong value. Note that this only occurs when passing an EMA array to a subroutine in CDS mode.

Fix information:
Fixed in C.83.

Signed off 03/16/84 in release C23.40

KPR #: 2200003590 Product: FORTRAN 77 92836A 22.26

Keywords: FTN7X MLIB

One-line description:
FTN7X internal file reads error if unformatted

Problem:
When doing an 'internal file' read from an uninitialized character string, no error results, but subsequent READ statements do not work correctly.

Fix information:

Fixed in A.84.

KPR #: 2200003913 Product: FORTRAN 77 92836A 23.40

Keywords: FTN7X

One-line description:
Compiler produces incorrect code

Problem:
The fortran compiler produces incorrect code in the situation shown in the following assignment statement:

```
   Character*(*) old(*)
   Integer old_lengths(*)
   Integer this, ind
   ind = INDEX('...$1...',old(this)[:old_lengths(this)])
```

Cause:
The problem occurs when any expression (in this case an array element) is used to define the substring of a string array. FTN7X uses temporary variables for evaluating the expression and for building the substring of the string array element. In this case, it re-uses one of those temporaries for two jobs.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200004358 Product: FORTRAN 77 92836A 23.26

Keywords: EMA

One-line description:
EMA variables not accessed correctly.

Problem:
If you look at the code generated for the following program, using a mixed code listing, you will find that variable subscripts are accessed correctly, but numeric subscripts fail. This resulted in the program not running correctly. The code for the .IMAP call is incorrect, and is actually a DEF to <startofprog>+0.

```
FTN7X,I
EMA /BIG/
PROGRAM CHRIS
      COMMON /BIG/ X(6,1000)
      X(6,10) = 1.0
      I = 1
      J = 1
      X(I,J) = 1.0
      CALL SUBR(X,1000)
      ...etc

SUBR (X,N)
      EMA X(6,N)
      X(6,10) = 1.0
```



```
      I = 1
      J = 1
      X(I,J) = 1.0
      RETURN
      END
```

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200004549 Product: FORTRAN 77 92836A 22.26

Keywords: FORMAT

One-line description:
FORMAT specification Iw.0 prints '0' rather than ' ' when variable = 0

Fix information:
Fixed at revision 2340.

KPR #: 2200004697 Product: FORTRAN 77 92836A 23.01

Keywords: FTN7X

One-line description:
Runtime error 487 is not documented.

Fix information:
This has been documented on page A-22 of the 2326 FTN7X manual.

Signed off 03/16/84 in release 23.26

KPR #: 2200005256 Product: FORTRAN 77 92836A 22.26

Keywords: DOCUMENTATION ERRORS

One-line description:
FTN7X load file not clear

Problem:
FTN77 loader file is not appropriate for RTE-6/VM.

Fix information:
This was fixed in B.83.

Signed off 10/07/83 in release 23.26

KPR #: 2200005439 Product: FORTRAN 77 92836A 22.21

Keywords: SCRATCH FILES MLIB

One-line description:
Fortran does not allow control over destination of scratch files

Problem:
Open (77,access=`Direct, RECL=80,Status=`Scratch`). Attempts to open

scratch file on cartridge at head of list rather than as specified by VL command.

Fix information:
Fixed in A.84.
FTN7X will now attempt to create the scratch file on the directory /SCRATCH. If this fails, it will then use the LU pointed to by the $SCRN entry point (set by the VL command). This brings FTN7X into conformity with the standard sequence for creating scratch files.

KPR #: 2200006031 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Compiler error on run time format

Problem:
COMPILER ERROR REPORT TO HP MESSAGE OCCURED DURING COMPILATION OF THE FOLLOWING SUBROUTINE

```
      SUBROUTINE SUB(IA)
      WRITE(1,IA)
      END
```

Cause:
FTN7X is treating the variable IA as if it contained a statement number (which is correct), but, it's losing one level of indirection when it uses the variable. This causes it to pick up garbage for the format statement.

Temporary solution:
Error goes away if IA is included in a dimension statement

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200006213 Product: FORTRAN 77 92836A 23.26

Keywords: RTE-A FTN7X

One-line description:
DOUBLE PRECISION REAL CALCULATION ON AN A700+HFP SOMETIMES FAILS

Problem:
DOUBLE PRECISION REAL CALCULATION ON AN A700 WITH A HARDWARE FLOATING POINT SOMETIMES FAILS WITH EXPONENT EQUAL TO 0.
SEE NEXT SAMPLE PROGRAM:
FTN7X,L,M

```
      PROGRAM TEST
      REAL*8 D,D1
      DATA D/1.0D0/
      I=1
      DO J=1,10000
      D1=DBLE(FLOAT(I))
      IF(D.NE.D1) WRITE(1,*) D,D1
```



```
      ENDDO
      END
```

ESTIMATED FAILURE RATE IS 1/2000=0.05% AND ALWAYS PRINTS EXPONENT OF D1 IS EQUAL TO 0. WE VERIFYED THIS PROBLEM ON TWO MICRO-27.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200006221 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Multiple calls to IBITS and ISHFT give error 17.

Problem:
Calls to IBITS or ISHFT in a large EMA program get error 17 although syntax is correct. Smaller test programs don't have this problem.

Fix information:
Fixed at C.83.

Signed off 04/11/84 in release C23.40

KPR #: 2200006544 Product: FORTRAN 77 92836A 23.26

Keywords: DOCUMENTATION ERRORS

One-line description:
A non-existent intrinsic function is defined in FORTRAN 77 manual

Problem:
There is a documentation error on page B-8 of FORTRAN 77 Reference Manual Update 2. "I=icount()" should be "I=PCOUNT()".

KPR #: 2200006619 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Program MPs when passing NAMED-COMMON to SUBROUTINE.

Fix information:
Fixed at C.83.

Signed off 04/11/84 in release C23.40

KPR #: 2200006627 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X MLIB

One-line description:
Implied DO-LOOPS in FORTRAN file write gives error 546.

Problem:

Fortran "write" statement to a file with an implied do loop fails with a run time error 546 (greater than 255 entents).
The file had no extents and was a type 2.
For example, "WRITE (100,10,IOSTAT=IOST,REC-I) (IBUF (J),J=1,10)" will generate a run time error 546 (IOST).

Cause:
The bug was actually in the formatter routine .EIO. which wasn't saving a value in a global area as it was supposed to.

Fix information:
The formatter routine .EIO. was fixed for A.84.

KPR #: 2200007278 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
CROSS REFERENCE listing has errors.

Problem:
When compiling a subprogram with a cross reference specified, some symbols have a reference to the same line number. This problem only occurs when passing a character variable to a subroutine.

Fix information:
Fixed at C.83.

Signed off 07/05/84 in release F24.01

KPR #: 2200007591 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Compiler errors with DATA when DATA statements follow assignments.

Problem:
When an executable statement appears before or between any DATA statement(s), configuration errors may occur later in the program.

Fix information:
Fixed at C.83.

Signed off 04/11/84 in release C23.40

KPR #: 2200007856 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
If char. variable appears in >1 ENTRY statement, get internal error

Problem:
If a character variable appears as a parameter in more than one ENTRY statement (or a SUBROUTINE/FUNCTION statement and an ENTRY statement),

the compiler aborts with an internal error.

Cause:
This only occurs when the same character variable appears more than once.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200008094 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X MLIB

One-line description:
Error 460 reported when opening multiple scratch files in FTN7X.

Problem:
If a program tries to open a second direct access scratch file, an error 460 is reported. If the second scratch file is not direct access, the error does not occur.

Fix information:
Fixed at C.83.

Signed off 04/11/84 in release M23.40

KPR #: 2200008243 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Compiler generates bad code when using DECODE.

Problem:
When using DECODE, and the #characters in the buffer is variable, it is possible for FTN7X to doubly use the temporary storage location that holds the length of the buffer.

Cause:
The compiler sets up a temporary location to hold the length of the buffer. Erroneously, FTN7X sets up the temporary value as a constant rather than a variable value. Since it is considered a constant, other sections of code may be set up to use that value. However, when the actual length of the buffer is calculated, the temporary value is changed and the 'constant' changes value. This could cause a variety of errors (or no errors) depending on where and if the constant value is used.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200008565 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Passing ext. name thru a subr. to another subr. doesn't work (CDS only)

Problem:
With CDS on, FTN7X doesn't handle properly the case where a procedure is passed to a routine as a parameter, and then passed to another routine. For example:

```
      External Proc
      call Sub1(Proc)
      ...
      Subroutine Sub1(proc)
      call Sub2(proc)
      ...
      Subroutine Sub2(proc)
      call Proc()
```

With CDS off, this code works okay.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200008631 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Constant gets overwritten with EMA transparency on

Problem:
PROBLEM DESCRIPTION: The following routine gives incorrect results:

```
FTN7X,E,I
    INTEGER *2 FUNCTION REC (I,N)
     INTEGER *2  N,I (3,N)
     J=3
     WRITE (1,*) J
     REC=3
     RETURN
     END
```

Both J and the function value REC are incorrect.

Fix information:
Fixed at revision 2401. --JY

KPR #: 2200008953 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
'E' option doesn't work with 'call sub(i+1,i+2)' on RTE-A(w.o.CDS),6/VM

Problem:
FTN7X 'E' OPTION DOES'T WORK ON RTE-6/VM WITH SUBROUTINE CALL.

Cause:
SAMPLE PROGRAM IS AS FOLLOWS:

```
 FTN7X,L,E
       PROGRAM EOPTION                SUBROUTINE SUBA(I,J)
       INTEGER IA(10),I,J             WRITE(1,*) I,J
       I=1                            RETURN
       J=2                            END
       IA(I)=I
       IA(J)=J                        expected data is
       CALL SUBA(I,J)                    1,2
       CALL SUBA(I+1,J+1)                2,3
       END                            however printed data is
                                         1,2       -- good
                                         5620 5670 -- incorrect
```

THIS ALSO FAILS ON RTE-A WITH '$CDS OFF'.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200009118 Product: FORTRAN 77 92836A 22.26

Keywords: FTN7X

One-line description:
Single and double precision complex SQRT return different answers

Problem:
When calculating the square root of a complex number in double precision versus single precision, principle roots returned by double precision are opposite in sign to those of single precision. Regardless of which principle root is returned the two methods should agree.

Cause:
Single precision and double precision square roots call different routines, with different results (sign change).

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200009126 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Errors on program lines with labels may produce carriage controls.

Fix information:
This has been fixed in A.85 revision of the compiler. -j.y.

KPR #: 2200009829 Product: FORTRAN 77 92836A 23.40

Keywords: COMMON

One-line description:
BAD ADDRESS IN DEBUG SYMBOL RECORD FOR COMMON BLOCK ALIASED TO 0.

Fix information:
THIS WILL BE FIXED AT REVISION A.85 FTN7X. -J.Y.

KPR #: 2200011197 Product: FORTRAN 77 92836A 22.40

Keywords: EMA

One-line description:
Please report to HP error when using ema parameters in an char function.

Fix information:
This has been fixed in the C.83 version of the fortran compiler. -jy

---

KPR #: 2200011635 Product: FORTRAN 77 92836A 23.26

Keywords: FIRMWARE

One-line description:
Incorrect Square root calculation (sqrt).

Temporary solution:
USE Double precision (Real* 8) and "DSQRT".

Fix information:
This is a firmware bug which has been fixed in the next release of the SIS firmware for the A-series.

KPR #: 2200012054 Product: FORTRAN 77 92836A 23.40

Keywords: CDS

One-line description:
PROBLEM WITH VARIABLY DIMENSIONING AN ARRAY PASSED INTO A SUBROUTINE

Temporary solution:
1) Have constant dimensioned arrays in subroutine instead of using a value passed from the main program.
2) With CDS off, there is no problem at all.

Fix information:
THIS HAS BEEN FIXED IN THE 2501 REVISION OF FTN7X.

KPR #: 2200014001 Product: FORTRAN 77 92836A 23.26

Keywords: EMA

One-line description:
Expression arguments not passed correctly with E option on.

Fix information:

This bug will be fixed in the A.85 compiler. j.y.

KPR #: 2200014134 Product: FORTRAN 77 92836A 23.26

Keywords: EMA

One-line description:
Report to HP error when using an ema variable in an expression.

Fix information:
This will be fixed in the a.85 revision of the compiler. j.y.

KPR #: 2200014142 Product: FORTRAN 77 92836A 23.40

Keywords: PARAMETERS

One-line description:
"REPORT TO HP" MESSAGE ON PASSING STATEMENT NUMBERS ASSIGN TO VARIABLES.

Problem:
ADDITIONAL INFORMATION: When a variable is assigned a statement number in a main program, passed to a subroutine as a parameter and the variable is used as as format specification parameter of READ/WRITE statements in the subroutine, FTN7X compiler causes compile error with "Please report to HP" message. This error does not occur when:
1) Compiled by FTN4X (Rev. 2303) or new FTN7X (Rev.2401)
2) The assigned variable used only in main
3) The assigned variable is shared by COMMON instead of passing as a parameter.
4) The assigned variable used as a parameter of GOTO statements.
This problem is important on program conversion from FTN4X to FTN 77.

Temporary solution:
SE WORKAROUND: Share the statement number by COMMON instead of passing it as a parameter.

Fix information:
THIS WAS FIXED IN THE A.84 FTN7X.

KPR #: 2200014761 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
FTN7x only has line number to 9999

Problem:
Fortran 7x compiler will not write line numbers (of original source) greater than 9999 into list file. Lines > 9999 are label ?? instead.

Cause:
Line numbers above 9999 are printed as a MOD of 10000.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 2200015966 Product: FORTRAN 77 92836A 23.40

Keywords: STRINGS

One-line description:
CANNOT PASS CHARACTER ARGUMENTS CORRECTLY IN CDS PROGRAMS.

Problem:
FTN7X fails to pass character variables to
subroutines correctly when CDS & EMA transparency are used.

Temporary solution:
Use save statement on all character variables in all
subroutines.

Fix information:
THIS HAS BEEN FIXED IN THE A.85 FORTRAN COMPILER.

KPR #: 2200017640 Product: FORTRAN 77 92836A .

Keywords: DS 1000 FILES

One-line description:
INQUIRE to local file with DS directive leaves file open of RFAM

Problem:
An INQUIRE command that accesses a file at the local node from a FTN7X program with directive $FILES(1,1,DS) causes the file to be left open to RFAM. The same program with files directive $FILES (1,1) will not leave the file open.

Cause:
The DS DXCLO routine requires a second parameter while the FMP CLOSE routine does not. FTN7X was not supplying the second parameter and DXCLO was just ignoring the call. Note that this also fails if the file is on a remote node.

Temporary solution:
Use the REMAT FL command to close the file to RFAM.

Fix information:
Fixed in C.83.

Signed off 03/16/84 in release C23.40

KPR #: 2200018549 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
UNARY MINUS FAILS IN CHARACTER SUBSTRING

Problem:
FTN7X incorrectly rejects an integer expression beginning with
a unary minus as a character substring specifier.
str(1:-ix) generates an erroneous error 17 as soon as the '-' is

encountered (see attached)

Fix information:
The problem is fixed @B.83.

Signed off 10/05/83 in release 23.26

KPR #: 2200020404 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
No compiler syntax error on improper function usage

Problem:
If brackets are missing from an intrinsic function argument, the compiler generates a reference to a non-existent external causing L-IL REL message to be given at program load time.

Fix information:
This problem was fixed at revision 2301.

Signed off 04/11/84 in release 23.01

KPR #: 2200022061 Product: FORTRAN 77 92836A .

Keywords: INFINITE LOOP COMPILER ERROR

One-line description:
Compiler infinite loops if program contains IF(.NOT.LGE('A','A')) GOTO90

Problem:
FTN7X compiler infinite loops if the program contains
"IF(.NOT.LGE('A','A') GO TO 90

Cause:
When the lexical comparison functions are preceded by the .NOT. operator in an IF statement, the compiler infinite loops (on one instruction?). The problem does not occur if .NOT. is not used, or if it isn't the 'first' thing in the expression, or if the expression is used in an assignment statement. It occurs whether or not the values used are constants or variables.

Fix information:
The problem is fixed @B.83.

Signed off 10/05/83 in release 23.26

KPR #: 2200022111 Product: FORTRAN 77 92836A .

Keywords: WRITE

One-line description:
Substring used in WRITE produces wrong results

Problem:
WRITE statement with a (character) substring concatenation does not

produce correct results rather then generating a compiler error as it should be.

Fix information:
The problem is fixed @B.83.

Signed off 10/05/83 in release 23.26

KPR #: 2200023937 Product: FORTRAN 77 92836A .

One-line description:
BLOCK IF STATEMENT GENERATES CODE INCORRECTLY

Problem:
The block IF statement described in the FTN7X manual on pages 3-72 through 3-75 does not function as described. The ELSE clause does not appear to be handled correctly.

Fix information:
FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200025874 Product: FORTRAN 77 92836A .

One-line description:
Syntax error generated by FTN7X when compiling bit masking expression

Problem:
A bit masking expression is not correctly recognized by the FTN7X compiler when used in a parameter statement. For example,

```
    parameter (j = .not. 377B)
```

generates compiler error 56.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200026310 Product: FORTRAN 77 92836A .

Keywords: READ

One-line description:
Read statement unit number gives unexpected errors

Problem:
A READ statement with a unit number that is not connected to a file (e.g. not in your SST nor used in any OPEN statement) normally gives IOSTAT=579 and the program transfers execution to the error label. However, with some unit numbers, unexpected errors occur.
For example,
When unit is 400 or 514 or 515, the program aborts with runtime error I001.
When unit is 513, the program reads from the terminal.
When unit is 512, the program probably reads from the input buffer belonging to a previous READ statement (if any).

Fix information:
Fixed in the B.83 revision of FTN7X.
LU's greater than 255 will always generate an I001 error in the B.83 revision.

KPR #: 2200026948 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
Cannot direct FTN7X output when using "-" wildcard

Problem:
Example at bottom of page 7-7 does not work. Customer wants sources on one CRN, relocatables on another, etc. Cannot do this with the default option.

Cause:
Specifying '-::<crn>' in the runstring just ignores the '::<crn>' and puts the file on the same crn as the source.

Temporary solution:
Specify explicit filenames and CRN's.

Fix information:
Fixed in C.83 for RTE-6.

Signed off 03/16/84 in release C23.40

KPR #: 2200027417 Product: FORTRAN 77 92836A .

Keywords: WRITE

One-line description:
List directed output does not allow options

Problem:
Outputting a character type variable using list directed output (* format) limits the line length to 72 characters. Extra characters are put on the next line.

Fix information:
Fix date unknown.

KPR #: 2200028951 Product: FORTRAN 77 92836A .

One-line description:
Integer Format output incorrect

Problem:
Programs as follows:

```
    FTN7,L
         Program Test
         IN=0
         WRITE (1,10) IN
      10 Format (1X, I6.0)
```

```
        END
```
Displays a zero for the value of IN. According to Fortran 77 manual page 4-13, a set of 6 blanks should have resulted. (not 5 blanks and a '0')
This problem did not exist prior to rev 2226.

Fix information:
Fixed in C.83.

Signed off 03/16/84 in release C23.40

KPR #: 2200029231 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
Fortran 77 Save statement doesn't work correctly.

Problem:
When using the SAVE statement, variables don't get updated correctly.

Temporary solution:
As a workaround, don't use the SAVE statement.

Fix information:
Fixed at revision B.83

KPR #: 2200029306 Product: FORTRAN 77 92836A .

One-line description:
Substring assignment in character array produces compiler disaster

Problem:
Compiler error at: 1/004174B *** Please report to HP ***
error produced when performing a substring assignment into a character array.

Fix information:
Fixed at revision B.83

KPR #: 2200030841 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
FTN7X CHARACTER ARRAY SUBSTRING COMPILER ERROR

Problem:
COMPILER SHOULD REPORT SYNTAX ERROR. INSTEAD COMPILER GETS AN ERROR.
EXAMPLE:
```
      FTN7X,L,M
      SUBROUTINE FOO
      CHARACTER*20 S(10),T
      T=S*(3)(1)
      END
```

Fix information:
Fixed in B.83.

Signed off 12/01/83 in release B83.00

KPR #: 2200031096 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
Undocumented FTN7X compiler error

Problem:
A comma in source code where a colon should have been used generates an undocumented compiler error--"Contact your HP service representative."

Fix information:
This has been fixed at rev. 2340.

Signed off 04/11/84 in release C23.40

KPR #: 2200031195 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
Missing parenthesis cause undocumented error in FTN77

Problem:
The compiler does not know how to handle a missing set of parentheses when assigning a portion of a large string to a smaller string. The larger string in this example is one of an array of strings. e.g.
```
        SIXCHAR = EIGHTYCHAR(2)(INDEX+2):(INDEX+7)
```
this statement gives the following error:
```
  *** Compiler error at : I/O 03754B ***
```

Fix information:
The compiler generates an ERROR 17 for this error at rev. 2340.

Signed off 04/11/84 in release C23.40

KPR #: 2200031914 Product: FORTRAN 77 92836A .

Keywords: FORTRAN 4

One-line description:
Assignment of character value to REAL*6 is incorrect

Problem:
A six character Hollerith constant assigned to a REAL*6 variable is not assigned correctly. The sixth character is a null.
For the following code:
```
      REAL*6 A
      A = 6HABCDEF
```
Fortran assigns the three words as:
```
   word 1:  AB
   word 2:  CD
   word 3:  Enull   (0 in the last byte of word 3)
```

Fix information:
Fixed in C.83.

Signed off 03/16/84 in release C23.40

KPR #: 2200031989 Product: FORTRAN 77 92836A .

Keywords: FTN7X

One-line description:
A**B**C evaluated incorrectly for constant A,B,C

Problem:
Expressions of the form A**B**C, where A, B, & C are named constants, may not be calculated correctly. For example, A-C*E/G**W**Y doesn't produce the correct result when A, C, E, G, W, & Y are named constants.

Fix information:
This is being re-classified as "Not a bug" after further investigation. The problem is that, in

```
z1 = x**1.0
```

and

```
y = 1.0
z2 = x**y
```

z1 will not necessarily equal z2. This is because x**1.0 is optimized to x, while x**y (when y=1.0) becomes, in the library routines, exp(log(x)), which is rarely equal to x. This is just the difference between compile-time and run-time calculations, both of which are accurate, although different.
Each of the test cases that failed were a form of this difference.

Signed off 03/15/84 in release C23.40

KPR #: 2200032177 Product: FORTRAN 77 92836A .

One-line description:
Common statement before type can cause wrong code.

Problem:
When declaring a character type at the start of a common declaration, the compiler does not include it in the common block, but sets its starting address at 77777B. The program may still run, but usually a memory violation occurs.

Fix information:
Fixed as of B.83.

Signed off 12/01/83 in release B83.00

KPR #: 2200032326 Product: FORTRAN 77 92836A .

One-line description:
Compiler error using array element name in file specificatin of opn stmt

Problem:
OPEN(33,FILE=a(1,5),... is incorrect

OPEN(33,FILE=a,... is correct
The syntax charts imply that an array element may be used, but this is not correct.
This is a manual bug. The integer array specified in the 'FILE=' parameter must be the entire array, not just an element. The syntax charts imply that an array element may be used, but this is not correct.

Fix information:
Fix date unknown.

KPR #: 2200055822 Product: FORTRAN 77 92836A 21.21

Keywords: COMPILER ERROR

One-line description:
FTN7X ABORTS WITH LU01 ERROR WHEN SOURCE, LIST, OUTPUT LU'S SPOOLED

Problem:
IF THE SOURCE, LIST, AND OUTPUT FILES ARE SPECIFIED AS LU'S AND THE LU'S HAVE BEEN SPOOLED INTO FILES VIA THE 'SL' COMMAND, FTN7X WILL ABORT WITH AN LU01 ERROR.

Fix information:
Fix date unknown.

KPR #: 2200056309 Product: FORTRAN 77 92836A 21.21

Keywords: FORMAT

One-line description:
USING LIST DIRECTED INPUT, THE R* CONVENTION DOES NOT WORK

Problem:
WHEN USING THE R* CONVENTION ON LIST DIRECTED INPUT, A FORMATTER ERROR 494 RESULTS. R* SHOULD GIVE R REPEATS OF A NULL CHARACTER.

Fix information:
FIXED IN REVISION B.83.

KPR #: 2200056317 Product: FORTRAN 77 92836A 21.21

Keywords: EMA

One-line description:
EQUIVALENCE OF VARIABLE TO EMA VARIABLE FAILS

Problem:
A PROGRAM USING A LOCAL VARIABLE EQUIVALENCED TO AN EMA VARIABLE CAN ABORT WITH DIFFERENT ERRORS (DM, MP, EM82, ETC.)

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200056333 Product: FORTRAN 77 92836A 21.21

One-line description:
FTN7X EXTENDED PRECISION WITH EXPONENTIATION RESULT IS BAD

Problem:
ERRORS ARE FOUND IN THE EVALUATION OF EXPRESSIONS INVOLVING EXTENDED PRECISION VARIABLES AND EXPONENTIAION. OTHER PROGRAM VARIABLE MAY BE OVERWRITTEN.

Cause:
THE PROBLEMS OCCUR ONLY WITH EXTENDED PRECISION VARIABLES AND EXPONENTIATION. FTN7X CALLS .DTOT, WHICH RETURNS A 4 WORD RESULT, WHICH OVERWRITES THE 3 WORD RESULT EXPECTED.

Temporary solution:
USE 4 WORD DOUBLE PRECISION VARIABLES.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200056358 Product: FORTRAN 77 92836A 22.26

Keywords: COMPILER ERROR

One-line description:
FTN7X PRODUCES ILLEGAL RELOCATABLE

Problem:
THE FTN7X COMPILER PRODUCES AN ILLEGAL RELOCATABLE WHEN COMPILING THE FOLLOWING PROGRAM:

```
    SUBROUTINE PARMS(A,B)
    IMPLICIT NONE
    CHARACTER*1 PARMS
    INTEGER*2 A,B
    IF (PCOUNT().EQ.0) THEN
        PARMS='0'
    ELSE
        IF (PCOUNT .EQ. 1) THEN
            PARMS='1'
        ELSE
            PARMS='2'
        ENDIF
    ENDIF
    END
```

IF PARENS ARE INSERTED AFTER THE SECOND CALL TO PCOUNT, THE COMPILER WORKS CORRECTLY. THE COMPILATION WHICH THE ILLEGAL RELOCATABLE REPORTS NO WARNINGS OR ERRORS.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200056374 Product: FORTRAN 77 92836A 21.21

One-line description:
GO TO INSIDE OF DO WHILE LOOP FAILS IN FTN7X

Problem:
FOR THE FOLLOWING CODE, A MEMORY PROTECT VIOLATION WILL OCCUR WHEN THE GO TO STATEMENT IS EXECUTED.

```
        DO 10 WHILE (I .LT. J)
              .
              .
              .
          GO TO 10
10      CONTINUE
```

Temporary solution:
IMPLEMENT CODE SIMILAR TO THE FOLLOWING.

```
        DO 10 WHILE (I .LT. J)
              .
              .
              .
          GO TO 20
              .
              .
              .
20      CONTINUE
10      CONTINUE
```

Fix information:
Fix date unknown.

KPR #: 2200056382 Product: FORTRAN 77 92836A 22.26

One-line description:
PCOUNT RETURNS INCORRECT VALUE WHEN CALLED FROM CHARACTER FUNCTION

Problem:
WHEN CALLED FROM WITHIN A FUNCTION OF TYPE CHARACTER, PCOUNT RETURNS THE INCORRECT VALUE. IT APPEARS THAT THE VALUE RETURNED IS THE CORRECT VALUE PLUS 1.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200056432 Product: FORTRAN 77 92836A 21.21

Keywords: COMPILER ERROR

One-line description:
FTN7X INCORRECT ERROR MESSAGE: ERROR 50

Problem:
ENDING A DO-LOOP WITH A CONTINUE STATEMENT WHEN IN THE MIDDLE OF AN IF-THEN-ELSE BLOCK PRODUCES AN ERRONEOUS ERROR MESSAGE. FOR EXAMPLE:

```
      DO 10, I = 1, 21, 7
         IF (J .EQ. 4) THEN
10    CONTINUE
         END IF
```

PRODUCES AN ERROR 50 (ILLEGAL LAST STATEMENT OF DO LOOP) INCORRECTLY.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200056598 Product: FORTRAN 77 92836A 22.26

Keywords: COMPILER ERROR

One-line description:
COMPILE ERROR WHEN 'INCLUDE, NAME' WITHIN BLOCK IF

Problem:
COMPILE ERROR 30, IMPROPER NESTING IS GENERATED IF THE '$INCLUDE' DIRECTIVE OR 'INCLUDE' STATEMENT IS CONTAINED WITH A BLOCK 'IF' STRUCTURE. FOR EX.

```
      IF (EXPRESSION) THEN
   $INCLUDE NAMR
      ELSE
      INCLUDE NAMR
      ENDIF
```

Temporary solution:
AS A WORKAROUND, MERGE FILES DIRECTLY INTO PRIMARY SOURCE FILES.

Fix information:
TO BE FIXED IN REVISION B.83

Signed off 10/03/83 in release A23.26

KPR #: 2200056630 Product: FORTRAN 77 92836A 22.26

Keywords: COMPILER ERROR

One-line description:
CROSS REFERENCE FOR CHARACTER TYPE INCOMPLETE

Problem:
A CROSS REFERENCE OF CHARACTER TYPE GENERATES ONLY A PARTIAL LISTING OF LINE NUMBERS. FOR EX.,

```
    SUBROUTINE TEST(I,J)
    CHARACTER * 5 I
    INTEGER * 2 J(10)
    I='AA'
    J=J+1
    END
```

RESULTS IN A CROSS-REFERENCE FOR 'I' ONLY ON THE LINE WITH THE STATEMENT "I='AA'".

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200057075 Product: FORTRAN 77 92836A 21.21

Keywords: COMPILER ERROR

One-line description:
FORTRAN 77 INCORRECTLY PARSES .EQV.

Problem:
AN ERROR 17 IS INCORRECTLY GENERATED AT COMPILE TIME FOR LOGICAL EXPRESSIONS LIKE:

```
    3.LT.-1.EQV..TRUE.
```

Cause:
THE PARSER SEES THE -1.E IN THE EXPRESSION AND THINKS THAT THE .E IS INTRODUCING A REAL EXPONENT.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200057091 Product: FORTRAN 77 92836A 21.21

Keywords: EMA

One-line description:
FILENAME PASSED TO SUBROUTINE IN EMA TRANSPARENCY MODE FAILS IN OPEN

Problem:
IF EMA TRANSPARENCY MODE IS USED, AN OPEN STATEMENT WORKS FINE IN THE MAIN PROGRAM. IF THE FILENAME IS PASSED TO A SUBROUTINE, THEN THE OPEN STATEMENT GENERATES ERROR 515 - ILLEGAL FILE NAME.

Cause:
THE FILE NAME PASSED TO THE OPEN CANNOT BE REFERENCED WITH 32 BIT ADDRESS. THIS SHOULD HAVE BEEN A COMPILE TIME ERROR.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200057315 Product: FORTRAN 77 92836A 22.26

Keywords: COMPILER ERROR

One-line description:
FTN7X GENERATES ERROR ON A COMMENT

Problem:

IF A COMMENT DELIMETER (AN EXCLAMATION MARK - !) IMMEDIATELY FOLLOWS A CHARACTER STRING ASSIGNMENT, THE FTN7X COMPILER WILL REPORT AN ERRONEOUS MISSING CONSTANT OR OPERAND ERROR. FOR EXAMPLE,

```
CHARACTER *(10) INLINE
INLINE = 'STRING'! THIS IS A COMMENT
```

Temporary solution:
PAD A BLANK AFTER THE TERMINATING SINGLE QUOTE IN THE CHARACTER STRING.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200057588 Product: FORTRAN 77 92836A 22.26

Keywords: COMPILER ERROR

One-line description:
FTN7X IMPROPER FIXED MODE WITH DOUBLE INTEGERS

Problem:
A SINGLE (*2) INTEGER VARIABLE RAISED TO A DOUBLE INTEGER POWER GIVES CORRECT ANSWERS, BUT A SINGLE INTEGER CONSTANT RAISED TO A DOUBLE INTEGER POWER PRODUCES INCORRECT RESULTS. FOR EXAMPLE,

```
SIXTN=16
PWR=SIXTN**I
```

GIVES CORRECT RESULTS HOWEVER,

```
PWR=16**I
```

DOES NOT.

Cause:
RESULT OF .ITOJ WAS TAKEN AS INT*2!

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200057752 Product: FORTRAN 77 92836A 22.26

Keywords: UNDEFINED EXTERNAL

One-line description:
FTN77 CAN GENERATE UNDEFINED .IAV., ETC.

Problem:
THE FORTRAN 77 COMPILER CAN GENERATE A REFERENCE TO THE EXTERNAL .IAV. WHICH DOES NOT EXIST IN ANY RTE-A MODULES.

Temporary solution:
AS A WORKAROUND, YOU MUST GET A COPY OF THE RTE-6 SYSTEM LIBRARY $6SYLB.

Fix information:
Fixed in B.83.

Signed off 12/01/83 in release B83.00

KPR #: 2200058156 Product: FORTRAN 77 92836A 22.26

Keywords: ABORT

One-line description:
USING SUBROUTINE NAME AS CHARACTER VARIABLE CAUSES FTN7X COMPILER ABORT

Problem:
WHEN COMPILING THE FOLLOWING CODE:

```
SUBROUTINE SUB
CHARACTER*N SUB
SUB='XXXX'
END
```

THE COMPILER WILL ABORT.

Temporary solution:
AS A WORKROUND, CHANGE THE NAME OF THE SUBROUTINE OR THE VARIABLE NAME.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 2200058388 Product: FORTRAN 77 92836A 21.21

One-line description:
FORTRAN 77 DOUBLE INTEGER EXPONENTIATION PROBLEM

Problem:
WHEN RASING AN INTEGER*2 TO AN INTEGER*4 POWER, THE RESULT IS NEARLY ALWAYS ZERO AND IS CERTAINLY INCORRECT.

Temporary solution:
A POSSIBLE WORKAROUND IS TO MAKE BOTH ARGUMENTS OF THE EXPONENTIATION INTEGER*4

Fix information:
Fix date unknown.

KPR #: 2200058396 Product: FORTRAN 77 92836A 22.08

Keywords: COMPILER ERROR

One-line description:
COMPILER ERROR 1/002754B - PLEASE REPORT TO HP

Problem:
COMPILING THE FOLLOWING CODE CAUSES THE ABOVE ERROR:

```
FTN7X,L
```

```
      SUBROUTINE TEST
      CHARACTER * 20 N(20)
      N(2)(4) = ' '
      RETURN
      END
```

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release A23.26

KPR #: 5000001396 Product: FORTRAN 77 92836A 00.00

Keywords: FTN7X

One-line description:
SAVE statement doesnot work

Problem:
THE SAVE STATEMENT IN FTN7X IN CONJUCTION WITH ARRAYS DIMENSIONED IN EXCESS OF 7X7 COMBINED WITH FORMATTER IMPLIED DO LOOPS DON'T WORK.

Fix information:
This problem was fixed at revision 2340.

Signed off 04/11/84 in release C23.40

KPR #: 5000003400 Product: FORTRAN 77 92836A 00.00

Keywords: FILES MLIB

One-line description:
FORTRAN does not create multiple type 2 scratch files correctly.

Problem:
Fortran can not create multiple type two scratch files if the record length is <> 128 words. The first file will be the correct size, but the following files will have incorrect sizes depending on the record length. The following program will reproduce the problem:

```
FTN7X,L
$FILES 1,20
      PROGRAM CRSL(),RU CRSL,# WORDS IN RECORD,# RECORDS,# FILES
      INTEGER BUFF(5)
      CALL RMPAR(BUFF)
      NR=BUFF(1)*2
      N=BUFF(2)
      NUNIT=50
      DO 1 I=1,BUFF(3)
      NUNIT=NUNIT+1
      OPEN(UNIT=NUNIT,STATUS='SCRATCH',ACCESS='DIRECT',RECL='NR',
     1MAXREC=N,FORM='UNFORMATTED',IOSTAT='IOS')
      WRITE(1,*)I,IOS,NR,N,BUFF(3)
    1 CONTINUE
      PAUSE
      STOP
      END
```


Cause:
If you look at the files created when the program pauses, the sizes are incorrect. If the record length is < 128 each file is 1/2 the size of the previous one; if length is > 128 each file is twice the size of the previous one. If you create 20 scratch files with large record lengths you will rapidly run out of disc space.

Fix information:
Fixed in A.84.
FTN7X was setting up a table incorrectly. This has been fixed.

KPR #: 5000003624 Product: FORTRAN 77 92836A 23.01

Keywords: FTN7X

One-line description:
Possible erroneous code generation in CONDITIONAL IF expressions.

Problem:
FTN7X complier does not handle conditional compile with char. parms. Per the FTN7X reference manual (P/N 92836-90001) on pages 3-72,3-73 the compiler is 'smart' enough to not compile any code for a segment of a block-if construct when the relational expression consists entirely of constants or named constants. This works fine for integer constants and parameters, but fails for character constants or parameters. For characters, the compiler always generates code.

Fix information:
The documentation will be changed to indicate that character parameters do not work in conditional compilations.
Documentation fix date unknown.

KPR #: 5000004952 Product: FORTRAN 77 92836A 23.26

Keywords: FORMAT READ FTN7X
WRITE

One-line description:
ENCODE/DECODE can fail when buffer is in COMMON

Problem:
Code that has worked when compiled with earlier versions of FTN7X is aborting with error 494. If an ENCODE or DECODE is tried with the buffer in COMMON, and the buffer is not the first entry in the COMMON block, the program aborts. Example following....

Code that Works

```
   Program Good
   Common /a/iword,ia,ib,ic
   Read(1,10) Iword
10 Format(a2)
   Decode(2,20,Iword) in
20 Format(I2)
   Write(1,'(a2,i5)') Iword,in
   End
```

Code that Doesn't

```
   Program Bad
   Common /a/ia,iword,ib,ic
   Read(1,10) Iword
10 Format(a2)
   Decode(2,20,Iword) in
20 Format(I2)
   Write(1,'(a2,i5)') Iword,in
   End
```

Cause:
FTN7X is not setting up the offset correctly that points to the character variable. It treats a word offset as a byte offset and ends up using only half the offset it should be. If the offset is zero (the variable is the first thing in the common block), then it works okay (half of zero is zero), but anywhere else comes out wrong.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 5000006007 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
COMPILER ABENDS WITH DATA STATEMENT AFTER ASSIGNMENT STATEMENT.

Problem:
Intermingling DATA and executable statements in a source compiled with the FORTRAN 77 compiler causes a UI on RTE-A.

Fix information:
This problem is fixed at rev. 2340.

KPR #: 5000007823 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X MLIB

One-line description:
Inconsistent results between FORTRAN in 66 and 77 mode.

Problem:
INCORRECT RESULTS ARE OBTAINED WHEN USING THE P FORMAT IN A FORTRAN PROGRAM.

Cause:
THE EXAMPLE BELOW SHOWS THE VALUES PRINTED WHEN THE PROGRAM IS COMPILED USING THE FTN COMPILER IN 77 MODE OR 66 MODE. THE 77 MODE WORKS OK EXCEPT FOR ALL THE LEADING ZEROS AND THE 66 MODE DOESN'T WORK FOR A VALUE OF 0.

```
FTN--,L
      PROGRAM TRY
      A=.1
      B=0.
      WRITE(1,'(2PF4.1)') A,B
      END
```

THE RESULTS OBTAINED FROM THE PROGRAM:

```
IN 77 MODE    10.0  000.

IN 66 MODE    10.0  ****
```

Fix information:

Fixed in A.84.

KPR #: 5000011346 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Assignment to a character array substring fails with CDS on.

Problem:
Customer is trying to put a single character into an element of an array that is character * 80 in type. With CDS ON the program does not work. If the subscript for linea is changed to a constant like 1 the program works. If the subscript for calls is a constant it works. If the variable linea is changed to be single dimensional the program memory protects. With CDS off the program functions correctly. An example follows:

```
            $CDS ON
                  program bug
                  integer calls(2)
                  character * 80 linea(2)
                  data calls /21,26/
                  i=1
                  linea(i) (calls(i):calls(i)) = 'x'
                  end
```

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 5000012047 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
Compiler error at: 6/022414B *** Please report to HP ***

Problem:
Fortran subroutine gets "*** PLEASE REPORT TO HP***" error after a syntax error was found.

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release F24.01

KPR #: 5000014118 Product: FORTRAN 77 92836A 00.00

Keywords: FTN7X

One-line description:
Second scratch file can't be a direct access file

Problem:
When a scratch file of ACCESS='sequential' is created followed

```
by a   scratch file of ACCESS='direct'   , there is a runtime error
of 460: "an OPEN specified direct access, but the file to be opened
        was sequential access (not 1 or 2 file type)."
For example:
$files 0,2
      program scr2
      n2=2
      OPEN(unit=n2,access='sequential',err=2000,status='scratch',
     >      iostat=ios2,maxrec=5000)
      n3=3
      OPEN(unit=n3,access='direct',    err=3000,status='scratch',
     >      iostat=ios3,relc=256,maxrec=5000)
The error exit is taken on the second open.
```

Temporary solution:
Workaround: reverse the order of the OPEN statements.//

Fix information:
Fixed in A.84.

Signed off 09/11/84 in release M24.40

KPR #: 5000014506 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
$ALIAS EXEC,NOABORT causes WARNING 92 at compile time

Problem:
The problem is that EXEC is an "intrinsic" subroutine and is also called implicitely by the compiled code (when no disc files are given in $FILES). Using it in $ALIAS makes it a non-intrinsic, so the compiler sees a conflict between its internal use and the user name.
The documentation will be changed to better explain this situation.

Fix information:
Fix date unknown.

KPR #: 5000016329 Product: FORTRAN 77 92836A 00.00

Keywords: FTN7X

One-line description:
Call HP Representative error message.

Fix information:
This has been fixed in A.85 FTN7X.

KPR #: 5000018853 Product: FORTRAN 77 92836A 23.26

Keywords: CROSS REFERENCE

One-line description:
CROSS REFERENCE LISTING SHOWS INCORRECT LINE NUMBERS

Fix information:

THIS HAS BEEN FIXED IN THE A.84 VERSION OF THE FORTRAN COMPILER.

KPR #: 5000026716 Product: FORTRAN 77 92836A 23.26

Keywords: FTN7X

One-line description:
MULTIPLE INLINE FORMAT STATEMENTS IN CDS GIVES RUNTIME ERROR.

Problem:
THE FOLLOWING PROGRAM SHOWS THE PROBLEM (IN CDS ONLY):

```
  FTN7X,L
  $CDS ON
        PROGRAM TEST
        WRITE (1,'(I4,2X,"ABCDEF",6X,E14.8,2X,I3)')
         .
         . (DUPLICATE THE WRITE ABOVE 350 TIMES)
         .
        END
```

WHEN RUNNING A FORTRAN PROGRAM, A RUNTIME ERROR (491 IN THIS CASE) ERROR OCCURS. WHEN TRACED BACK IN THE USER CODE, THE FORMAT STMT IS CORRECT. IF OTHER FORMAT STATEMENTS ARE ADDED/DELETED TO THE PROGRAM, THE ERROR MIGHT GO AWAY OR MOVE TO ANOTHER FORMAT STMT.

Cause:
SAME PROGRAM IN NON-CDS WORKS OK. IF A MIXED LISTING IS EXAMINED, THE COMPILER GENERATES A 'BREAK' RIGHT IN THE MIDDLE OF EACH FORMAT SPEC. AT SOME POINT, LINK PLACES ITS CURRENT PAGE LINKS IN THIS 'BREAK', THUS PUTTING GARBAGE IN THE MIDDLE OF THE FORMAT SPEC, CAUSEING THE 491 ERROR

Temporary solution:
WORKAROUND: PUTTING THE FORMAT IN A LABELLED FORMAT STMT CAUSES THE COMP ILER TO NOT GENERATE THE 'BREAK' IN THE MIDDLE OF THE SPEC.

Fix information:
This has been fixed in the A.85 version of the compiler.

KPR #: 5000026864 Product: FORTRAN 77 92836A 23.26

Keywords: CROSS REFERENCE

One-line description:
Funny symbol table for block data subprogram.

Fix information:
This will be fixed in A.85 version of the compiler. j.y.

KPR #: 5000033621 Product: FORTRAN 77 92836A 00.00

Keywords: EOF

One-line description:
Error 512 (eof) when trying to open two files and try to read one.

Temporary solution:

Link user program with $FNEWF.

KPR #: 5000036004 Product: FORTRAN 77 92836A 00.00

Keywords: CDS

One-line description:
Problem with passing dimensions to subroutines with cds and e option on.

Problem:
THE 2401 FTN7X COMPLIER (92836A) DOES NOT HANDLE DIMENSIONS PASSED AS PARAMETERS TO SUBROUTINES WHEN CDS IS ON AND EMA TRANSPARENCY IS ON .

Fix information:
This bug has been fixed in the 2501 revision of the Fortran compiler.

KPR #: 2200008920 Product: FORTRAN 7X MANUAL 92836 MANUAL 23.26

Keywords: EMA

One-line description:
IMPLIED DIMENSIONING OF ARRAYS CAN ONLY HANDLE SINGLE WORD INTEGERS.

KPR #: 2200011163 Product: FORTRAN 7X MANUAL 92836 MANUAL 22.26

Keywords: FTN7X

One-line description:
Bad page number in manual.

Problem:
THE FORTRAN 77 MANUAL (DEC 1981) HAS AN ERROR ON PAGE 4-9
IN THE SECOND LAST PARAGRAPH THERE IS REFERENCE TO "INPUT/OUTPUT LIBRARY INTERFACE FUNCTIONS IN CHAPTER 6" SHOULD READ "INPUT/OUTPUT LIBRARY INTERFACE FUNCTIONS IN APPENDIX B".

KPR #: 2200001131 Product: FORTRAN FORMATTER 24998 22.26

Keywords: FTN7X

One-line description:
Double Precision Index incorrect for DO loops produces wrong code

Problem:
The following source generates the wrong code:
FTN77,L

```
      Program Test
      Implicit double precision (A-H,0-7)
      FU=0
      FO=1
      FST=1.D-3
      DO F=FO,FU,-FST
      G=F*SIN (F)
      WRITE (6,*) F,G
      END DO
      END
```

Cause:
FTN7X compiler produces wrong code where using a double precision variable as incorrect for Do Loop index.

Fix information:
Has been fixed at C.83.

Signed off 04/10/84 in release C23.40

KPR #: 2200045963 Product: FORTRAN FORMATTER 24998 19.13

Keywords: FIRMWARE FORMAT

One-line description:
.GOTO USER OF A&B REGISTERS DIFFERS IN SOFTWARE VS. FIRMWARE

Problem:
.GOTO (SOFTWARE VERSION) FAILS IF AN ARGUMENT IS IN THE A OR B REGISTERS (I.E. IF ROUTINE IS HANDED LOCATIONS 0 OR 1 FOR DATA). FIRMWARE VERSION WORKS FINE WITH SAME CODE.

Cause:
.GOTO (SOFTWARE) DOES NOT SAVE A OR B REGISTERS UPON ENTRY. FIRMWARE USES SCRATCH PADS AND THEREFORE WORKS UNDER THESE CIRCUMSTANCES.

Temporary solution:
STORE THE REGISTER TO A SCRATCH MEMORY LOCATION AND PASS THAT LOCATION TO .GOTO INSTEAD OF THE REGISTER ADDRESS.

Fix information:
Fix date unknown.

KPR #: 2200053470 Product: FORTRAN FORMATTER 24998 21.01

Keywords: COMPLEX FORMAT

One-line description:
.CFTD ZEROS REAL PART CONVERTING FROM INTEGER*4 TO COMPLEX*8

Problem:
THE SUBROUTINE .CFTD SHOULD FLOAT THE DOUBLE INTEGER OPERAND AND SAVE IT AS THE REAL PART OF THE COMPLEX NUMBER, AND THEN ZERO THE IMAGINARY PART. IN FACT, IT ZEROS THE REAL PART OF THE NUMBER.

Cause:
SEE THE SOURCE FOR .CFTD. THE CODE ACTUALLY DOES THE CONVERSION FROM INTEGER TO REAL, BUT THEN IMMEDIATELY ZEROS OUT THE RESULTS.

Temporary solution:
THE SOURCE CAN BE MODIFIED AS FOLLOWS.

```
RESLT EQU *-1
      CLA
      ISZ RESLT      ADD THESE
      ISZ RESLT      TWO LINES
      STA RESLT,I
      ISZ RESLT
      STA RESLT,I
```

Fix information:
Fix date unknown.

KPR #: 2200054924 Product: FORTRAN FORMATTER 24998 22.13

Keywords: FORMAT FTN7X

One-line description:
G-FORMAT TRUNCATES INSTEAD OF ROUNDING UP

Problem:
THE G-FORMAT FROM FTN7X USED FOR PRINTING OUT REAL VARIABLES WILL TRUNCATE INSTEAD OF ROUNDING UP. THIS IS INCONSISTENT WITH THE E AND F-FORMATS FROM FTN7X.

Fix information:
Fix date unknown.

KPR #: 2200056077 Product: FORTRAN FORMATTER 24998 21.40

Keywords: RMPAR FORMAT

One-line description:
RHPAR LENGTH PROBLEM

Problem:
IF RHPAR IS USED AS AN INTEGER FUNCTION, AND THE REQUESTED NUMBER OF PARAMETERS IS THE SAME AS THE NUMBER ACTUALLY INPUT, RHPAR RETURNS A LENGTH OF -1.

Fix information:
FIXED AT 2326.

KPR #: 2200056176 Product: FORTRAN FORMATTER 24998 21.40

Keywords: FORMAT FTN4X

One-line description:
INQUIRE IN FORTRAN 4X REQUIRES A 20 BYTE BUFFER

Problem:
THE INQUIRE STATEMENT REPORTS "FILE DOES NOT EXIST" ON FILES WITH A NEGATIVE SECURITY CODE EVEN IF THE CODE IS SPECIFIED. THE ERROR ONLY OCCURS IF THE FILE DESCRIPTOR IS PASSED TO INQUIRE IN A USER BUFFER. IF THE FILE DESCRIPTOR IS GIVEN IN THE INQUIRE STATEMENT, IT WORKS CORRECTLY.

Cause:
FTN4X ALWAYS PASSES A BUFFER LENGTH OF 20 BYTES TO INQUIRE, REGARDLESS OF THE ACTUAL USER BUFFER LENGTH. THIS MEANS THAT A USER BUFFER WHICH IS SHORTER THAN 20 BYTES MAY BE PARSED INCORRECTLY BY NAMR. IT TURNS OUT THAT THE LAST SUBPARAMETER IN THE FILE DESCRIPTOR IS DESTROYED.

Fix information:
FIXED AT REVISION B.83.

KPR #: 2200056366 Product: FORTRAN FORMATTER 24998 21.40

Keywords: FORMAT

One-line description:
P SCALE FORMAT GIVES WRONG VALUE

Problem:
SOME P SCALE FORMATS GIVE WRONG RESULTS. FOR EXAMPLE, THE FORMAT DESCRIPTORS 3PF8.2 AND 3PF9.2 DO NOT WORK CORRECTLY (THE ANSWER IS OFF BY A FACTOR OF 2 FOR FORMAT 3PF8.2), BUT 3PF8.3 AND 3PF9.3 WORK CORRECTLY.

Fix information:
Fix date unknown.

KPR #: 2200056887 Product: FORTRAN FORMATTER 24998 20.01

Keywords: LIBRARY FORMAT

One-line description:
DSIN (.SIN) FAILS FOR LARGE NUMBERS

Problem:
.SIN (DSIN FOR FOUR WORD) FAILS FOR LARGE NUMBERS. FOR EXAMPLE,

```
  Y = DSIN(X)
```

WHERE X AND Y ARE REAL*8

FOR X = -500000.D0 Y = -128.07146982504
BUT THE CORRECT ANSWER IS Y = -.17783120151826
NUMBERS LARGER THAN THE ABSOLUTE VALUE OF 500000 FAIL.

Fix information:
Fix date unknown.

KPR #: 2200057125 Product: FORTRAN FORMATTER 24998 22.26

Keywords: FORMAT

One-line description:
EXP ROUTINE EXHIBITS OVERFLOW ERRORS

Problem:
CERTAIN TRIG FUNCTIONS WILL CAUSE OVERFLOW ERRORS THAT ARE LEGAL.

Cause:
EXP PRODUCES OVERFLOW ERRORS WHEN UNDERFLOW IS PRESENT.

Fix information:
It is fixed @A.83.

Signed off 10/03/83 in release 23.01

KPR #: 2200057133 Product: FORTRAN FORMATTER 24998 22.26

Keywords: FORMAT

One-line description:
LIST DIRECTED I/O OUTPUT OF INTEGER FAILS

Problem:
WHEN USING LIST DIRECTED I/O TO DISPLAY INTEGER DATA, A TRAILING DECIMAL POINT, AND SOMETIMES ADDITIONAL DIGITS GET APPENDED TO THE OUTPUT.

KPR #: 2200057216 Product: FORTRAN FORMATTER 24998 21.50

Keywords: LIF FORMAT CS/80
CTD

One-line description:
LIF INCOMPATIBILITY ON CS-80 CARTRIDGE TAPE

Problem:
DUE TO AN ERROR IN THE IMPLEMENTATION OF THE LIF STANDARD PHYSICAL (1024 BYTE) SECTORS WERE USED WHERE LOGICAL (256 BYTE) SECTORS SHOULD HAVE BEEN USED. WHEN A CORRECTED VERSION OF THE PROGRAM BECOMES AVAILABLE (2226) THE OLD TAPES WILL BE INCOMPATIBLE WITH THE NEW UTILITY.

Temporary solution:
FOR THE HP-1000 INTERCHANGE, USE 'FC' TO MOVE FILES ON CARTRIDGE TAPE. FOR INTERCHANGE WITH OTHER SYSTEMS THIS

FEATURE (LIF ON CTD) IS NOT AVAILABLE.

Fix information:
CORRECTED IN REV C.82 (2226)

Signed off 09/02/83 in release 22.26

KPR #: 2200057232 Product: FORTRAN FORMATTER 24998 22.26

Keywords: FORMAT

One-line description:
SCALE FACTORS NOT HANDLED CORRECLY IN FORMATTER

Problem:
FORTRAN SCALE FACTORS ARE NOT HANDLED CORRECTLY BY THE FORMATTER LIBRARIES REV C.82. WRONG VALUES ARE RETURNED.

Cause:
THE SCALE FACTOR PROBLEM WAS FIXED IN REV C.82, HOWEVER, THERE ARE PROBLEMS WITH CERTAIN NUMBERS ROUNDING INCORRECTLY. THIS IS INDEPENDENT OF SCALING.

Fix information:
TO BE FIXED AT B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200058255 Product: FORTRAN FORMATTER 24998 23.01

Keywords: FORMAT

One-line description:
FORTRAN G-FORMAT FLOATING POINT READS MAY FAIL

Problem:
ATTEMPTING TO READ A FLOATING POINT NUMBER WITH A FORMAT SPECIFIER OF 'GX.0' (WHERE X IS THE FIELD SIZE) WILL FAIL. ERROR 491 - 'INVALID W,D SPEC' IS RETURNED.

Temporary solution:
AS A WORKAROUND, USE 'EX.0' INSTEAD. THE FLOATING POINT NUMBER CONVERSION IS IDENTICAL TO 'GX.0' FOR INPUT.

Fix information:
Fixed at rev. 2340

Signed off 03/15/84 in release C23.40

KPR #: 2200058362 Product: FORTRAN FORMATTER 24998 20.01

Keywords: LIBRARY FORMAT

One-line description:
ISIGN WITH SINGLE INTEGER ARGUMENTS RETURNS ZERO RESULT

Problem:
ISIGN(IA,IB) WHERE IA AND IB ARE SINGLE INTEGER ARGUMENTS RETURNS A RESULT OF 0 WHEN IA=3 AND IB=0. BY DEFINITION, THE RESULT SHOULD BE 3. THIS WAS ORIGINALLY REPORTED AS SSB #5109.

Fix information:
Fix date unknown.

KPR #: 2200051706 Product: GRAPHICS/1000 92840A 20.13

Keywords: UNDOCUMENTED ERRORS

One-line description:
UNDOCUMENTED ERROR: GPS 31 FROM GTEXT CALL

Problem:
THE MANUAL STATES THE GPS ERROR 31 IS UNUSED. IN FACT, THE SUBROUTINE 'GTEXT' GENERATES THIS ERROR WHEN THE PARAMETER 'ISTRT' IS LESS THAN OR EQUAL TO ZERO. THIS ONLY OCCURS WHEN USING HARDWARE OR LOW-QUALITY TEXT, NOT WHEN USING SOFTWARE-GENERATED TEXT.

Fix information:
Fix date unknown.

KPR #: 2200053231 Product: GRAPHICS/1000 92840A 21.01

Keywords: FONT

One-line description:
GPS USERS MANUAL INSTRUCTIONS FOR USER FONT FILES ARE INCORRECT

Problem:
PAGE G-7 EXPLAINS THE FORMAT OF XNYN FOR THE FONT FILES. THE MAGNITUDE OF X IS STORED IN BITS 15-8 EXCLUDING BIT 14. IF X IS NEGATIVE, THIS VALUE MUST BE IN 2'S COMPLEMENT FORM. THIS MEANS THAT BIT 14 WILL HAVE TO BE SET. THE MANUAL DOES NOT STATE THIS.

Fix information:
Bit 15 is the sign indicator of X. Bits 14 through 8 contain the magnitude of X. If X is positive, bit 15 should = zero. If X is negative, it should be in two's Complement. Bit 7 is ignored; bit 6 is the sign bit of Y; and bits 5 to zero contain the magnitude of Y. Y is not in two's Compliment form.
Given that the desired value of X is in the varible IX, and that the desired value of Y is is in the varible IY, the following lines of FORTRAN code will generate the proper data word and put it in IDATA:

```
IF(IY.LT.0)IY=64-IY
IDATA=IOR(IAND(IY,377B),ISHFT(IX,8))
```

Note that X should only range from -63 <= X <= +64, and Y can only range from -63 <= Y <= +63.

Change date unknown.

KPR #: 2200001255 Product: GRAPHICS/1000-II AGP 92842A 23.01

One-line description:
POLYGON DRAWN INCORRECTLY W/J2PGN CALL WHEN WINDOW CLIPPING TURNED OFF

Problem:
When the polygon is drawn, the 1st line is drawn incorrectly. i.e. suppose you want to draw a .. rctangle ABCD with clipping off, the output of the J2PGN call is AEBCDA where E maps to the center of the window.

Fix information:

This problem will be fixed with the next release of AGP Version 1. It has already been fixed in AGP Version 2.

KPR #: 2200001594 Product: GRAPHICS/1000-II AGP 92842A 23.01

One-line description:
JDLIM CALL CAUSES BLANK PLOTS ON 2608 PRINTER

Fix information:
In AGP Version 2, a control bit 9 has been added to the JDINT call. When control bit 9 is set, a page advance for new frame actions will be done only when output is on the display. This will cut down on usage of paper on printers. When this feature will be added to Version 1 has not been determined.

KPR #: 2200008003 Product: GRAPHICS/1000-II AGP 92842A 23.01

Keywords: AGP

One-line description:
AGP dumps to 2608s cause excessive paper to be wasted.

Fix information:
Since incorrect paper alignment can contribute to this problem, care should be used when loading paper to align the top of form with the first printing scan line.
For Version 1, control bit 7 in JDINT can be set to inhibit a page advance at initialization. The date for fixing other bugs related to wasting paper in Version 1 is unknown.
In Version 2, bugs related to wasting paper are fixed. In addition to using control bit 7 mentioned above, control bit 9 can be set in JDINT to do a page advance for new frame actions only when output is on the display.

KPR #: 2200005611 Product: GRAPHICS/1000-II DGL 92841A 23.01

Keywords: DGL

One-line description:
Bugs in POLYGON FILL with two or more overlapping polygons.

Problem:
Area fill (POLYGON FILL) makes mistakes with two overlapping polygons on horizontal lines at the intersection of the two POLYGONS. Tried on: 2648, 2623, 72215. (Device Drivers: $D0001, $D0019, $D0028).

Fix information:
Fix date unknown.

KPR #: 2200006783 Product: GRAPHICS/1000-II DGL 92841A 23.01

Keywords: DGL

One-line description:
ZIESC does not return paper status on 7221-T plotter.

Problem:
Out-of-paper status is not returned by ZIESC for a 7221T plotter. Instead, the program hangs indefinitely on the plotter EQT.

Fix information:
In Version 2 the ZIESC call for the 7221T plotter will return an out-of-paper status if paper runs out during normal plotting. A fix date for Version 1 has not been set.

KPR #: 2200031575 Product: GRAPHICS/1000-II DGL 92841A .

One-line description:
ZPGDD "Z" BUG

Problem:
SUBROUTINE ZPGDD WOULD EMIT Z'S TO THE GRAPHICS DISPLAY'S ALPHA DISPLAY, WHEN CALLED REPEATEDLY IN BUFFERED MODE. THIS OCCURRED WITH POLYGONS WITH NON-ZERO OR NON-SOLID DENSITY. ALSO, ZPGDD DID NOT CORRECTLY DISPLAY POLYGONS WITH NON-ZERO DENSITIES LESS THAN 1/8TH, IF CALLED LEGALLY IN ANY TIMING MODE. THESE PROBLEMS AFFECTED THE HP 2647, 2648, 2623, AND 2627 TERMINALS.

Fix information:
FIXED AT 2326 (B.83) UPDATE.

Signed off 10/05/83 in release 23.26

KPR #: 2200032003 Product: GRAPHICS/1000-II DGL 92841A .

One-line description:
ZOINT ROUTING DOES NOT INITIALIZE CORRECTLY

Problem:
ZDINT does not initialize properly depending on the state of the device at first call. If the plotter is powered on after the 1st call

to ZDINT and the application routine loops on ZDINT calls, the successful state is never recognized. In addition, the reverse is true. If the plotter was on at the initial ZDINT call, then a ZDEND is done, followed by powering off the plotter, subsequent ZDINT calls show no error.

Fix information:
This problem is fixed at AGP/DGL Version 2. The fix date for AGP/DGL Version 1 has not been determined.

KPR #: 2200054197 Product: GRAPHICS/1000-II DGL 92841A 21.40

Keywords: 2608

One-line description:
IF DGL CALLS IN A SEGMENT AND DISPLAY IS 2608, THEN NO GRAPHIS IS OUTPUT

Problem:
IF YOU HAVE A SEGMENTED DGL PROGRAM WHERE THE DGL CALLS ARE LOCATED IN ONE OF THE SEGMENTS AND YOUR GRAPHICS DISPLAY IS THE 2608, THEN YOU WON'T GET ANY GRAPHICS OUTPUT.

Cause:
WHEN DGL GRAPHICS IS CALLED FROM A PROGRAM SEGMENT, THE COMMON BLOCKS %Z0FBI AND %Z0FBF GET PULLED INTO THE SEGMENT AT LOAD TIME. THESE AREAS NEED TO BE ACCESSED BY THE MAIN. BY DOING THE FOLLOWING FIX, THE MAIN WILL HAVE ACCESS TO THESE AREAS. CHANGE THE LOADR COMMAND FILE TO RELOCATE %Z0FBI AND %Z0FBF AFTER %M0C0M, AFTER THE MAIN.

Fix information:
Problem fixed in B.83 (Rev. 2326).

Signed off 10/28/83 in release 23.26

KPR #: 2200054205 Product: GRAPHICS/1000-II DGL 92841A 21.40

One-line description:
CLIPPING, ROUNDOFF PROBLEMS IN AGP-3 GRAPHICS

Problem:
IF YOU INQUIRE THE WINDOW USING JIWS, AND THEN DRAW THE WINDOW USING THESE VALUES, THE 2608 DISPLAY DEVICE FAILS TO DRAW THE RIGHT HAND-SIDE OF THE WINDOW. THE WORKAROUND IS TO SUBTRACT A SMALL FACTOR LIKE .005 FROM THE XMAX COORDINATE OF THE WINDOW.

Fix information:
The problem was fixed in B.83 (Rev. 2326).

Signed off 10/28/83 in release 22.13

KPR #: 2200019828 Product: HP-IB 59310B 21.40

Keywords: HP-IB

One-line description:
HP-IB routine IBERR should not be used following call to CNFG

Problem:
The HP-IB user manual should clarify use of the IBERR routine after a call to CNFG. If used, IBERR will return error 6 for LU's with subchannel greater than 7. CNFG works properly, but since no access has been made to the LU, IBERR returns an error. No call to IBERR should be made immediately following CNFG.

Fix information:
The manual included this information as of the 6/83 edition.

Signed off 07/05/84 in release 23.40

KPR #: 2200050468 Product: HP-IB 59310B 20.26

Keywords: DVR37 HP-IB

One-line description:
TIMEOUT PROCESSING INCORRECT FOR INPUT WHEN USING IBERR

Problem:
IBERR RETURNS NORMAL COMPLETION STATUS ON A READ AFTER A TIMEOUT OCCURS, WITH USER ERROR PROCESSING.

Cause:
WHEN SET UP TO USE ERROR PROCESSING, THE B REGISTER IS IS CHECKED. IT WILL CONTAIN EITHER THE TRANSMISSION LOG OR AN ERROR VALUE. IF A TIMEOUT OCCURS WHILE DOING INPUT, THE DRIVER WILL POST THE B REGISTER AS THE TRANSMISSION LOG AND SET IBERR TO 0 (NORMAL COMPLETION). THIS WAS IMPLEMENTED IN THIS WAY TO PROVIDE FOR AN OLD HP-IB INSTRUMENT, BUT USER PROCESSING OF ALL OTHER INSTRUMENTS WORKS IMPROPERLY.

Fix information:
Fix date unknown.

KPR #: 2200054734 Product: HP-IB 59310B 21.26

Keywords: DVR37 HP-IB

One-line description:
DVR37 CAN HANG THE SYSTEM

Problem:
DVR37 WILL LOCK UP A SYSTEM WHEN A READ IS PENDING ON THE BUS(EXAMPLE: HPIB COUNTER) AND THEN ANOTHER DEVICE PULLS SRQ. DVR37 WILL LOOP ON THE SRQ UNTIL THE READ COMPLETES THUS LOCKING UP THE SYSTEM.
STATUS 10-4-82. THIS PROBLEM ALSO IMPACTS THE RTE-6/VM VERSION OF THE HPIB DRIVER.

Temporary solution:
WORKAROUND: PUT DEVICES LIKE COUNTERS ON SEPARATE HPIB CARDS, AWAY FROM DEVICES THAT EXERCISE SRQ.

Fix information:
Fixed at C.83.

Signed off 09/10/84 in release 23.40

KPR #: 2200055319 Product: HP-IB 59310B 21.26

Keywords: DVR37 HP-IB

One-line description:
HP-IB DRIVER WITH SRQ FAILS TO RESPOND ON DOWN DEVICE

Problem:
1- WHEN DVR37 ENCOUNTERS A DOWN DEVICE WHEN SRQ IS ASSERTED THE DRIVER DOWNS THE ENTIRE BUS AND IS NOT AVAILABLE.
2- IF RTE CONDUCTS A SERIAL POLL IN RESPONSE TO AN SRQ INTERRUPT AND DOES NOT HAVE THE INTERRUPTING DEVICE IN ITS LIST OF 'ENABLED' DEVICES FOR ALARM PROGRAMS, THE DRIVER WILL TURN OFF THE INTERRUPT AND DRIVER CONTINUES TO LOOP WITHIN THE DRIVER LOOKING FOR THE DEVICE TO CLEAR THE SRQ.

Cause:
1- NO ACTION FOR PROBLEM FOR DOWN DEVICE, MAJOR DRIVER EHANCEMENTS REQUIRED.
2- PROBLEM WITH SRQ ASSERTED AND DRIVER LOOPING WILL BE INVESTIGATED AND A RESOLUTION WILL BE AVAILABLE IN THE NEAR FUTURE.

Fix information:
Fixed at C.83.

Signed off 09/10/84 in release 23.40

KPR #: 2200056119 Product: HP-IB 59310B 21.26

Keywords: DVR37 HP-IB

One-line description:
SRQ ON DVR37 DURING I/O CAUSES CPU TO GO INTERUPT BOUND

Problem:
IF THE HP1000 IS DOING I/O TO A DEVICE AND ANOTHER DEVICE SRQ'S ON THE BUS WHILE THE I/O IS IN PROGRESS, THE CPU GOES INTERRUPT BOUND UNTIL COMPLETION OF THE CURRENT I/O REQUEST. THIS IS NOT READILY APPARENT DUE TO THE SPEED WITH WHICH TRANSACTIONS OCCUR OVER THE HPIB. HOWEVER, IT BECAME OBVIOUS WHEN A DEVICE FAILED TO HANDSHAKE DURING I/O AND SOME OTHER DEVICE SRQ'D BEFORE THE I/O TRANSFER TIMED OUT. WHEN THIS HAPPENS THE CPU BECOMES INTERRUPT BOUND AND NO I/O TIMEOUT WILL OCCUR THEN.

THIS DOWNS THE SYSTEM UNTIL THE SRQ GENERATING DEVICE IS PULLED OFF THE BUS OR A REBOOT IS DONE.

Cause:

THE BUS IS CONFIGURED FOR NON-DMA TRANSFERS AND DO NOT ABORT I/O TO HANDLE A SRQ. UPON SENSING A SRQ AND LOGGING THAT FACT SO THE SERIAL POLL CAN BE DONE WHEN I/O COMPLETES, THE BUS IS NOT DISABLED FOR SRQ INTERRUPTS, SO AN INTERRUPT LOOP IS SET UP.

Temporary solution:

AS A WORKAROUND, THE FOLLOWING SOURCE CODE PATCH CAN BE USED TO PREVENT RESETTING THE TIMEOUT CLOCK ON EACH SRQ ALLOWING THE I/O OPERATING TO TIME OUT WHICH RETURNS CONTROL BACK TO THE USER. THIS GIVES THE SYSTEM A CHANCE TO RECOVER WHEN AN UNKNOWN DEVICE PULLS SRQ.

```
                    OLD CODE        NEW CODE
L. 747  REL ADDR 675  STA EQT12,I     STA EQT12,I
                 676  JMP C37A        LDA DTOUT
                                      STA EQT15
                                      JMP C37A
```

Fix information:
Fixed at C.83.

Signed off 09/10/84 in release 23.40

KPR #: 2200056440 Product: HP-IB 59310B 21.26

Keywords: DVR37 HP-IB

One-line description:
SERIAL POLL DISABLE NOT SENT WHEN SERIAL POLL FAILS

Problem:

IF A DEVICE FAILS TO RESPOND TO A SERIAL POLL, DVR37 DOWNS THE BUS AND RETURNS TO RTE. HOWEVER, IN DOING THIS, DVR37 LEAVES THE SERIAL POLL ENABLED ON THE BUS. CONSEQUENTLY, IF THE USER UP'S THE BUS EQT, AND I/O IS PENDING ON THE BUS, THEN A READ COULD BE SENT TO A DEVICE STILL IN SERIAL POLL MODE, WHICH WILL NOT COMPLETE. THEN THE BUS WILL CONTINUE TO GO DOWN DUE TO TIME OUTS ON THE READ. AS A WORK-AROUND, YOU CAN MANUALLY SEND A SPD DOWN THE BUS (OCTAL 31).

Fix information:
Fix date unknown.

KPR #: 2200056457 Product: HP-IB 59310B 21.26

Keywords: DVR37 HP-IB

One-line description:
UNCLAIMED SRQ CAUSES CPU TO SERIAL POLL FOREVER

Problem:

IF A DEVICE PULLS THE SRQ LINE BUT THE BUS IS NOT ARMED (NO PROGRAM CONFIGURED FOR SRQ HANDLING FOR HPIB) THEN THE SRQ WILL BE HANDLED AS EXPECTED (THE SRQ WILL BE IGNORED). HOWEVER, IF THE BUS IS THEN CONFIGURED AND ARMED FOR SRQ (THE DRIVER IS CONFIGURED TO KNOW ABOUT AT LEAST ONE SRQ-ING DEVICE) AND IT IS SOME OTHER DEVICE THAN THE ONE CONFIGURED THAT PULLS ON SRQ, THE SYSTEM WILL GO INTO A CPU BOUND LOOP WITH THE INTERRUPTS OFF, DOING AN ENDESS POLLING SEQUENCE.

Fix information:
Fix date unknown.

KPR #: 2200001149 Product: IMAGE/1000 92069A 22.26

Keywords: IMAGE DOCUMENTATION ERRORS

One-line description:
Improper LINK command for RDBAP in the config guide

Problem:
Using LINK to load RDBAP is not correctly described in the LINK command file in the configuration guide (p.7-2)

Temporary solution:
Use LC link command instead of OP,LBSS

Fix information:
The documentation will be fixed @C.83.

Signed off 05/02/84 in release C23.40

KPR #: 2200001289 Product: IMAGE/1000 92069A 22.26

One-line description:
DBUPD may fail if a call to access a sort item was made just before.

Problem:
DBUPD to item in a detail data set may fail on database with the sorted items.

Fix information:
It will be fixed @C.83 PCO.

Signed off 05/02/84 in release C23.40

KPR #: 2200002444 Product: IMAGE/1000 92069A 22.26

Keywords: IMAGE

One-line description:
Load procedure for RDPRP under A.1 incorrect

Problem:
Load procedure for RDBAP under A.1 is not correctly described in IMAGE configuration guide.

Fix information:
%RDMAP has been remerged and is available in the IMAGE products. A correct version of the RDBAP relocatable code will be sent to you with the release of C.83.

Signed off 05/02/84 in release C23.40

KPR #: 2200011833 Product: IMAGE/1000 92069A 23.40

One-line description:
2340 Query of IMAGE-I has wrong Query help file

Fix information:

The IMAGE-I manual and QUERY help file for IMAGE-I will be fixed as soon as possible. The greatest need is for IMAGE-II in the A.85 PCO, and attention will be devoted to that first.

KPR #: 2200013599 Product: IMAGE/1000 92069A 23.26

One-line description:
RTE-A mag tape driver ignores 2nd tape during DBSTR

Problem:
The RTE-A HPIB magtape driver does not recognize that a tape is not at EOT if the user manually rewinds the tape.

Temporary solution:
Use the TF or FC backup utilities. Be sure to backup the root file and all of the data sets.

Fix information:
To be fixed for the B.85 update.

KPR #: 2200015693 Product: IMAGE/1000 92069A 23.40

One-line description:
QUERY reports undocumented error when out of space for scratch file

Problem:
IMAGE-I manual does not defined 'scratch file error' (QUERY).

Fix information:
To be fixed at the B.85 PCO.

KPR #: 2200016527 Product: IMAGE/1000 92069A 23.40

One-line description:
Query aborts when loaded using default linker file

Problem:
The IMAGE-I installation files assumes a system without DS/1000.

Fix information:
To be fixed at the B.85 PCO cycle.

KPR #: 2200017855 Product: IMAGE/1000 92069A .

Keywords: DS 1000 IMAGE REMOTE ACCESS

One-line description:
ERROR -144 occurs on DBOPN to remote database

Problem:
When accessing an image data base thru DS networks, an error -144 can occur if the RDBAP copy associated with the master data base program is aborted.

Signed off 05/02/84 in release C23.40

KPR #: 2200028043 Product: IMAGE/1000 92069A 22.16

Keywords: QUERY

One-line description:
QUERY REPORT WITH EZ EDIT TRUNCATES COLUMN 6

Problem:
QUERY report edit (EZ) truncates column 6

Cause:
An integer data item when formatted in the REPORT command of QUERY will truncate column 6 if the EZ editing format is requested.

Temporary solution:
Do not declare right column as column 6 or do not use the EZ editing mask.

Signed off 05/02/84 in release C23.40

KPR #: 2200031831 Product: IMAGE/1000 92069A .

One-line description:
IMAGE sorts improperly when alphanumeric item value contains:{,:,},~

Problem:
IMAGE sorts improperly when alphanumeric item value contains {,:,},~ QUERY does not sort properly if control characters or {,},|,\,~ or ` are in the field being sorted.

Cause:
92069 QUERY produced invalid sorts if a field being sorted contained 'unprintable' characters as defined by JSCOM (part of DECAR). QUERY now does straight byte-by-byte comparisons and does not consider any character to be illegal.

Temporary solution:
Remove 'illegal' characters from fields that will be sorted.

Fix information:
Fixed in the C.83 PCO cycle.

Signed off 05/02/84 in release C23.40

KPR #: 2200055095 Product: IMAGE/1000 92069A 21.40

One-line description:
DBUP REVISION 2140 MEMORY PROTECTS

Problem:
TWO PROBLEMS WITH DBUP:
1. *DBUP WILL NOT LOAD AS MODULE TPHDR IS MISSING.
2. WHEN LOADING *DBUP AND RELOCATING TPHDR FROM THE 92069 IMAGE LIBRARY, *DBUP LOADS, HOWEVER IT MP'S AFTER ASKING FOR THE LEVEL WORD.

Temporary solution:

USE DBUP REVISION 1912.

Fix information:
TO BE FIXED IN REVISION C.83

Signed off 05/02/84 in release C23.40

KPR #: 2200055210 Product: IMAGE/1000 92069A 21.40

Keywords: QUERY

One-line description:
CREATE COMMAND IN QUERY CANNOT CREAT FIND PROCEDURE

Problem:
THE CREATE COMMAND IN QUERY CANNOT BE USED TO CREATE A FIND PROCEDURE IF THE PROCEDURE IS INTENDED TO CONTAIN MORE THAN 72 CHARACTERS.

Cause:
THE ONLY WAY TO STOP LINES FROM BEING CONCATENATED IN THE CREATE COMMAND IS TO END A LINE WITH A SEMI-COLON OR A ZERO LENGTH RECORD, BOTH OF WHICH PUT A SEMI-COLON AT THE END OF THE LINE. A FIND PROCEDURE CAN'T BE CREATED THAT IS INTENDED TO SPAN MULTIPLE 72-CHARACTER LINES. IF A SEMI-COLON IS NOT PUT AT THE END OF THE INPUT LINE TO THE CREATE COMMAND, THE NEXT LINE ENTERED WILL BE CONCATENATED WITH THE PREVIOUS LINE, MAKING THE FIND PROCEDURE LINE LONGER THAN 72 CHARACTERS. IF A SEMI-COLON IS ENTERED AT THE END OF THE LINE, A SEMI-COLON IS PUT IN THE MIDDLE OF THE FIND PROCEDURE.

Fix information:
THIS REQUIRES AN EXTENSIVE DESIGN CHANGE TO QUERY. THE WORKAROUND IS TO USE THE EDITOR. THEREFORE, THIS PROBLEM WILL NOT BE FIXED, BUT WILL BE CONSIDERED IN PLANNING ANY FUTURE ENHANCEMENTS TO QUERY.

Signed off 05/02/84 in release C23.40

KPR #: 2200057299 Product: IMAGE/1000 92069A 22.13

One-line description:
DBDS PURGES DATASETS WHEN PU AND NOROOT ARE NOT SPECIFIED

Problem:
GIVEN EXISTING DATABASE ON DISK, DBDS IS RUN TO CHECK SCHEMA FOR ERRORS. '$CONTROL' STATEMENT IN SCHEMA HAS SPECIFICATIONS 'TABLE', 'FIELD', AND 'NOSET' (NOROOT LEFT OUT). DBDS IS SCHEDULED WITH THE FOLLOWING RUNSTRING
:RU,DBDS,SCHEMAFILENAME,6
(WITH ',PU' LEFT OUT) DBDS PROCESSES THE SCHEMA AND TRIES TO CREATE ROOTFILE BUT GETS FMP -2 BECAUSE ALL DATA BASE FILES EXISTS. HOWEVER DBDS REPORTS (AND DOES) PURGE OF DATA SET FILES, LEAVING ONLY THE EXISTING ROOTFILE INTACT. DBDS SHOULD ONLY PURGE DATA SETS WHEN BOTH 'PU' IS SPECIFIED IN

THE RUNSTRING AND 'SETS' IS SPECIFIED IN THE '$CONTROL' STATEMENT IN THE SCHEMA

Temporary solution:
FOR A WORKAROUND, MAKE SURE TO SPECIFIY 'NOSET' AND 'NOROOT' AND DO NOT SPECITY 'PU' IN THE RUNSTRING.

Signed off 05/02/84 in release C23.40

KPR #: 2200058198 Product: IMAGE/1000 92069A 22.13

Keywords: DBDS

One-line description:
DBDS PURGES DATASETS IN ERROR EVEN IF PU OPTION NOT USED

Problem:
DBDS PURGES THE DATASETS IF AN ERROR IS ENCOUTERED IN THE CREATION OF THE ROOT FILE, EVEN THOUGH IT WAS NOT SCHEDULED WITH THE 'PU' OPTION.

Signed off 05/02/84 in release C23.40

KPR #: 2200058230 Product: IMAGE/1000 92069A 21.40

Keywords: RECOV

One-line description:
RECOV FAILS WHEN LOADED WITH 'LC' OPTION IN RTE-A.1

Problem:
WHEN RECOV IS LOADED WITH THE 'LC' OPTION AND NO LABELED COMMON EXISTS IN THE SYSTEM THE SYSTEM WILL HANG WHEN RECOV IS RUN.

Temporary solution:
MODIFY THE *IMAGA LOAD COMMAND FILE AND DELETE THE LC OPTION FOR RECOV.

Signed off 05/02/84 in release C23.40

KPR #: 2200058305 Product: IMAGE/1000 92069A 22.13

One-line description:
DBGET/DBFND WILL NOT REFLECT DATABASE CONTENTS IN SOME CASES

Problem:
UNDER CERTAIN CONDITIONS, A DBGET/DBFND CALL WILL NOT REFLECT THE TRUE DATABASE CONTENTS ON DISC. THIS WILL OCCUR WHEN THE SAME RECORD IN THE DATABASE IS BEING READ, AND SOME OTHER PROGRAM HAS MODIFIED THIS RECORD SINCE THE FIRST READ.
EXAMPLE: PROGRAM 1 DOES DBGET ON RECORD 5.
PROGRAM 2 DOES DBUPD ON RECORD 5.
PROGRAM 1 DOES DBGET ON RECORD 5.
PROGRAM 1 NO HAS AN INCORRECT COPY OF RECORD 5. THIS PROBLEM WILL ONLY OCCUR WHEN THE DATABASE IS OPENED IN SHARED MODE.

Cause:
TO SAVE PROCESSING TIME, FMP CHECKS THE DCB FOR THE RECORD NEEDED BEFORE GOING TO DISC. IN THE CASE ABOVE, THE OLD, UN-UPDATED RECORD 5 IS STILL IN THE DCB WHEN THE SECOND DBGET IS EXECUTED, SO IMAGE SIMPLY GETS THE RECORD 5 COPY FROM THE DCB. IMAGE NEEDS TO BE MODIFIED TO FORCE A READ ON A DB CALL, AS IS POSSIBLE IN FMP.

Temporary solution:
WORKAROUNDS: ANY OF THE FOLLOWING WILL FORCE A POST:
1) CLOSE AND RE-OPEN THE DATABASE.
2) ADD A DBGET/DBFND CALL AFTER THE FIRST ONE, TO FORCE IMAGE TO READ ANOTHER RECORD AND RE-READ THE DCB.
3) USE ONLY ONE PROGRAM TO DO DB CALLS AND DIRECT ALL REQUESTS TO IT.

Signed off 05/02/84 in release C23.40

KPR #: 5000011718 Product: IMAGE/1000 92069A 00.00

Keywords: IMAGE

One-line description:
DBLOD does not restore a corrupt data base which has a corrupt key

Fix information:
DBLOD will ignore errors when adding records as of the A.84 PCO.

KPR #: 5000029595 Product: IMAGE/1000 92069A .

One-line description:
Documentation lacking for usage of NO\DS for loading programs

Problem:
IMAGE DOCUMENTATION LACKING ON C.83 UPDATE.
CANNOT LOAD IMAGE USING SUPPLIED COMMAND FILES ON A SYSTEM WITH NO DS. COMMAND FILES DO NOT REFER TO %NO\DS OR $NO\DX NOR DOES THE CONFIGURATION GUIDE, RESULTING IN UNDEFINED EXTERNALS.
DBCOP IS NOT LINK'ED IN REV 2340 AND PREVIOUS REVISION IS INCOMPATABLE WITH CURRENT IMAGE.

Temporary solution:
EITHER MERGE %NO\DS INTO $DBMS1 OR ADD $NO\DX TO LINK COMMAND FILE FOR QUERY.

KPR #: 5000031831 Product: IMAGE/1000 92069A 23.40

One-line description:
IMAGE-I manual index incorrect for chapter 4

Problem:
IMAGE/1000 MANUAL 92069-90001. REPRINT OCTOBER 1981 WITH UPDATE OF JANUARY 1983. THE NEW CONTENTS PAGES VIII A/B DO NOT CORRECTLY LIST SECTION 4 "HOST LANGUAGE ACCESS".

Fix information:
To be fixed at the PCO following A.85.

KPR #: 5000038737 Product: IMAGE/1000 92069A 00.00

One-line description:
IMAGE-I does not have a mode 5 for DBOPENS despite what the manual says

Problem:
The IMAGE-I reference manual contained an IMAGE-II feature for QUERY.

Fix information:
To be fixed in the software release following A.85.

KPR #: 2200005447 Product: IMAGE/1000-II 92081A 23.30

Keywords: IMAGE

One-line description:
Incorrect generation inf. in DBMS configuration guide of IMAGE/1000-II

Fix information:
The IMAGE/1000-II configuration guide will be changed to say that $DSDB NOT be generated into a system. RDBAM will need to be loaded on-line always. Also, do not use the following parts if they have DS/1000-IV part numbers (91750): %RDBAM, %RDBAP and $DSDB. They are not compatible with IMAGE-II, and are going to be removed from the DS/1000 product.

KPR #: 2200006064 Product: IMAGE/1000-II 92081A 23.30

Keywords: IMAGE

One-line description:
Documentation error of 'ST' command of DBUTL in DBMS ref. manual

Problem:
On p.6-62 of DBMS ref. manual of IMAGE-1000/II, the running parameters of 'ST' command of DBUTL is incorrect.

Fix information:
A manual update is being sent out in December, 1983.

Signed off 01/11/84 in release 23.52

KPR #: 2200006072 Product: IMAGE/1000-II 92081A 23.30

Keywords: IMAGE

One-line description:
DBSTR does not work for the second mag-tape in the backup on RTE-A sys

Fix information:
The IMAGE/1000-II utilities rewind the magtape prior to prompting for the user to mount the next tape. The rewind action clears the driver status word such that it won't think the tape is at end-of-tape. This is really an O/S bug, but we can work around it faster than they can. The fix will be released at the next PCO which IMAGE-II is part of, which is likely to be A.85 (late spring, early summer).

KPR #: 2200008532 Product: IMAGE/1000-II 92081A 23.30

One-line description:
Corrupt data base from corrupt before-image buffers.

Cause:
If the first intrinsic after startup or a checkpoint had to be backed out, the before-image file would become corrupt. If any of the next two or three intrinsics also needed to be backed out, the database would become corrupt due to missing before-images. If a soft crash occurred while the before-image file was corrupt, databases would also be corrupted. The next checkpoint would reset the before-image

file.

Fix information:
The bug was found and corrected for the A.84 PCO cycle.

Signed off 07/20/84 in release A24.01

KPR #: 2200008540 Product: IMAGE/1000-II 92081A 23.30

One-line description:
transactions lost during powerfail because log file not updated

Cause:
Because DBSPL spooled log records to the RF Log, if the transaction log is lost for any reason and DBSPL was unable to post its buffer, then the log records in DBSPL's buffer would be lost.
The solution was to add a 'no spool' option to RF logging.

Fix information:
Fixed for the A.84 PCO.

Signed off 07/20/84 in release A24.01

KPR #: 2200009795 Product: IMAGE/1000-II 92081A 23.26

One-line description:
Verify option of DBSTR does causes error 212

Fix information:
To be fixed in the A.85 PCO.

KPR #: 2200010959 Product: IMAGE/1000-II 92081A 23.26

One-line description:
DBRBR PRINTS OUT WRONG DATE (E.G. JAN 32, 1984)

Fix information:
To be fixed at A.85.

KPR #: 2200015867 Product: IMAGE/1000-II 92081A 23.21

One-line description:
DBDS seems to miscalculate the run table size.

Problem:
Reference manual gives incorrect formula for run table space usage.

Fix information:
Manual to be fixed at A.85 PCO.

KPR #: 5000011288 Product: IMAGE/1000-II 92081A 00.00

Keywords: IMAGE

One-line description:
DBLOD does not restore a corrupt data base which has a corrupt key

Fix information:
Will be fixed for the A.84 PCO.

Signed off 09/11/84 in release 24.01

KPR #: 5000011668 Product: IMAGE/1000-II 92081A 00.00

Keywords: IMAGE

One-line description:
DBDS does not correctly list path items or sort items in the tables

Fix information:
Will be fixed in the A.84 PCO.

Signed off 09/11/84 in release 24.01

KPR #: 5000012161 Product: IMAGE/1000-II 92081A 00.00

One-line description:
Dbstr disallows "any word" in runstring for level if undefined in d-base

Cause:
THE IMAGE SUBROUTINE "LEVEL" (92081-1X275 REV. 2321) HAS A "DO" LOOP THAT FINDS THE HIGHEST LEVEL WORD DEFINED IN THE DATA BASE. IF THE LEVEL WORDS ARE ALL BLANK (NONE DEFINED), THE "DO" LOOP FALLS THRU TO THE COMPARE TEST WHICH FAILS. IF SOURCE CODE LINES 69 TO 73 WERE MOVED TO FOLLOW LINE 58, THEN, WHEN THE "DO" LOOP FALLS THRU IT WOULD CORRECTLY SET "IERR=0" AND RETURN.

Fix information:
DBSTR will have the level-word bug fixed for the A.85 PCO.

Signed off 07/20/84 in release A24.01

KPR #: 5000019026 Product: IMAGE/1000-II 92081A 23.30

One-line description:
IMAGE-II returns the wrong error when running out of class numbers

Problem:
If an RTE-6/VM system runs out of class numbers, the next user to open an IMAGE-II database gets an error 138 on the DBOPN. QUERY also gets this error and reports it as "UNRECOGNIZED MESSAGE FROM CLASS READ."

Cause:
The class number allocator was returning the wrong error number when a class number was not available.

Fix information:
At A.85, the DBOPN call will return error 127 instead of 138.

KPR #: 5000021915 Product: IMAGE/1000-II 92081A 00.00

One-line description:
fig. 7-3 on pg. 7-4 of IMAGE-II manual missing words 9-10(pointer info)

Fix information:
To be fixed at A.85 PCO.

KPR #: 5000038133 Product: IMAGE/1000-II 92081A 23.40

One-line description:
need more examples to show log file structures.

Problem:
The IMAGE-II reference manual contained nearly useless information on log record formats and log file layouts.

Fix information:
Fixed in the A.85 PCO.

KPR #: 5000038232 Product: IMAGE/1000-II 92081A 23.40

One-line description:
QSHELP file for IMAGE-II wrong for "find" command

Problem:
QUERY's help file has an incorrect example of the FIND command.

Fix information:
To be fixed in the PCO cycle following A.85

KPR #: 2200052464 Product: L-SERIES DIAGNOS 24397A 20.40

Keywords: DIAGNOSTICS

One-line description:
KERNEL DIAGNOSTIC FAILS EVERY OTHER TIME WITH ONLY 1 I/O CARD INSTALLED

Problem:
IF THE KERNEL IS RUN ON AN L-SERIES WITH THE PROCESSOR BOARD, MEMORY, AND ONLY 1 I/O CARD INSTALLED (THE CARD FOR THE DIAGNOSTIC INPUT DEVICE), THE DIAGNOSTIC WILL PASS ALL ODD NUMBER PASSES AND FAIL ALL EVEN NUMBER PASSES. THE FAILING SYMPTOMS INCLUDE A HALT 12 BEING RETURNED (A PARITY ERROR) WITH THE A-REGISTER INDICATING A SINGLE BIT ERROR (VALUE 120020B), AND THE PARITY LED ON THE MEMORY ARRAY BEING OUT (INDICATING A PARITY ERROR).

Temporary solution:
THE DIAGNOSTIC CAN STILL BE RUN SUCCESSFULLY IF MORE THAN 1 I/O CARD IS INSTALLED.

Fix information:
The 24397 product has been replaced by the 24612A product. This problem was fixed in the 24612A product.

Signed off 07/05/84 in release 23.26

KPR #: 2200048082 Product: M/E/F DIAGNOSTICS 24998-14002 18.05

Keywords: DIAGNOSTICS

One-line description:
7905 DIAGNOSTIC DOES NOT FIND A WRITE ERROR

Problem:
7905 DIAGNOSTIC DOES NOT FIND A WRITE ERROR.
IF, FOR EXAMPLE, EXACTLY 2 SECTORS OF INFORMATION
IS TRANSFERRED TO DISC AND IF EXTRA DATA (I.E., NOISE)
IS PICKED UP AND ALSO WRITTEN ON THE DISC, 3 SECTORS
WILL BE ALLOCATED INSTEAD OF 2. THE DIAGNOSTIC DOES
NOT DETECT THIS PROBLEM.

Fix information:
Fix date unknown.

KPR #: 2200048637 Product: M/E/F DIAGNOSTICS 24998-14002 17.05

Keywords: DIAGNOSTICS

One-line description:
MEMORY PROTECT/PARITY ERROR OFFLINE DIAGNOSTIC GIVES UNEXPECTED MESSAGE

Problem:
WHEN THE DIAGNOSTIC REFERENCED ABOVE RUNS ON
A 21MX M/E/F WITH BIT 14 SET, THE FOLLOWING
MESSAGE IS CONTINUALLY PRINTED:
E030 INVALID VIOLATION REGISTER
EXPECTED = 000663
ACTUAL = 000664
FENCE = 000000

Fix information:
Fix date unknown.

KPR #: 2200050997 Product: M/E/F DIAGNOSTICS 24998-14002 18.26

Keywords: DIAGNOSTICS

One-line description:
MEM DIAGNOSTIC FAILS WHEN MORE THAN 512K MEMORY INSTALLED

Problem:
IF THERE IS A 512K OR GREATER AMOUNT OF MEMORY INSTALLED,
THE M.E.M. DIAGNOSTIC WILL FAIL TEST 23 WITH AN E263:
"XMM DID NOT EXECUTE CORRECTLY WHEN INTERRUPTED."

Temporary solution:
THE DIAGNOSTIC CAN STILL BE RUN
SUCCESSFULLY IF TEST 23 IS NOT SELECTED.

Fix information:
Fix date unknown.

KPR #: 2200054049 Product: M/E/F DIAGNOSTICS 24998-14002 16.27

Keywords: DIAGNOSTICS

One-line description:
DIAGNOSTIC CONFIGURATOR DOES NOT WORK WITH 8 BIT DATA TYPE TERMINAL

Problem:
PROBLEM: WHEN WE OPERATE THE DIAGNOSTIC CONFIGURATOR WITH A 2645J
8-BIT DATA TYPE TERMINAL AS A SYSTEM CONSOLE AND IN
CONVERSATIONAL CONFIGURATION METHOD, MESSAGES PRINTED ON THE
CONSOLE PARTIALLY CHANGE TO KATAKANAS OR 8-BIT CODES AND
CAN HARDLY BE READ.

Cause:
THIS IS BECAUSE THE DRIVER IN THE CONFIGURATOR GENERATES
AND APPENDS A PARITY BIT TO EACH CHARACTER AND SENDS IT
TO THE CONSOLE 2645J AND THE 8-BIT DATA TYPE CONSOLE
TAKES IT TO BE A 8-BIT CHARACTER IF A PARITY BIT IS ON.
IT IS DESIRED NOT TO APPEND PARITY BIT IN CONJUNCTION WITH
A 2645J KATAKANA OR 8-BIT DATA TYPE TERMINAL.
FOR MORE DETAIL, PLEASE REFER TO "KATAKANA HANDLING
CAPABILITY TEST OF THE HP 1000 SYSTEM AND 2645J YHP
KATAKANA TERMINAL" DEC. 1, 1980.

Fix information:
Fix date unknown.

KPR #: 2200002873 Product: MACRO/1000 92059A 22.26

Keywords: MACRO

One-line description:
MACRO manual missing "O" option documentation.

Fix information:
This will be fixed at the A.85 PCO. Under the section "Macro Control Statement" in Appendix E a description of the O option (which invokes the OLDRE utility) has been added. kj

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KPR #: 2200005454 Product: MACRO/1000 92059A 22.06

Keywords: MACRO

One-line description:
COL command does not work properly with Macro's

Fix information:
To be fixed at A.85.

KPR #: 2200018606 Product: MACRO/1000 92059A .

Keywords: MACRO

One-line description:
COL psuedo op broken

Problem:
The COL psuedo op spreads ASC statement out corrupting the string.

Fix information:
Fixed at B.83

Signed off 11/17/83 in release 23.26

KPR #: 2200019083 Product: MACRO/1000 92059A .

Keywords: MACRO

One-line description:
MACRO/1000 problems

Problem:
1. Unsuppressed REP gives error 210
2. In 'ASC' operation, '8B' or '9B' after a comma delimiter gives error 253
3. When MACRO is punching to paper tape, the records have an unwanted carriage return & line feed.

Fix information:
This problem was fixed @B.83.

Signed off 11/17/83 in release 23.26

KPR #: 2200021352 Product: MACRO/1000 92059A .

Keywords: MACRO

One-line description:
MACRO/1000 binary output to a logical device

Cause:
Macro does not properly set the binary bit on absolute file open (nor does it write the eof etc.) It has the same problem on rel output.

Temporary solution:
WORK AROUND: Macro to a disc file and then dump with FMGR.

KPR #: 2200021766 Product: MACRO/1000 92059A .

Keywords: MACRO DOCUMENTATION ERRORS

One-line description:
MACRO generates wrong code for DBL*+1 in absolute assembler

Problem:
The instruction "Label DBL *+1" generates the wrong byte address in an absolute assembly, or in a relocatable assembly where the instruction is preceded by an "ORG" statement.

Fix information:
Fixed at B.83.

Signed off 11/17/83 in release 23.26

KPR #: 2200054619 Product: MACRO/1000 92059A 21.21

Keywords: MACRO EXTENTS MP VIOLATION
CHECKSUM

One-line description:
MISC. MACRO PROBLEMS

Problem:
* MEMORY PROTECTS OCCUR ON SOME CROSS REFERENCES. CODE MUST BE LONGER THAN 5000 LINES. RELOC. CODE GENERATED IS OK.
* SBS COMMAND IS INCORRECT WHEN IN ABSOLUTE ASSEMBLY MODE. THE OPCODE VALUE IS WRONG.
* ORG COMMANDS NOT CROSS REFERENCED. THIS IS NOT A BUG.
* MEMORY PROTECTS OCCUR WHEN ILLEGAL STRING SUBSTITUTION ON OCT STATEMENTS.
* RTE "BREAK" NOT COUNTED AS AN ERROR. CAN BREAK MACRO AND BE TOLD NO ERRORS TOTAL.
* GENERATES INCORRECT CODE FOR HALT C. ASMB HAD A BUG WHICH INTERPRETED THIS AS HALT 0,C. FOR COMPATABILITY, MACRO NEEDS THE SAME BUG.
* INCORRECT ERROR MESSAGE GIVEN ON STATEMENT "GEN 0".
* EXTENTS NOT ALLOWED IN MACRO LIBRARY FILES.
* IF A DISASTER OCCURS BEFORE PASS 3, THE RELOC. IS CLOSED AT 1 BLOCK LONG. IT SHOULD BE PURGED.
* INCORRECT NUMBER OF LINES GIVEN ON A LISTING PAGE WHEN

SUBHEAD IS USED.
* CANNOT USE LINE CONTINUATION IN NESTED MACRO CALLS.
* PC COUNTER IS NOT ZERO FOR OPCODES PRECEDING NAM IN LISTING. GENERATED CODE IS CORRECT. LISTING IS WRONG.
* THE CHECKSUM OF CHECKSUMS IS XEND RELOC. RECORDS IS WRONG WHEN DEBUG RECORDS USED.
* THE LITERAL =B GIVES WRONG VALUE WHEN OCTALS USED: =B12B.
* INCORRECT ERROR WHEN USERS FILL UP A PAGE WITH CODE IN ABSOLUTE ASSEMBLY.

Signed off 09/02/83 in release 22.26

KPR #: 2200055483 Product: MACRO/1000 92059A 21.40

Keywords: MACRO ASCII

One-line description:
MACRO interprets ASCII as integer

Problem:
THE FOLLOWING CODE WILL NOT BE ACCEPTED BY MACRO, ALTHOUGH ASMB IS PERFECTLY HAPPY.

```
     MACRO,L        (OR ASMB,L)
           NAM BUG
           ASC 3,800BPI
           END
```

IF MACRO'ED, THIS CODE WILL PRODUCE THE ERROR "OCTAL INTEGERS CAN NOT CONTAIN AN 8 OR 9".
THIS IS A PROBLEM WITH 2226 MACRO, ALSO.

Temporary solution:
WHEN USING MACRO, AVOID USING STRINGS WHICH BEGIN WITH A NUMBER FOLLOWED (WITHOUT SPACES) BY A B.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200055509 Product: MACRO/1000 92059A 22.26

Keywords: MACRO

One-line description:
MACRO SKP TERMINATES ASSEMBLY

Problem:
IF A SKP IS PLACED BETWEEN MODULES IN A MULTIMODULE MACRO SOURCE FILE, MACRO WILL TERMINATE ITS ASSEMBLY AFTER THE FIRST MODULE. IF THE SKP'S ARE COMMENTED OUT, ALL MODULES ARE ASSEMBLED.

Fix information:
IT IS FIXED @B.83

Signed off 10/03/83 in release 23.26

KPR #: 2200055673 Product: MACRO/1000 92059A 21.40

Keywords: MACRO

One-line description:
'REP' WITH 'DEF' IS INCORRECTLY HANDLED

Problem:
MACRO/1000 DOES NOT GENERATE CORRECT CODE FOR A "REP" INSTRUCTION WITH A "DEF"; THE GENERATED CODE CAUSES AN OFFSET BETWEEN THE ACTUAL LOCATION OF LABELS AND THE ASSIGNED RELOCATABLE ADDRESS.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200055855 Product: MACRO/1000 92059A 21.40

Keywords: MACRO

One-line description:
MACRO DOES NOT ALLOW ASL +4 BUT ASSEMBLER DOES

Problem:
WHEN MACRO IS RUN ON ASMB CODE IN ASMB MODE, IT WILL NOT "ASL +4". (MACRO DOES NOT LIKE THE PLUS SIGN.)
YOU CAN DELETE THE PLUS SIGN TO MAKE MACRO HAPPY.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200056572 Product: MACRO/1000 92059A 21.21

Keywords: MACRO

One-line description:
MACRO CROSS REFERENCE INCOMPLETE

Problem:
IN SOME CASES THE CROSS REFERENCE INDICATES ONLY ONE REFERENCE, WHEN IN FACT, SEVERAL REFERENCES OCCUR TO THE LABEL.

Temporary solution:
USE EDIT TO FIND ALL REFERENCES IN THE SOURCE FILE.

Fix information:
IT IS FIXED @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057463 Product: MACRO/1000 92059A 22.26

Keywords: MACRO

One-line description:
CANNOT REDEFINE THE 'END' OPCODE AS MACRO

Problem:
CANNOT REDEFINE THE "END" OPCODE AS A MACRO

Fix information:
FIXED AT @B.83.

Signed off 07/14/83 in release 23.01

KPR #: 2200057471 Product: MACRO/1000 92059A 22.26

Keywords: MACRO

One-line description:
ASMB CONTROL STATEMENT WITH COMMENT IN MACRO

Problem:
MACRO DOES NOT PROPERLY INTERPRET AND GENERATES A MISLEADING ERROR MESSAGE FOR AN ASMB CONTROL STATEMENT WHICH CONTAINS A COMMENT.

Fix information:
FIXED AT B.83

Signed off 07/14/83 in release 23.01

KPR #: 2200057646 Product: MACRO/1000 92059A 21.40

Keywords: MACRO

One-line description:
MACRO GIVES ERROR ON ASC STATEMENT CONTAINING '\'

Problem:
IF THE MACRO SOURCE HAS AN ASC STATEMENT ENDING IN A \ (BACK-SLASH), MACRO GENERATES AN ERROR. IF THERE IS ALSO A COMMENT AFTER THE END OF THE STATEMENT, THE SOURCE WILL ASSEMBLE CORRECTLY.

Fix information:
TO BE FIXED AT REVSION B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057661 Product: MACRO/1000 92059A 22.13

Keywords: MACRO PSEUDO INFINITE LOOP

One-line description:
MACRO ERROR HANDLING FOR MIC PSEUDO INSTRUCTION ALLOW INFINTE LOOP

Problem:
AN ERROR IN THE USE OF THE MIC PSEUDO OP SENDS MACRO INTO AN INFINITE LOOP. IF THE MIC DECLARATION SPECIFIES A NON-ZERO NUMBER OF PARAMETERS, BUT WHEN THE NEW INSTRUCTION IS USED NO PARAMETERS ARE GIVEN, MACRO OUTPUTS
217 >> INCOMPLETE EXPRESSION IN OPERAND FIELD
AND THEN GOES INTO A LOOP.

Fix information:
TO BE FIXED AT REV. B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200058123 Product: MACRO/1000 92059A 21.21

Keywords: MACRO

One-line description:
MACRO GENERATES SYNTAX ERROR IN COMMENT FIELD

Problem:
COMMENT FIELD CONTAINING '12979B' IN NAM STATEMENT GENERATES AN ERROR 253. THE COMMENT FIELD SHOULD NOT BE EVALUATED.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200058321 Product: MACRO/1000 92059A 21.40

Keywords: MACRO

One-line description:
NO ERROR MESSAGE FROM MACRO FOR ILLEGAL NAME IN NAM

Problem:
MACRO DOES NOT GIVE AN ERROR MESSAGE IF ILLEGAL CHARACTERS & / \ < > : ; ARE USED IN A NAM.

Fix information:
TO BE FIXED AT B.83.

Signed off 11/10/83 in release 23.26

KPR #: 2200057778 Product: MEF OFFLINE DIAGNOS 24396A .

Keywords: DIAGNOSTICS

One-line description:
PIC DIAGNOSTIC FAILS DURING IRQEN TEST

Problem:
THERE IS A PROBLEM WITH THE PIC DIAGNOSTIC IN THE IRQEN TEST. BOTH INPUTS OF U94 ON THE PIC CARD ARE SWITCHED AT THE SAME TIME CAUSING A GLITCH ON THE IRQ- LINE. THE PIC CARDS THEMSELVES ARE NOT DEFECTIVE. AN IMMEDIATE FIX IS TO ADD THE FOLLOWING LINE TO THE DIAGNOSTIC:

```
     389 OTA @31 @0
```

THIS LINE WILL CAUSE THE INPUTS TO U94 TO BE SWITCHED ONE AT A TIME. ALSO, THE COMMENTS FOR LINES 417 AND 420 ARE WRONG. THEY SHOULD BE:

```
     417 GOSB 1823       !! NO, ERROR
     420 REM DFF TEST    !! YES, CONTINUE
```

THERE IS ONE OTHER ERROR IN LINE 642; IT SHOULD READ:

```
     642 GOSB 1889       !! ERROR, NO INTERRUPT OCCURRED
```

Fix information:
Already fixed in B.83

Signed off 07/05/84 in release 23.26

KPR #: 2200057018 Product: MEF ONLINE DIAGNOS. 91711A 22.01

Keywords: DIAGNOSTICS

One-line description:
TXPF0 HAS VAGUE RESULTS/ERRORS WITH PARTIAL TESTING SELECTED

Problem:
THE 91711B SOFTWARE PACKAGE CREATED NEW ERRORS AND MESSAGES THAT ARE NOT CLEAR. THE FOLLOWING ARE THE PROBLEMS ENCOUNTERED:

1) YES/NO QUESTIONS WILL NOT ACCEPT ONE CHARACTER INPUT, (IE,Y OR N) INSTEAD NO IS ASSUMED WITHOUT COMMENT.
2) 'NOT INSTALLED' IS SHOWN WHEN A FIRMWARE TEST IS NOT PERFORMED. THE MESSAGE SHOULD SAY 'NOT TESTED' WHEN THE INTERACTIVE TEST MODE DELTES A SPECIFIC TEST.
3) IF A FIRMWARE ITEM IS NOT TESTED, THE PROGRAM ASSUMES THE MODULE IS NOT INSTALLED AND PRODUCES 'INCOMPATIBLE', 'NOT DECLRARED' OR 'NOT INSTALLED' MESSAGES THAT ARE VAGUE.

Fix information:
Fix date unknown.

KPR #: 2200057430 Product: MEF ONLINE DIAGNOS. 91711A 21.01

Keywords: DIAGNOSTICS

One-line description:
TXPF0 RUN ON A CS-80 BASED SYSTEM GETS TRACK ERRORS

Problem:
RUNNING TXPF0 ON THE CS80 BASED SYSTEM WITH THE CHANGE COMMAND, CONSISTANTLY GETS ERROR TR 1472 E1 1U 1U. THE ENTRY POINTS DO GET CHANGED IN THE SYSTEM. THE DIAGNOSTIC FIRMWARE IS SUCCESFUL.
THE DIAGNOSTIC WORKS WITH OTHER DISCS WITHOUT ANY PROBLEM.

Fix information:
Fix date unknown.

KPR #: 2200003111 Product: MRJE/1000 91782A 23.05

One-line description:
Assignment (AS,PRX,Q,LU) to user terminal will cause lock and hang

Problem:
Assignment to an LU that is the user's terminal is not allowed because the terminal will lock and hang. Example: (where the user terminal is LU 69) do not do a AS,PR1,Q,69.
The terminal hangs only until a data set is returned on that LU, at which time the assignment is released and the terminal is unlocked. In essence, a queued assignment to the user's terminal LU acts like a standard assignment.

Temporary solution:
The temporary workaround, of course, is not to optionally elect to make such an assignment.

Signed off 09/02/83 in release 23.40

KPR #: 2200003202 Product: MRJE/1000 91782A 23.05

One-line description:
A-Series console problem when multiple users are involved

Problem:
A-series console problem when multiple users are involved.

Cause:
It occurs when the console terminal user (lu1) exits from MRJE when other users are on the subsystem.

Fix information:
The modules POI and DCTF1 now modify their own id segments so they appear to be scheduled from LU1 regardless of where they are actually scheduled from.

Signed off 08/16/83 in release 23.26

KPR #: 2200003392 Product: MRJE/1000 91782A 23.05

One-line description:
Reset expected request in BCB (Block Control Byte) 'drops the line'

Problem:
Reset expected BCB (Block Control Byte) request 'drops the line'. MRJE/1000 bisync BCB can legally contain : normal block request, reset expected block request, and other requests. Currently, only the normal block request is handled, ie block data error detection and correction has not been implemented. When there is a request to reset the expected block sequence, three senarios can occur :
(1)handle the reset - logic is not yet in place
(2)ignore the reset; proceed - this can violate data integrity
(3)drop the line - does not violate data integrity, but MRJE terminates
Scenario #3 had unfolded.
MRJE/1000 transmitted a 'SIGNON'

MRJE/1000 received a reset expected BCB from the IBM host
MRJE/1000 drops the line

Temporary solution:
Do not have the host send reset expected BCB request on MRJE/1000 'SIGNON' (send normal block request instead). No block data error detection and correction is available. User must restart MRJE/1000 on error detection (ie reset is sent from host, so MRJE drops the line).

Signed off 08/16/83 in release 23.40

KPR #: 2200003418 Product: MRJE/1000 91782A 23.05

One-line description:
Trace formatter puts out Rev. Code 0001 in the header of formatted trace

Problem:
The trace formatter puts out the Rev. code 0001 in the header of formatted trace.

Temporary solution:
It should be changed to Rev. 2326.

Signed off 09/02/83 in release 23.40

KPR #: 2200003426 Product: MRJE/1000 91782A 23.05

One-line description:
Trace formatter TIMER does not rezero after each USE; it jumps in value

Problem:
The trace formatter doesn't allow for the PSI card being reset during a traced session. If a second USE is executed, the PSI resets its timer to zero, but the logic of the formatter takes the new value to be a normal rollover of the timer, which is handled by adding a large number to the timer value. This results in the PSI TIMER value taking a big jump with each new USE, but between USE's the timer increments normally

Fix information:
The reset value of the PSI TIMER is now zero.

Signed off 09/02/83 in release 23.40

KPR #: 2200003541 Product: MRJE/1000 91782A 23.05

One-line description:
Queued reader assignment (not implemented) will hang reader and SIGNOFF

Problem:
process was undertaken, such that the signoff is held up waiting for a reader to complete transmission that has nothing to transmit.
returned to the user who attempts to queue-assign an MRJE reader. But, the display of the reader's status shows that part of the assignment
Making the ASSIGN command to a reader, queued mode results in a display
RD1 is not active. Assignment: Nothing.
This is different from the display message for normal unassigned devices:

RD1 is not active and has no assignment.
Queued reader assignments are not implemented, so an error message is

Temporary solution:
The reader must be cleared of this half-baked assigment in order to permit the user to signoff normally; (1) make a valid assignment to that reader to replace the 'Nothing' assignment, or (2) assign a non-existant file to that reader to release the reader of any assignment.

Signed off 09/02/83 in release 23.40

KPR #: 2200003657 Product: MRJE/1000 91782A 23.05

One-line description:
Subsystem hangs if user types a signon before executing the USE command

Signed off 11/29/83 in release 23.26

KPR #: 2200003673 Product: MRJE/1000 91782A 23.26

One-line description:
CRN's of incremented queued files are displayed numerically

Problem:
On RTE-A.1, the cartridge reference numbers are printed numerically in response to the DISPLAY command after the first increment of a queued printer or punch file. Normally these should be printed with alpha/numeric characters.

Fix information:
Fix date unknown.

KPR #: 2200003897 Product: MRJE/1000 91782A 23.05

One-line description:
Module DCTF1 memory protects when carrier interupted during transmission

Problem:
Module DCTF1 memory protects when the carrier is interupted durint transmission.

Fix information:
Fix date unknown.

KPR #: 2200003905 Product: MRJE/1000 91782A 23.26

One-line description:
Extra empty file created for each queued output device upon signoff.

Problem:
An extra file is created upon signing off for each queued output device assigned to a disc file.

Fix information:
Fix date unknown.

KPR #: 2200004127 Product: MRJE/1000 91782A 23.26

One-line description:
'Signon' and 'Signoff' card images restricted to 40 columns.

Problem:
The 'signon' and 'signoff' card images are restricted to 40 characters. Also, a comma typed into either card images will delimit the string. Warning : editor edits of saved configuration files are not supported.

Temporary solution:
Restrict card images to 40 characters, and do not include commas in either card strings. Updated corrections will be available on the next PCO cycle release.

Signed off 11/29/83 in release 23.40

KPR #: 2200005322 Product: MRJE/1000 91782A 23.26

One-line description:
Host has 360/20 workstation logic. Card read stream fails to go to host.

Problem:
Host has generated into its logic a 360/20 workstation. Failure to send read stream data (via an assignment command) from hp 1000 to the host. MRJE desires to send a read stream to the host (the line protocol handler sends out a request to initiate function transmission). The host will eventually send permission granted to initiate function transmission. If the host sends a legal intermediate response which indicates suspension on all device transmission with record control byte (RCB) equal zero, MRJE becomes confused and hangs MRJE.

Temporary solution:
In response to an HP 1000 request to initiate function transmission, the host can send permission granted or suspend all device transmission, but not suspend all device transmission with the record control byte (RCB) set to zero.

Fix information:
The case of zero RCB requires no processing, but the case was included to prevent the incorrect processing at this point of error code.

Signed off 11/29/83 in release 23.40

KPR #: 5000010090 Product: MRJE/1000 91782A 00.00

One-line description:
UPDATE MANUAL TO WARN ABOUT MISSING ENTRY PT DDV45 ON GEN. FOR DVN00

Problem:
When generating MRJE into a system the user gets an undefined external reference. The missing entry point is DDV45.

Cause:
This external reference DDV45 comes from DVN00 which is the driver used by MRJE and by PCL/1000. However DDV45 is a module used by PCL/1000. The maunal should warn the user that this undefined will come up, or a

dummy module should be included to resolve the undefined entry point.

Fix information:
Fix date unknown.

KPR #: 2200048819 Product: MTIS (ATS/1000) 92425C 19.26

Keywords: LOGOF

One-line description:
RUNNING LOGOF (MTIS) FROM PROCEDURE FILE LEAVES FILE OPEN

Problem:
IF LOGOF IS RUN FROM A TRANSFER FILE THE TRANSFER FILE IS
LEFT OPEN.

Cause:
LOGOF APPEARS TO ABORT FMGR WITHOUT CLOSING FILES
OPEN TO FMGR FIRST.

Temporary solution:
DUMP THE FILE TO THE BIT BUCKET IF IT IS FOUND OPEN.

Fix information:
Fix date unknown.

KPR #: 2200055335 Product: MTIS (ATS/1000) 92425C 20.01

Keywords: DM VIOLATION

One-line description:
ALLOC GENERATES DM VIOLATION

Problem:
ALLOC IS RUN ON A CONFIGURATION FILE AND RESULTS IN A 'DM' VIOLATION. PROBLEM OCCURS WHEN EXACT MULTIPLE OF 128 WORDS ARE NEEDED. THUS A CORRUPT TABLES IS PUT INTO SAM.

Temporary solution:
WORKAROUND: ADD A DUMMY DEVICE TO CONFIGURATION FILE.
THIS CAUSES THE WORD COUNT TO NOT BE A MULTIPLE OF 128.

```
    EG.     R 999,1,1
              0            DUMMMY VALUE
```

Fix information:
Fix date unknown.

KPR #: 5000004606 Product: MULTIPOINT 91730A 00.00

Keywords: MULTIPOINT

One-line description:
Multipoint manual indicates incorrect number of extents for EQT.

Problem:
The Multipoint manual (91730-90002) has not been updated to indicate the correct number of extents for the EQT table. The Multipoint manual currently shows that 5 extents are necessry for the EQT table. This is not correct, the current release of DVR07 requires 8. The Datalink Manager's manual shows the correct number of extents but doesn't describe the meaning of all the bits in the new EQT extent words.

Fix information:
The manual was corrected on page 2-7 and Appendix B of Update 4, October 1981.

Signed off 07/05/84 in release 21.40

KPR #: 5000004622 Product: NET MGR MAN VOL 1 91750-90010 00.00

One-line description:
Documentation error in DS/1000-IV Network Manager Manual, volume 1

Problem:
Manual: DS/1000-IV Network manager's Manual Volume 1
97150-90010 Update 3 dated Jun 1983 Pg. 2-64

Problem: Under Section entitled 'Communication Management Modules', the manual states that the module %RESSM should be genned in for 1000/3000 links operating under RTE-IVB, IVE, & 6/VM. This is only true if these O/S's are also running Session Monitor. If Session Monitor is not being used then module %RESM should be used instead. Reference Page 2-11 under RES module for additional information. This page conflicts with page 2-64.

Fix information:
FIXED IN MANUAL.

Signed off 03/12/84 in release 24.01

KPR #: 5000012443 Product: NET MGR MAN VOL 1 91750-90010 00.00

One-line description:
DS1000 Network Manager's Manual vol.1 should reflect restrictions.

Problem:
THE RUN STRING FOR DINIT DOES NOT ALLOW A NON-FMGR FILE TO BE PASSED AS AN ARGUMENT. ALTHOUGH IT IS KNOWN THAT DS DOES NOT CURRENTLY SUPPORT THE NEW FILE SYSTEM, THE DOCUMENTATION IN THE DS1000 NETWORK MANAGER'S MANUAL VOLUME 1 SHOULD REFLECT THIS RESTRICTION.

Fix information:
ADDED NOTE TO MANUAL.

Signed off 03/12/84 in release 24.01

KPR #: 5000038125 Product: NET MGR MAN VOL 1 91750-90010 00.00

One-line description:
Correction to Generation answer file.

Problem:
The DS/1000-IV Network Manager's Manual Volume 1 contains an error in Appendix A page A-15. The entry for spooling in the generation answer file is incorrect. LU's 94-99 should reference EQT's 57-62 NOT 56-61 as shown.

Fix information:
The answer file will be corrected for A.85.

KPR #: 5000001479 Product: NET MGR MAN VOL 2 91750-90011 00.00

One-line description:
IOMAP's error message is not fully documentedin DS Manual

Problem:
IOMAP's error message definition for -4 indicates only that the the LU to be mapped is already mapped. It also indicates -4 when the LU to be mapped is in the local node. This error msg. should be documented in the DS manual (91750-90011, page 3-8).

Signed off 03/12/84 in release 24.01

KPR #: 2200001305 Product: PASCAL/1000 (6/VM,A) 92833A 22.40

One-line description:
Pascal generates error 261 when compiling subprogram using graphics

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200001552 Product: PASCAL/1000 (6/VM,A) 92833A 22.40

One-line description:
Accessing single element of a packed array of character generates errors

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200001735 Product: PASCAL/1000 (6/VM,A) 92833A 22.40

One-line description:
No string type available in Pascal/1000

Fix information:
To be fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200002071 Product: PASCAL/1000 (6/VM,A) 92833A 22.26

One-line description:
Pascal subroutines may require PAS.1 and PAS.2

Signed off 09/11/84 in release 24.01

KPR #: 2200002311 Product: PASCAL/1000 (6/VM,A) 92833A 23.01

Keywords: COMPILER ERROR UNDOCUMENTED ERRORS

One-line description:
Compile error 448 occurs with 2301 Pascal compiler

Temporary solution:
Temporary fix is to reduce level of nested records.

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200004457 Product: PASCAL/1000 (6/VM,A) 92833A 22.26

Keywords: PASCAL

One-line description:
Cannot assign a structured constant identifier.

Signed off 09/11/84 in release 24.01

KPR #: 2200004630 Product: PASCAL/1000 (6/VM,A) 92833A 23.01

Keywords: PASCAL

One-line description:
Problem with field descriptor in write; gives compiler error 427

Signed off 09/11/84 in release 24.01

KPR #: 2200004648 Product: PASCAL/1000 (6/VM,A) 92833A 22.13

Keywords: EMA

One-line description:
Wrong error when EMA/VMA object passed in VAR param. w/HEAPPARMS off

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200007484 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

One-line description:
Possible to pick up wrong ERR0 module

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200007963 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

One-line description:
Default relocatable file given wrong name if WD,0

Fix information:
Fixed at A.84.

Signed off 09/11/84 in release 24.01

KPR #: 2200012104 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

Keywords: PASCAL

One-line description:
Pascal incorrectly reads lines w/only 1 character

Fix information:
Fixed at A.84.

KPR #: 2200020636 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Incorrect value returned by Pas.Getmeminfo2

Signed off 09/11/84 in release 24.01

KPR #: 2200021139 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Function Pas.SetShared in RTE-A.1 answers false

Problem:
CALLING THE PASCAL FUNCTION 'PAS.SETSHARED' ANSWERS FALSE WHEN TRYING TO CHANGE THE HEAP/STACK VALUES IN THE SHEMA ZONE, IN THE RTE-A.1 OPERATING SYSTEM. THE SAME PROGRAM, IN THE RTE-6 OPERATING SYSTEM, ANSWERS TRUE AND ADJUSTS THE NEW VALUES (THE FUNCTION WORKS PROPERLY).

Fix information:
THIS WILL BE FIXED FOR RTE-A AT B.83.

Signed off 10/04/83 in release 23.26

KPR #: 2200021238 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Pascal can drop characters in output

Signed off 09/11/84 in release 24.01

KPR #: 2200022400 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Run-time error on correct set constructor

Signed off 09/11/84 in release 24.01

KPR #: 2200024562 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Pascal I/O EOF error

Signed off 09/11/84 in release 24.01

KPR #: 2200025015 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Pas.SetMemInfo2 doesn't work

Signed off 09/11/84 in release 24.01

KPR #: 2200027219 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
RESET of other than TEXT file causes multiple errors if file not found

Signed off 09/11/84 in release 24.01

KPR #: 2200030684 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
PACKED modifer not handled properly on multi dimensioned arrays

Signed off 09/11/84 in release 24.01

KPR #: 2200032458 Product: PASCAL/1000 (6/VM,A) 92833A .

One-line description:
Pascal does not allow (instead of [

Signed off 09/11/84 in release 24.01

KPR #: 5000004127 Product: PASCAL/1000 (6/VM,A) 92833A 21.44

One-line description:
Access to PACKED arrays in HEAP 2 can fail

Signed off 09/11/84 in release 24.01

KPR #: 5000005777 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

One-line description:
Pas.AlSharedSize type 4 instead of type 7

Signed off 09/11/84 in release 24.01

KPR #: 5000007849 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

Keywords: MACRO

One-line description:
Pascal schedules MACRO even if no relocatable or zero is specified

Fix information:
Fixed in C.83 revision of Pascal.

Signed off 09/11/84 in release 23.40

KPR #: 5000010447 Product: PASCAL/1000 (6/VM,A) 92833A 23.26

One-line description:
Single char lines interpreted as blank lines

Signed off 09/11/84 in release 24.01

KPR #: 5000010736 Product: PASCAL/1000 (6/VM,A) 92833A 00.00

Keywords: PASCAL

One-line description:
Cannot read first column if it is the only character on the line

Temporary solution:
Put the file on a FMGR cartridge and run EDIT/1000 on it (just open it and do an "er" on it). Or put the brace or period or other character in the second column or on a line with other characters.

KPR #: 5000013755 Product: PASCAL/1000 (6/VM,A) 92833A 00.00

Keywords: PASCAL

One-line description:
Miscalculates integer value

Signed off 09/11/84 in release 24.01

KPR #: 2200017715 Product: PASCAL/1000 (RTE-4B) 92832A

Keywords: PASCAL

One-line description:
PASCL will not run on LU's > 7 in RTE-A.1

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200050161 Product: PASCAL/1000 (RTE-4B) 92832A 20.26

Keywords: TRACE

One-line description:
PASCAL SEGEMENTS CANNOT COMBINE TRACE AND LABELS OR STRING CONSTANTS

Problem:
WHEN USING TRACE ON A SEGMENT AND THE GLOBALS INCLUDE
STRUCTURED CONSTANTS OR STATEMENT LABELS, THE SEGMENT WILL
HAVE UNDEFINED EXTERNALS WHEN LOADED.

Temporary solution:
TURN TRACE ON AFTER DECLARATIONS.

Fix information:
Fix date unknown.

KPR #: 2200051946 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: COMPILER ERROR

One-line description:
COMPILE ERROR IN STRUCTURED CONSTANTS WITH PACKED RECORDS

Problem:
ERROR IN BUILDING A STRUCTURED CONSTANT FOR A PACKED
RECORD. FIELDS OF THE STRUCTURED CONSTANT CONTAIN
THE WRONG VALUE AFTER COMPILATION.

Cause:
STRUCTURED CONSTANTS FOR PACKED RECORDS THAT
CONTAIN PACKED RECORDS ARE BEING IMPROPERLY
BUILT.

Temporary solution:
AS A WORKAROUND, UNPACK EITHER
THE OUTSIDE OR INSIDE RECORD.

Fix information:
Fix date unknown.

KPR #: 2200052043 Product: PASCAL/1000 (RTE-4B) 92832A 20.15

Keywords: WITH

One-line description:
NO ERROR IF FILE BUFFER VARIABLE USED IN A 'WITH' STATEMENT

Problem:
NO SYNTAX ERROR IS GENERATED IF A FILE BUFFER VARIABLE
IS USED IN A "WITH" STATEMENT.

KPR #: 2200052217 Product: PASCAL/1000 (RTE-4B) 92832A 20.15

Keywords: EOF

One-line description:
NO EXPLANATION ON 'EOF' TESTING IN PASCAL MANUAL

Problem:
THE MANUAL DOES NOT EXPLAIN HOW TO EXECUTE A STATEMENT
REPEATEDLY AS LONG AS NO EOF IS ENCOUTERED ON AN INPUT
DEVICE.
THE FOLLOWING PROGRAM DOES NOT EXECUTE IN THE EXPECTED
ORDER:

```
$PASCAL$
PROGRAM JFB50(INPUT,OUTPUT);
VAR
   TEST_STRING: PACKED ARRAY[1..80] OF CHAR;
BEGIN
   WHILE NOT EOF DO
   BEGIN PROMPT(' INPUT A STRING');
         READLN(TEST_STRING);
         WRITELN(TEST_STRING);
   END;
END.
```

Cause:
A READ IS SET ON A TERMINAL WHEN CHECKING EOF.

Temporary solution:
WORKAROUND FOR THE PREVIOUS EXAMPLE:

```
$PASCAL$
PROGRAM JFB50(INPUT,OUTPUT);
VAR
   TEST_STRING: PACKED ARRAY[1..80] OF CHAR;
PROMPT(' INPUT A STRING');
WHILE NOT EOF DO
   BEGIN
      READLN(TEST_STRING);
      WRITELN(TEST_STRING);
      PROMPT(' INPUT A STRING');
   END;
END.
```

KPR #: 2200052225 Product: PASCAL/1000 (RTE-4B) 92832A 20.15

Keywords: RMPAR

One-line description:
RMPAR PARAMETER CORRUPTED BY THE TRACE OPTION

Problem:
WHEN THE "TRACE" OPTION IS ON, THE FIRST PARAMETER READ BY RMPAR IN THE PASCAL PROGRAM IS NOT CORRECT.

Temporary solution:
WORKAROUND: EDIT THE ASSEMBLY CODE GENERATED BY THE COMPILER TO MOVE THE RMPAR CODE BEFORE THE TRACE CODE, AND REASSEMBLE.

KPR #: 2200052274 Product: PASCAL/1000 (RTE-4B) 92832A 20.15

Keywords: FILES

One-line description:
UNCLEAR LIMITATION OF FILE AS ROUTINE PARAMETERS

Problem:
IF FILE1 IS ASSOCIATED WITH A PHYSICAL FILE VIA THE RUN STRING AND FILE1 IS PASSED AS A VAR PARAMETER TO A ROUTINE, THEN THE PREDEFINED PROCEDURES "RESET", "REWRITE","OPEN"AND "APPEND" WILL NOT ASSOCIATE FILE1 WITH THE PHYSICAL FILE SPECIFIED IN THE RUN STRING. AN EXAMPLE WHERE THE PROBLEM OCCURS:

```
PROGRAM IT-FAILS(INPUT_FILE,OUTPUT_FILE,OUTPUT);
VAR
   INPUT_FILE,OUTPUT_FILE: TEXT;
PROCEDURE INIT(VAR FILE1,FILE2 : TEXT);
   BEGIN
        RESET(FILE1);     (A RUNTIME ERROR OCCURS HERE)
        REWRITE(FILE2);
   END;
BEGIN
   INIT(INPUT_FILE,OUTPUT_FILE);
END.
```

Cause:
THE ONLY PLACE WHERE THE ASSOCIATION BETWEEN A A FILE AND A PHYSICAL FILE(FILE SPECIFIED IN THE RUN STRING) MUST BE MADE IS IN THE MAIN PROGRAM. ONE EXAMPLE:

```
PROGRAM IT_WORKS(INPUT_FILE,OUTPUT_FILE,OUTPUT);
VAR
   INPUT_FILE,OUTPUT_FILE: TEXT;
BEGIN
     RESET(INPUT_FILE);
     REWRITE(OUTPUT_FILE);
END.
```

KPR #: 2200052522 Product: PASCAL/1000 (RTE-4B) 92832A 20.15

Keywords: RUN STRING

One-line description:
UNEXPECTED REMOVAL OF BLANKS AND NULLS FROM RUN STRING

Problem:
TWO PROBLEMS HAVE BEEN NOTICED:
(1) TRAILING BLANKS AND NULLS ARE REMOVED FROM THE RUN STRING.
(2) BLANKS AROUND "," ARE REMOVED.

Temporary solution:
WORKAROUND:
(1) A NON-ZERO DUMMY WORD AT THE END OF THE STRING WILL PREVENT THE REMOVAL OF TRAILING BLANKS AND NULLS.
(2) DO NOT USE BINARY DATA THAT IS EQUIVALENT TO ASCII ",".

KPR #: 2200052688 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

One-line description:
SET UNION OPERATOR SOMETIMES OPERATES INCORRECTLY WITH INTEGERS

Problem:
IF A VARIABLE IS DECLARED AS AN INTEGER AND THEN USED WITH A UNION OPERATOR ON A NULL SET, THE UNION IS NOT PERFORMED AND THE SET REMAINS NULL.

Cause:
FOR EXAMPLE, THIS PROGRAM WILL NOT WORK PROPERLY, NSET WILL REMAIN NULL AND NOT GET UPDATED.

```
 VAR
    N:INTEGER; NSET:SET OF 0..9;
 BEGIN
    NSET := []; READLN(N);
    IF N IN [0..9] THEN NSET := NSET + N;
```

KPR #: 2200052720 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

One-line description:
ORD(TRUE) NOT ALLOWED IN DEFINING INDEX TYPE

Problem:
IF ORD(TRUE) IS USED AS AN INDEX TYPE IN DEFINING AN ARRAY, AN ERROR MESSAGE IS ISSUED INDICATING ORD(TRUE) IS NOT A CONSTANT. THE ORD OF AN ENUMERATION TYPE CAN BE USED TO DEFINE AN INDEX TYPE, THUS THE ORD(TRUE) SHOULD WORK.

Cause:
FOR EXAMPLE, THIS STATEMENT WILL GENERATE A PASCAL ERROR 49 (EXPRESSION MUST BE CONSTANT):

```
FALSETRUE : ARRAY[0..ORD(TRUE)] OF BOOLEAN;
                                 ^49
```

KPR #: 2200053116 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: FMP ERRORS

One-line description:
USER ERROR TRAP @PREP CANNOT CONTINUE AFTER FMP ERRORS

Problem:
IF A REWRITE TO A FILE CAUSES AN FMP ERROR AND THE USER IS TRAPPING ERRORS WITH HIS OWN @PREP THE PROBLEM OCCURS. THE FMP ERROR IS TRAPPED PROPERLY AND THEN @PREP RETURNS TO USER PROGRAM. ALL OTHER FILE I/O WILL STILL CAUSE THE FMP ERROR UNTIL A REWRITE TO A FILE (NOT AN LU) IS SUCESSFULLY EXECUTED.

Temporary solution:
WHEN CONTINUING AFTER AN FMP ERROR
DO A DUMMY REWRITE TO A FILE. THE REWRITE MUST
BE SUCESSFUL IN ORDER TO CLEAR THE FMP ERROR.

KPR #: 2200053793 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: INSTALLATION

One-line description:
CORRECTIONS TO THE PASCAL INSTALLATION TRANSFER FILE

Problem:
THE FOLLOWING CORRECTIONS SHOULD BE INCORPORATED INTO THE PASCAL INSTALLATION TRANSFER FILE, *UNL.T:

```
LINE 2:   :PU,*UNL.C::2G      SHOULD BE  :PU,*UNL.T::2G
LINE 47:  :ST,1G,*UNL.C::2G   SHOULD BE  :ST,1G,*UNL.T::2G
LINE 75:  :ST,1G,*:STPCL::2G  SHOULD BE  :ST,1G,*PUPCL::2G
LINE 83:  :ST,1G,*:STXRF::2G  SHOULD BE  :ST,1G,*PUPCL::2G
```

KPR #: 2200053918 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: WRITE

One-line description:
PASCAL 'REWRITE' DOES NOT ALLOW SHARED LU ACCESS

Problem:
WHEN OPENING A FILE IN PASCAL WITH A 'REWRITE' AND SPECIFYING 'SHARED' OPTION, PASCAL WILL DO A LOCK ON THE DEVICE IF THE FILE IS AN LU.

Cause:
APPARENTLY, REWRITE ALWAYS LOCKS AN LU
WHETHER IT IS ACCESSED WITH SHARED MODE OR NOT.

KPR #: 2200053926 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: EXEC 14

One-line description:
EXEC 14 CALL CANNOT BE MADE IN A PASCAL PROGRAM

Problem:
THE PASCAL COMPILER GENERATES SOME INITIALIZATION CODE AT THE BEGINNING OF A PASCAL PROGRAM WHICH PERFORMS AN EXEC 14 TO RETRIEVE THE RUN STRING. SINCE THIS HAS BEEN DONE BEFORE THE USER'S CODE STARTS, THE PROGRAM CANNOT DO ITS OWN EXEC 14 TO GET AT THE RUN STRING. THE MANUAL DOESN'T STATE THIS ANYWHERE. IT'S CONFUSING BECAUSE THE USER USUALLY ASSUMES THAT HE CAN DO AN EXEC 14 AT THE BEGINNING OF HIS PROGRAM.

Cause:
THE MANUAL SHOULD STATE THAT THE USER NEEDS
TO USE THE PASCAL ROUTINE 'RSPAR' TO RETRIEVE RUN
STRING PARAMETERS AND CAN'T USE EXEC 14.

KPR #: 2200053934 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

Keywords: LONGREAL

One-line description:
LONGREAL CONSTANTS CAN GIVE BAD RESULTS

Problem:
THE FOLLOWING CODE:

```
CONST  ONE=1.0L0;
       TWO=2.0L0;
VAR    THREE,FOUR:LONGREAL;
BEGIN
THREE := ONE + TWO;
FOUR  := THREE + ONE;
END.
```

WILL RESULT IN 'THREE' HAVING A VALUE OF 3, 'FOUR' A VALUE OF 6, AND 'ONE' HAS CHANGED ITS VALUE TO 3.

Cause:
USING LONGREAL LITERALS IN PLACE OF THE
CONSTANTS WORKS FINE.

KPR #: 2200054536 Product: PASCAL/1000 (RTE-4B) 92832A 21.01

One-line description:
NEGATIVE CONSTANTS ARE NOT ALLOWED WITH $ANSI ON$ OPTION

Problem:
WITH THE $ANSI ON$ OPTION, PASCAL WON'T ALLOW NEGATIVE CONSTANTS TO BE DECLARED (EXCEPT FOR -32768). IT GIVES A "NON-STANDARD CONSTRUCT" ERROR.

Cause:
THE NEGATIVE NUMBER IS TREATED AS AN EXPRESSION, AND
AN EXPRESSION IS ILLEGAL IN THE ANSI STANDARD FOR
CONSTANT DEFINITIONS. PASCAL IS SUPPOSED TO BE DOING
A SPECIAL CASE FOR THIS SIMPLE EXPRESSION.

KPR #: 2200032151 Product: PROFILE/1000 92083A 22.26

One-line description:
CTRAC schedules with invalid LU

Problem:
A problem occurs when CTRAC is instructed to handle all of the details CTRAC determines what LU it was scheduled from and then adds 400B to the LU number for its I/O to the termianl. Then when it schedules the user of scheduling and running the program to be monitored. If the run program, it passes this invalid LU as the first parameter. If the user string is specified without any parameters, some of the terminal I/O is affected. When the user porgram puts the terminal into block mode, no program calls RMPAR expecting either 0 or the user LU as the 1st parameter, it receives this invalid LU. This causes errors in I/O to the more data can be input from the terminal. This only happens if the program is run with CTRAC.
terminal.

Temporary solution:
As a workaround, always specify parameters when giving the run string to CTRAC.
Modify CTRAC so that the incorrect LU is not passed at line 421.

KPR #: 2200001370 Product: RJE/1000 91780A 22.01

One-line description:
RJE DOES NOT PROPERLY HANDLE SIMULTANEOUS BID FOR LINE

Problem:
RJE does not properly handle simultaneous bid for line. Final resolution of customer problem resulted in patch to module #BSC by 'nop' locations 'dd3+5' and 'dd3+6'. The problem resulted from a near simultaneous bid for line contention. The problem seems to center around who (host or HP) is the primary or secondary station.

Temporary solution:
Nop locations that allow rje/1000 to receive line bids from host as a legal response to rje/1000 line bid request.

KPR #: 2200003376 Product: RJE/1000 91780A 22.01

One-line description:
RJE/1000 4800 bps to 9600 bps upgrade problem.

Problem:
RJE/1000 has problems supporting 9600 bps line speeds. When there is heavy DMA activity (disk accessing as an example) in parallel to RJE run ing, numerous CPU cycles are stolen, thus causing lost of data transmission or reception. The lost of data causes a 'NAK' on the line which is a request to retransmit, so as to not lose the data, but with heavy DMA activity, 7 consecutive 'NAK's have been experienced, which will thus cause RJE/1000 to abort.

Temporary solution:
Run RJE/1000 at 4800 bps. Run RJE/1000 at 9600 bps only when no other subsystem or application is running.

KPR #: 2200006999 Product: RJE/1000 91780A 22.01

One-line description:
RJE & RTE CRASHES WHEN BREAK AND OFF ARE EXECUTED

Problem:
RJE & RTE CRASHED WHEN BREAK OR OFF IS EXECUTED WHILE RJE HAS A LOCKED DEVICE, THE DEVICE IS DOWN, AND RJE IS EXECUTING IN A PRIVILEGE MODE.

Temporary solution:
DO NOT BREAK OR OFF RJE WHILE A PERIPHERAL DEVICE IS LOCKED AND DOWN.

KPR #: 2200012971 Product: RJE/1000 91780A .

One-line description:
3/82 ONLINE AT DSD : CARD READER IN RJE FAILS

Problem:
3/82 BUG: CARD READER IN RJE FAILS (DETECTED BY KIRKLAND OFFICE)
SEE E. CALOYANNIS & PAUL WITORT/IND LAB

Temporary solution:
USE DISK FILES FOR TRANSERS TO HOST

KPR #: 2200016709 Product: RJE/1000 91780A 22.01

One-line description:
RQ error 36560 due to RJE/1000 not handling IBM JES3 'enq' time fill

Problem:
RQ error 36560 because IBM JES3 sends protocol ENQ as a time fill, and in certain cases RJE/1000 cannot handle this legal protocol exchange.

Temporary solution:
Run RJE/1000 again and retransmit and rereceive the transmission data or dial into another IBM entry system such as JES2 or Hasp II.4.

KPR #: 2200031591 Product: RJE/1000 91780A .

One-line description:
RJE DOES NOT TRAP EXEC CALL ERRORS VIA NO-ABORT

Problem:
TITLE:RJE DOES NOT TRAP EXEC CALL ERRORS VIA NO-ABORT

Cause:
None of RJE's EXEC calls use the no-abort error trap facility (bit is on "ICODE")
Verified from source of RJE

KPR #: 2200054502 Product: RJE/1000 91780A 20.13

One-line description:
IBM CARRIAGE CONTROL OVERPRINT NOT HANDLED

Problem:
IBM VERTICAL FORMS CONTROL IS HANDLED BY THE FIRST CHARACTER IN A PRINT LINE. FOR INSTANCE "+" WILL INDICATE "OVERPRINT NEXT LINE".
RJE/1000 DOES NOT HANDLE THESE FORM CONTROL CHARACTER.

KPR #: 2200000901 Product: RTE-2 92001A 23.01

Keywords: DVA05

One-line description:
DVR05/DVA05 manual uses incorrect file relocatable name

Fix information:

RTE-IVB contains:
%4DV05 (92001-16027) for CTU, no modem
%0DV05 (92001-16028) for no CTE, no modem
%DVA05 (92001-16035) w/modem, w/CTU

RTE-6 (92084A) contains:
%0DV05 (92001-16028) no CTU, no modem
%DVA05 (92084-16607) w/CTU, w/modem
Software numbering catalog for RTE-6/VM is being removed at C.83. System Managers Manual was fixed as of C.83. Driver manual will be changed next PCO cycle to indicate that the full featured %DVA05 is hardwired in RTE-6 for CTU, no modem configurations. See also SR No. 07518.

KPR #: 2200017707 Product: RTE-2 92001A .

Keywords: SWTCH

One-line description:
RTE II Switch cannot handle defective tracks on 7906 disc

KPR #: 2200051763 Product: RTE-2 92001A 20.13

Keywords: DVA05

One-line description:
DVR05/DVA05 OER-RUNS 263X PRINTING TERMINALS

Problem:
WHEN PRINTING ON 2635 OR 2631 TERMINALS CONNECTED TO A 1000 VIA 12966A WITH DVR05/DVA05 AND PRINTING LINES CONTAINING MANY UNDERLINED CHARACTERS, THE PRINTER LOOSES CHARACTERS AND MISSES THE CARRIAGE RETURN LINE FEED.

Cause:
WHEN THE UNDERLINED CHARACTERS ARE SENT IN THE CHARACTER, BACKSPACE, UNDERSCORE, CHARACTER, BACKSPACE, UNDERSCORE FORMAT THE DRIVER SENDS AN ENQ EVERY 33 CHARACTERS AND WAITS UP TO TWO SECONDS FOR THE ACK. SINCE THE PRINTER TAKES LONGER THAN TWO SECONDS TO PROCESS THE DATA THE ACK IS NOT ISSUED IN TIME. THE DRIVER TIMES OUT AND SENDS THE NEXT RECORD BUT SINCE THE PRINTER IS STILL BUSY THE DATA IS LOST.

Temporary solution:
UNDER INVESTIGATION. TWO POSSIBLE WORKAROUNDS:
SLOW DOWN THE BAUD RATE UNTIL THE PRINTER CAN

KEEP UP. SEND UNDERLINED DATA IN THE FOLLOWING
FORMAT:
CHARACTERS, BACKSPACES, UNDERSCORES, SPACE.

KPR #: 2200053827 Product: RTE-2 92001A 21.26

Keywords: EDITR

One-line description:
'A' AFTER 'BR, EDITR' WHILE LISTING WILL NOT ALWAYS ABORT

Problem:
IF A "BR,EDITR" COMMAND IS ISSUED WHILE THE EDITR IS LISTING TO A BUFFERED TERMINAL AND IT IS WAITING FOR THE LAST LINES TO BE OUTPUT FROM THE BUFFER (I.E. READ REQUEST FOR COMMAND INPUT IS ALREADY PENDING ON THE TERMINAL), THE EDITR ABORT COMMAND (A) WILL NOT ABORT THE EDITR. AT THIS POINT, THE EDITR WILL STOP PROMPTING, NO OTHER COMMANDS WILL WORK, AND THE USER MUST ENTER A SECOND "A" COMMAND TO ABORT. NO ABORT MESSAGE IS PRINTED.

KPR #: 2200018093 Product: RTE-4A 92067A .

Keywords: SPOOLING

One-line description:
GASP ABORTS IF DJAL ATTEMPTED ON JOB WITH MANY SPOOLS

Problem:
TITLE:GASP ABORTS IF DJAL ATTEMPTED ON JOB WITH MANY SPOOLS
If a JOB has more spool files associated with it than GASP can fit on one line (about 12), an attempt to display information about that JOB (via DJAL) will cause GASP to abend.
It does not work in RTE-4B or RTE-6/VM if the number of spool files is greater than 10.

Temporary solution:
Workaround:
Use DSAL which works.

Fix information:
To be fixed at A.85.

KPR #: 2200019612 Product: RTE-4A 92067A .

Keywords: ACCTS

One-line description:
ACCTS does not correctly report non-session CRN's

Problem:
ACCTS should make a reasonable report of CRN's
which are mounted non-session. This is particularly true when the "-O" report is also given to report an error in the attempt to get some status information from the disc.

Fix information:
Fixed in C.83.

KPR #: 2200020461 Product: RTE-4A 92067A .

Keywords: ACCTS

One-line description:
ACCTS Unload/Reload Problem

Problem:
Unloading the ACCTS file into another file (not LU) may corrupt the file. Reloading the file will then produce changes to the accounts structure that were not intended. Many different aberrations may occur.

KPR #: 2200021907 Product: RTE-4A 92067A .

Keywords: WRITT

One-line description:
WRITT gives spurious problems when DC option not specified

Problem:
If the "IH" option is specified, the "DC" option is not and the mag tape already contains a file, parity errors can occur or the eof between the existing mag tape file and the WRITT save can apparently get over-written. Also, it would be helpful if READT/WRITT returned with PRTN as an indicator whether or not the save/restore was successful.

Fix information:
The documentation on the DC option will be clarified. The enhancement request for PRTN is being considered.

KPR #: 2200022434 Product: RTE-4A 92067A .

Keywords: SPOOLING

One-line description:
GASP does not restart spoolfiles for 2608A printer

Fix information:
To be fixed at A.85.
The GASP "UP" command will be changed to check all halt files.

KPR #: 2200031179 Product: RTE-4A 92067A .

Keywords: POWERFAIL

One-line description:
POWER FAIL REPORTS INCORRECT DATE

Fix information:
Fixed at C.83.

KPR #: 2200045476 Product: RTE-4A 92067A 19.01

Keywords: DVR15

One-line description:
CARD READER DROPS FIRST COLUMN ON M-SERIES CPU

Problem:
WHEN READING CARDS FROM A 7261 CARD READER THE DRIVER APPEARS TO OCCASIONALLY DROP THE FIRST COLUMN. IN CON-TINUOUS READING THIS CAN HAPPEN ANYWHERE FROM 2 TO 30 MINUTES AFTER STARTING TO READ A STACK OF CARDS. THESE SYMPTOMS HAVE BEEN OBSERVED USING A 2112A CPU.

KPR #: 2200049643 Product: RTE-4A 92067A 20.13

Keywords: DVR32

One-line description:
DISC DYNAMIC STATUS CALL INCORRECT FOR DVR32

Problem:
PAGE 2-4 OF THE DVR32/DVA32 DISC DRIVER MANUAL INDICATES THAT THE TWO CONTROLLER STATUS WORDS CAN BE OBTAINED BY DOING AN EXEC READ CALL WITH THE FUNCTION CODE SET TO 23B

AND THE BUFFER LENGTH SET TO EITHER 2 OR 4. IF THE BUFFER LENGTH IS 2, ONLY THE CURRENT STATUS IS RETURNED AND IF THE BUFFER LENGTH IS 4, BOTH THE OLD AND CURRENT STATUS WORDS ARE RETURNED. IF THE BUFFER LENGTH IS NOT 2 OR 4, AN I007 ERROR IS RETURNED. THIS IS INCORRECT.

Cause:
FIRST OF ALL, THE BUFFER LENGTH IS TOTALLY IGNORED WITH A FUNCTION 23B. DVR32 EXPECTS IBUF(1) TO CONTAIN THE DISC UNIT NUMBER OF THE DRIVE THE CALLING PROGRAM IS REQUESTING STATUS ON. IT WILL THEN RETURN THE TWO STATUS WORDS IN IBUF(2) AND IBUF(3).

Fix information:

Tech Pubs Text. The paragraph at the bottom of page 2-4 should read as follows:
For DVA32, if the buffer length is 2, only the previous operation status words are returned in IBUFR(1) and IBURF(2), respectively. If the buffer length is 4, the two status words of the previous operation are returned in IBUFR(1) and IBUFR(2), and the current status words are returned in IBUFR(3) and IBUFR(4).

New text will be added as follows:
For DVR32, on exec call, IBUFR(1) contains the unit to request status from. For length=2, the driver returns the previous status in IBUFR(2) and IBUFR(3). For length=4, the driver returns the previous status in (2) and (3) and the current status in IBUFR(4) and (5).
Changes will be made in A.85 update. djp, 6/21/84

KPR #: 2200049700 Product: RTE-4A 92067A 20.26

Keywords: !DISK

One-line description:
!DISK GIVES FORMAT ERROR WITH CARTRIDGE > 2047 TRACKS

Problem:
!DISK REPORTS TAPE FORMAT ERRORIF DISC CARTRIDGE LU IS GREATER THEAN 2047 TRACKS.

Cause:
TRACK MASK IN SUBROUTINE RESTR IS INCORRECT. MASK IS 3777B BUT SHOULD BE 37777B AS PER APPENDIX A OF THE HP92068A UTILITY PROGRAMS REF. MAN.

KPR #: 2200049965 Product: RTE-4A 92067A 23.01

Keywords: LOADR

One-line description:
LOADR INCORRECLY SATISFIES EXTERNAL REFERENCES

Problem:
THE FOLLOWING EXAMPLE EXPLAINS THE PROBLEM.
- IF %1 HAS: ENT R,P
- IF %2 HAS: ENT P,S,R WHERE S HAS: EXT R

```
        - IF %T HAS:  EXT R,P,S   , THEN
        THE LOADING SEQUENCE:    RE,%T
                                 SE,%1
                                 SE,%2
                                 EN
```

WILL CAUSE THE EXT R IN S TO BE RESOLVED WITH THE ENT R IN %2 RATHER THAN WITH THE ENT R IN %1.

Cause:
THE LOADR LIBRARY DOES NOT CHECK TO SEE IF AN EXTERNAL REFERENCE HAS ALREADY BEEN RESOLVED BY A LIBRARY OR SUBROUTINE.

KPR #: 2200050518 Product: RTE-4A 92067A 20.40

Keywords: FILES

One-line description:
FMGR WILL NOT REUSE SAPCE OF A PURGED FILE

Problem:
WHEN A FILE WHOSE BLOCK SIZE IS GREATER THAN 16383 BLOCKS IS PURGED, AN ATTEMPT TO RECREAT THE FILE WITH THE SAME BLOCK SIZE WILL PRODUCE A 'FMGR-033' ERROR IF THERE IS NOT ENOUGH ROOM AT THE END OF THE DISC CARTRIDGE.

Cause:
THE FOLLOWING EXAMPLE WILL DEMONSTRATE THIS.

```
:CR,DUMMY::CR:4:16384
:CR,FILL ::CR:4:-1
:PU,DUMMY::CR
:CR,DUMMY::CR:4:16384
 FMGR-033
```

NOTE: IF THE DUMMY FILE SIZE IS 16383 OR LESS THE SECOND CREAT OF DUMMY WILL SUCCEED

Temporary solution:
AS A WORK AROUND PACK THE DISK BEFORE RECREATING THE FILE.

Fix information:
THIS IS A BUG IN D.RTR. HOWEVER, THE CIRCUMSTANCES UNDER WHICH THE BUG WILL BE SEEN ARE VERY RARE. ALSO, THERE IS A SIMPLE WORK-AROUND. THEREFORE, THE BUG WILL BE FIXED THE NEXT TIME D.RTR MUST BE CHANGED FOR ANOTHER REASON.

KPR #: 2200050963 Product: RTE-4A 92067A 21.01

Keywords: FMGR

One-line description:
THE FMGR SP COMMAND DOES NOT CHECK FOR VALID CAPABILITY PARAMETER

Problem:
THE FILE MANAGER SP COMMAND:

```
                          GR
SP,NAMR,<    >,CAPABILITY
                          PR
```


ALLOWS NEGATIVE CAPABILITIES AND CAPABILITIES GREATER THAN 63.

Cause:
THE SP COMMAND DOES NOT CHECK FOR A VALID CAPABILITY.
FOR EXAMPLE: SP,NAME,,-64 (WORKS - ANYONE CAN RUN IT)
SP,NAME,,777 (WORKS - NO ONE CAN RUN IT)

Temporary solution:
AS A WORKAROUND, MAKE SURE YOU SPECIFY A VALID CAPABILITY.

KPR #: 2200051292 Product: RTE-4A 92067A 20.40

Keywords: DVB12

One-line description:
READ FROM 2608 PRINTER USING DVB12 CAUSES SYSTEM TO HANG AND MAYBE CRASH

Problem:
A READ FROM THE 2608 LINE PRINTER USING DVB12 WILL CAUSE THE SYSTEM TO HANG, AND POSSIBLY CRASH WITH A HALT 2. THE READ COULD BE A READ IN A PROGRAM, OR A FMGR COMMAND WHICH CAUSES A READ (E.G. :LI,6 OR :DU,<FILE>,6,,2).

Cause:
THE 2608 ALLOWS A READ OF ITS CHARACTER SET BUT DOES NOT RETURN AN END OF FILE. THIS CAUSES SYSTEM TO HANG, READING THE CHARACTER SET OVER AND OVER AGAIN, LOOKING FOR AN END OF FILE. SOMETIMES, A CRASH OCCURS. THIS PROBLEM SHOULD ONLY OCCUR DUE TO USER ERROR, BUT DVB12 SHOULD BE ABLE TO HANDLE READS PROPERLY, OR NOT ALLOW THEM AT ALL.

Fix information:
TO BE FIXED IN REVISION C.83

Signed off 07/05/84 in release 22.40

KPR #: 2200051326 Product: RTE-4A 92067A 21.01

Keywords: ACCTS

One-line description:
LINKING ACCOUNTS TOGETHER LOSES DISC CARTRIDGES

Problem:
AN ALLOCATED CARTRIDGE IS LOST WHEN THE FOLLOWING SEQUENCE IS USED TO LINK ACCOUNTS:

1. CREATE NEW USER XXX.SYS
2. " " " YYY.ZZZ
3. ALLOCATE A CRN TO XXX.SYS WITH "AC,FH", AND "EX,SP".
4. ALTER USER XXX.SYS TO LINK HIM TO ACCOUNT YYY.ZZZ
5. LOGON AS XXX.SYS AND DO A "CL".

THE CARTRIDGE "FH" IS NOW GONE. IT SHOWS UP AS MOUNTED TO NO SESSION.
FURTHERMORE, WHEN CREATING A NEW USER THE CARTRIDGE APPEARS

IN THE "CL" OF THAT USER.

Temporary solution:
LINK ACCOUNTS BEFORE A CARTRIDGE HAS BEEN ALLOCATED.

KPR #: 2200051516 Product: RTE-4A 92067A 19.03

Keywords: AUTOR

One-line description:
AUTO RESTART PROGRAM DOES NOT HANDLE LEAP YEARS

Problem:
LEAP YEAR IS NOT ACCOUNTED FOR IN TIME/DATE CALCULATION. THIS ERROR IS ALSO IN &AUTO7 (91730-18009), POWER-FAIL RESTART FOR MULTIPOINT TERMINALS.

Cause:
WHEN CALCULATING TIME AND DATE OF POWER FAIL, &AUTOR ASSUMES THAT THERE ARE ALWAYS 365 DAYS IN A YEAR.

Fix information:
FIXED IN REVISION C.82.
THE CORRECTED MODULE WAS INADVERTENTLY NOT DISTRIBUTED.
IT WILL BE DISTRIBUTED IN THE NEXT REVISION.

Signed off 07/05/84 in release 23.40

KPR #: 2200051649 Product: RTE-4A 92067A 20.13

Keywords: JOB

One-line description:
JOB DOES NOT ACCEPT READ/WRITE PROTECTED FILES

Problem:
RUNNING "JOB" AND PASSING IT A FILE WITH A NEGATIVE SECURITY CODE (READ/WRITE PROTECTED) DOES NOT WORK, THE JOB IS ABORTED. AN IDENTICAL FILE WITH A POSITIVE SECURITY CODE IS PROCESSED AS EXPECTED.

Cause:

```
DOES NOT WORK:          DOES WORK:
 FILE JP1:-10            FILE JP2:10
      :JO                     :JO
      :DL,HF                  :DL,HF
      :EOJ                    :EOJ
```

KPR #: 2200051664 Product: RTE-4A 92067A 20.13

Keywords: DVB12

One-line description:
DVB12 CAUSES HALT 2 OR 3 OR LOOPING WITH INTERRUPT SYSTEM OFF

Problem:

THE PROBLEM OCCURS IF THE LINE PRINTER IS DISCONNECTED AND AN ATTEMPT IS MADE TO OUTPUT TO THE 2608A. A TIMEOUT OCCURS, AND WHEN THE PRINTER IS PHYSICALLY RECONNECTED AND AN "UP,EQT" IS ISSUED, ONE LINE OF PRINT WILL BE PRINTED AND A SYSTEM FAILURE WILL OCCUR. THE SYSTEM FAILURE WILL BE A HALT 2, OR HALT 3 IF THE PRINTER IS BUFFERED, OR CONTINUOUS LOOPING WITH THE INTERRPUT SYSTEM OFF IF THE PRINTER IS UNBUFFERED.

Cause:
THE FIRST WORD OF THE EQT EXTENSION LABELED EQT12 IN THE DRIVER SERVES TWO PURPOSES, ONE IS AS A NEGATIVE COUNTER AND THE OTHER IS AS A STORAGE PLACE FOR THE RETURN ADDRESS WHEN COMMAND MODE IS SET. THE PROBLEM DESCRIBED ABOVE CAUSES COMMAND MODE TO BE SET AND NOT GET CLEARED PROPERLY. WHEN THE "UP,EQT" IS SENT THE I/O IS RESTARTED BUT COMMAND MODE IS STILL SET. THUS WHEN THE CONTINUATION INTERRUPT IS RECIEVED EQT12 WAS LEFT AS A NEGATIVE COUNTER, BUT IS NOW USED AS AN ADDRESS IN THE DRIVER. THIS MISUSE OF EQT12 RESULTS IN THE HALT 2,3 OR LOOPING.

Temporary solution:
TO PREVENT ERRONEOUS LEFTOVER SETTING OF THE COMMAND MODE FLAG IN BIT0 OF EQT11 IT COULD BE CLEARED ON EVERY INITIATOR ENTRY TO THE DRIVER BY THE FOLLOWING CODE:

```
  OLD CODE:          NEW CODE:
  IB12 NOP           IB12 NOP
       JSB SETIO          JSB SETIO
       JSB TMOUT          JSB TMOUT
       LDA EQT11,I        LDA EQT11,I
       SSA                SLA
                          XOR D1
                          SSA
```

Fix information:
TO BE FIXED IN REVISION C.83

KPR #: 2200051730 Product: RTE-4A 92067A 19.05

Keywords: DVR33

One-line description:
NO RECOVERY FROM BAD MOUNT OR FORMAT

Problem:
A FLOPPY DISK IS FORMATTED TO STORE IN TRACK 0, SECTOR 0, WORD 1 THE NUMBER OF GOOD TRACKS IT CONTAINS. IT IS POSSIBLE FOR THIS INFORMATION TO BE WRITTEN INCORRECTLY BY THE UTILITY, DISKET, IF HARDWARE ERRORS OCCUR (FAULTY INTERFACE CABLE, VIBRATIONS, ETC.). WHEN AN ATTEMPT IS MADE TO MOUNT A FLOPPY WHICH HAS BAD INFORMATION IN WORD 1 (A ZERO OR NEGATIVE VALUE), THE MOUNT FAILS (FMGR-001). THE PROBLEM IS THAT WHEN THE MOUNT IS ATTEMPTED DVR33 STORES THE BAD INFORMATION INTO AN INTERNAL TABLE, AND

EVEN IF A GOOD FLOPPY IS LATER SWAPPED FOR THE BAD FLOPPY
THE DISK CANNOT BE MOUNTED.

Temporary solution:
RE-BOOT TO CLEAR DVR33'S TABLES. THE DRIVER
SHOULD VALIDATE THE NUMBER OF GOOD TRACKS AND/OR PROVIDE
A CONTROL CALL TO RE-INITIALIZE THE TABLE ENTRY.

Fix information:
Fixed at A.83.

Signed off 07/05/84 in release 23.01

KPR #: 2200051904 Product: RTE-4A 92067A 20.40

Keywords: RT4GN

One-line description:
RT4GN DOES NOT ALWAYS HANDLE DRIVER RELOCATION PROPERLY

Problem:
SOMETIMES A DRIVER THAT CAN FIT IN A PARTITION WITH ANOTHER
DRIVER IS GIVEN IT'S OWN PARTITION. ONCE A DRIVER OVERFLOW
HAS OCCURED ANOTHER DRIVER WHICH COULD FIT IN THE SAME
PARTITION WHERE THE OVERFLOW OCCURED, IS NOT SELECTED
BUT PUT IN IT'S OWN PARTITION.

Cause:
THE VARIABLE 'LEFTO' IN RT4G8 IS USED TO KEEP TRACK
OF THE REMANING SPACE IN A DRIVER PARTITION, BUT THE
VALUE IS NOT SAVED IN COMMON. RT4G4 IS CALLED TO LOAD
THE DRIVER INTO THE PARTITION ('\DPLD'). THEREFORE,
WHEN THE SEGMENT RT4G8 IS RELOADED 'LEFTO' IS SET TO
ZERO.

Temporary solution:
REARRANGE THE DRIVERS TO AVOID PARTITION OVERFLOW.

KPR #: 2200052175 Product: RTE-4A 92067A 20.26

Keywords: READT

One-line description:
READT REQUESTS A LARGER THAN NECESSARY CARTRIDGE

Problem:
WHEN RESTORING A WRITT SAVE OF A 96 SECTOR PER TRACK
DISC CARTRIDGE TO A 128 SECTOR PER TRACK DISC CARTRIDGE,
READT REQUESTS MORE DISC TRACKS THAN ARE REALLY NECESSARY
TO RESTORE THE CARTRIDGE.

Cause:
READT REQUESTS A CARTRIDGE FOR THE RESTORE THAT HAS
THE SAME NUMBER OF TRACKS AS THE CARTRIDGE WHICH WAS
ORIGINALLY SAVED. THERE IS NO ALLOWANCE MADE FOR THE
FACT THAT THE INFORMATION IS BEING RESTORED IN A MORE
DENSE FORMAT (128 SECTORS PER TRACK), AND THEREFORE

FEWER TRACKS WILL BE REQUIRED.

Temporary solution:
AS A WORK AROUND USERS MAY RESTORE
THEIR TAPE TO A LARGE 128 SECTOR PER TRACK CARTRIDGE,
RE-SAVE THIS INTERMEDIARY CARTRIDGE (WHICH WILL HAVE
FEWER TRACKS FILLED WITH INFORMATION), AND THEN
RESTORE THIS INTERMEDIARY SAVE TO A SMALLER 128
SECTOR PER TRACK CARTRIDGE.

Fix information:
To be fixed at A.85

KPR #: 2200052530 Product: RTE-4A 92067A 20.26

Keywords: !DISK

One-line description:
H-DISC CAN CORRUPT DATA DURING OFFLINE COPY

Problem:
WHEN PERFORMING A DISC-TO-DISC COPY WITH THE OFF-
LINE UTILITY !DISK, THE HPIB DISC CONTROLLER WILL
OCCASIONALLY CORRUPT A TRACK. THE CORRUPTED TRACK
WILL HAVE A DECIMAL -1 (ALL BITS SET) IN EVERY WORD
OF SECTOR ZERO, AND NO CHANGE TO THE DATA ON THE
OTHER SECTORS OF THAT TRACK.

Cause:
AS ABOVE. ONLY CERTAIN COMBINATIONS OF CPU'S AND
MEMORY SYSTEMS WILL EXHIBIT THIS FAILURE. THE
PROBLEM OCCURS WHEN THE COMPUTER CAN'T SUPPLY DATA
TO THE DISC FAST ENOUGH. THE BUFFER IN THE HPIB DISC
CONTROLLER "UNDERFLOWS". A STATUS BYTE IS RETURNED
TO !DISK INDICATING THAT A PROBLEM HAS OCCURRED, BUT
THE UTILITY DOES NOT CHECK THIS BYTE AND THEREFORE
CONTINUES THE COPY OPERATION, UNAWARE THAT ANY ERROR
HAS OCCURRED.
!DISK NEED TO CHECK THE STATUS
INFORMATION THAT IS RETURNED BY THE HPIB CONTROLLER.

KPR #: 2200052597 Product: RTE-4A 92067A 20.13

Keywords: SPOOLING

One-line description:
SPOOLED FILE GETS 'BAD EOF' IF DISC EQT LOCKED

Problem:
SUPPOSE A FILE IS IN THE PROCESS OF OUT-SPOOLING
TO THE LINE PRINTER. IF A USER PROGRAM FOR SOME
REASON LOCKS THE EQT OF THE DISC ON WHICH THE
SPOOL FILES ARE CONTAINED, THE LISTING WILL ABORT
WITH A "BAD EOF" ERROR. THE MESSAGE "LU6 EOF ER
SPOL01" WILL BE DISPLAYED ON THE SYSTEM CONSOLE.

Temporary solution:

THE SPOOLED JOB MUST BE RESTARTED WHEN THIS ERROR OCCURS.

KPR #: 2200052761 Product: RTE-4A 92067A 20.40

Keywords: LOADR

One-line description:
LOADR DOES NOT ALWAYS REPORT INPUT ERRORS

Problem:
IF A USER MAKES AN ERROR IN RESPONSE TO THE LOADR'S "/LOADR:" PROMPT, THE LOADR USUALLY RESPONDS WITH "??". IF A CHARACTER STRING BEGINNING WITH "OP" AND NOT HAVING A COMMA AS THE THIRD CHARACTER IS INPUT (E.G. OPXYZ OR OP.LB) PRIOR TO ENTERING ANY "RE" OR "LI" COMMANDS, THE LOADR WILL NOT RECOGNIZE AN ERROR AND WILL NOT RESPOND WITH "??". ONCE AN "RE" OR "LI" COMMAND IS ENTERED, THE LOADR WILL RESPOND TO ANY "OP..." WITH "??".

Temporary solution:
BE CAREFUL WHEN USING THE "OP" LOADR COMMAND.

Fix information:
To be fixed on A.85.

KPR #: 2200052779 Product: RTE-4A 92067A 20.13

Keywords: JOB

One-line description:
BATCH JOBS DO NOT SET CORRECT PRIORITIES

Problem:
USERS HAVE TWO OPPORTUNITIES TO SET THE PRIORITY THAT A BATCH JOB WILL EXECUTE AT. IN THE "JO" COMMAND WITHIN THE JOB COMMAND FILE THE THIRD PARAMETER IS DOCUMENTED TO SET THE JOB PRIORITY. THE USER IS ALSO SUPPOSED TO BE ABLE TO OVER-RIDE THIS PRIORITY BY SPECIFYING A NEW PRIORITY AS A PARAMETER IN THE "JOB" RUN STRING (RU,JOB,FILE,PRIOR).
THE PRIORITY THAT A JOB ACTUALLY RUNS AT HOWEVER, IS THE DEFAULT (99) REGARDLESS OF WHAT PRIORITY IS SPECIFIED IN THE "JO" COMMAND AT THE BEGINNING OF THE JOB. IF AN OVER-RIDING PRIORITY IS SPECIFIED IN THE "JOB" RUN STRING, THAT VALUE WON'T BE USED, BUT INSTEAD THE VALUE THAT WAS SPECIFIED IN THE "JO" COMMAND AT THE BEGINNING OF THE JOB.
FOR EXAMPLE, THE JOB:

```
:JO,XYZ,USER.GENERAL,60
:RU,WHZAT,6,AL
:EO
```

WHEN EXECUTED WITH THE RUN STRING:	GASP REPORTS JOB PRIORITY TO BE:
:RU,JOB,XYZ	99

:RU,JOB,XYZ,110 60
NOTE ALSO THAT IF "RU,JOB,XYZ,110" IS ENTERED FROM THE MANAGER.SYS ACCOUNT, GASP WILL REPORT THE JOB'S PRIORITY AS 110.

KPR #: 2200052845 Product: RTE-4A 92067A 20.26

Keywords: SPOOLING

One-line description:
SMP HANGS UP ON 'LU,6,NAMR'

Problem:
IF ":LU,6,XXX::11,WH" IS EXECUTED INSIDE A COMMAND FILE SUBMITTED TO "JOB", THE NEXT COMMAND IN THE FILE IS NOT EXECUTED. "WHZAT" WILL SHOW:

```
*SMP    STATUS 3, RN..., LUPRG=FMGR
*SPOUT  STATUS 3, CL...
*FMGR   STATUS 3, SMP'S QUEUE
```

Temporary solution:
USE "OF,SMP,1".

KPR #: 2200052928 Product: RTE-4A 92067A 21.01

Keywords: HELP

One-line description:
ERROR MISSING FROM HELP FILE (L-IN CAP)

Problem:
THE L-IN CAP ERROR IS NOT IN THE HELP FILE.
FOR EXAMPLE,

```
:RU,LOADR
   /LOADR: OP,PE        LOGGED ON WITH CAPABILITY
   /LOADR: L-IN CAP     OF 30 - LOADR ABORTED
```

Fix information:
To be fixed on A.85.

KPR #: 2200053009 Product: RTE-4A 92067A 20.26

Keywords: RT4GN

One-line description:
RT4GN FAILS IF NO EQT'S DEFINED

Problem:
IF THE ANSWER FILE FOR AN RTE-IVB GENERATION IS INCORRECT SUCH THAT NO EQT'S ARE DEFINED (THAT IS, AN EXTRANEOUS "/E" IS INCLUDED IN THE ANSWER FILE) THE GENERATOR DIES WITH EITHER A DM VIOLATION OR AN INFINITE LOOP IN STATE 1. RT4GN SHOULD DETECT THIS PROBLEM AND ISSUE AN APPROPRIATE ERROR MESSAGE.

KPR #: 2200053512 Product: RTE-4A 92067A 21.26

Keywords: SPOOLING

One-line description:
DATA LOST WITH BUSY SPOOLING AND BUFFERED FILE

Problem:
IF THE SPOOLER IS BUSY, A SPOOL FILE OPEN WITH BUFFERING MAY LOSE ALL DATA SENT TO IT, WITH NO ERROR MESSAGE. THE RECORD POSITION OF THE FILE DOES NOT CHANGE.

Temporary solution:
OPEN THE SPOOL FILE & WRITE SOME RECORDS TO IT. IF THE RECORD POSITION HAS CHANGED, THE SPOOL FILE IS OK. OTHERWISE, CLOSE THE FILE AND TRY AGAIN. IF THE FILE IS IK TO START WITH, IT WILL BE IK FOR THE REST OF ITS USE.

KPR #: 2200053785 Product: RTE-4A 92067A 20.13

Keywords: SPOOLING

One-line description:
IEOF DOES NOT WORK WITH A SPOOLED DEVICE

Problem:
WHEN READING FROM A SPOOLED TAPE, THE IEOF DOES NOT WORK. ALL OTHER METHODS FOR FINDING THE END OF FILE SUCH AS THE A REGISTER STATUS WORK PROPERLY.

Temporary solution:
USE BIT 7 OF EQT WORD 5.

KPR #: 2200053801 Product: RTE-4A 92067A 21.26

Keywords: TIME SCHEDULE

One-line description:
SCHEDULING A PROGRAM IN ANOTHER SESSION'S TIME LIST NOT INHIBITED

Problem:
THE RTE-IVB TERMINAL USER'S REFERENCE MANUAL STATES: "EXEC SCHEDULE...REFERENCING A PROGRAM IN THE TIME LIST MAY ONLY BE ISSUED BY ANOTHER PROGRAM OF THE SAME SESSION." WHILE VIOLATING THIS RULE CAUSES THE OFFENDING PROGRAM TO BE ABORTED WITH AN SC11 ERROR, THE PROGRAM IN THE TIME LIST IS SCHEDULED ANYWAY. THIS DOES NOT OCCUR IF THE PROGRAM SCHEDULING IS ATTEMPTED WITH A SYSTEM COMMAND.

Fix information:
To be fixed on A.85.

KPR #: 2200053991 Product: RTE-4A 92067A 21.40

Keywords: MASTER SECURITY CODE

One-line description:
INITIALIZATION OF LU 2 DOES NOT SET SYSTEM MASTER SECURITY CODE

Problem:
AFTER A SWTCH THE INITIALIZATION OF LU 2 DOES NOT SET THE MASTER SECURITY CODE. THUS CARTRIDGES CAN BE INITIALIZED WITHOUT SPECIFING THE SECURITY CODE. A WORKAROUND IS TO SET THE SECURITY CODE WITH THE "IN" COMMAND AS FOLLOWS:
IN,XX--"SC" WHERE "SC"IS THE DESIRED SECURITY CODE.

KPR #: 2200054015 Product: RTE-4A 92067A 19.26

Keywords: READT

One-line description:
READT/WRITT WILL NOT WORK WITH 8 BIT DATA TYPE TERMIALS

Problem:
IN THE MESSAGES IN CONJUNCTION WITH UTILITIES READT AMD WRITT THE 1ST CHARACTER OF CARTRIDGE LABEL IS ALWAYS DISPLAYED AD A 8-BIT CHARACTER ON THE 8-BIT DATA TYPE TERMINAL.

Cause:
THIS IS BECAUSE THE BIT 15 OF THE FIRST WORD FOR A CARTRIDGE LABEL IN THE CARTRIDGE ENTRY IS ALWAYS SET TO DISTINGUISH CARTRIDGE ENTRY FROM FILE ENTRY.
IT IS DESIRED FOR THE UTILITY PROGRAMS TO FORCE THE 8TH BIT OF THE FIRST CHARACTER TO BE ZERO WHENEVER THEY PREPARE CARTRIDGE LABELS FOR THEIR MESSAGES.
FOR MORE DETAIL, PLEASE REFER TO "KATAKANA HANDLING CAPABILITY TEST OF THE HP 1000 SYSTEM AND 2645J YHP KATAKAN TERMINAL" DEC. 1, 1980. 9-7 AND TO 9-8 .

Fix information:
To be fixed at A.85 in Readt. Writt fixed.

KPR #: 2200054023 Product: RTE-4A 92067A 19.26

Keywords: ASSEMBLER

One-line description:
MODIFIED ASSEMBLY LANGUAGE LISTING USING 8 BIT DATA

Problem:
IN A MIXED ASSEMBLY LANGUAGE LISTING OF A PROGRAM WHICH INCLUDES 8-BIT CODES AS COMMENTS AND/OR DATA. THE 8-BIT CODES ARE MODIFIED AND SHOWN AS TWO U.S. ASCII'S IN THE FOLLLOWING ASSEMBLY INSTRUCTION (ASC 1,XX).

Cause:
SOME PIECE OF SOFTWARE FORCES ALL 8TH BITS OF 8-BIT CODES TO ZERO,BEFORE IT LISTS THEM IN SEQUENCE OF ASC 1,XX

INSTRUCTIONS.
IT IS DESIRED NOT TO FORCE THE 8TH BIT OF THE 8-BIT CODES WHEN DISPLAYING THEM IN SERIES OF ASC 1,XX INTRUCTIONS. FOR MORE DETAIL, PLEASE REFER TO "KATAKANA HANDLING CAPABILITY TEST OF THE HP 1000 SYSTEM AND 2645J YHP KATAKANA TERMINAL" DEC. 1, 1980. 10-18

KPR #: 2200054296 Product: RTE-4A 92067A 19.03

Keywords: SPOOLING

One-line description:
SPOUT GETS MEMORY SUSPENDED AND DEADLOCK OCCURS

Problem:
INTERMITTENTLY, WHEN A USER LOGS OFF OR CLOSES AN OUT-SPOOL TO THE LINE PRINTER, SAM GETS FULL OF 8 WORD BLOCKS THAT BELONG TO SPOUT'S CLASS NUMBER.

Cause:
SPOUT USES A QUEUE DEPTH FOR CLASS WRITE REQUESTS TO A DEVICE, BUT DOES NOT USE THIS FOR CONTROL REQUESTS. CONSEQUENTLY, IF A USER PROGRAM SENDS A MASS OF CONTROL REQUESTS TO A SPOOLED DEVICE, SPOUT WILL CONTINUE SENDING THEM OUT TO THE DEVICE UNTIL IT GETS MEMORY SUSPENDED. SPOUT IS ALSO SUPPOSED TO DO CLASS 'GETS' TO REMOVE THESE BUFFERS, SO WE HAVE A DEADLOCK.

KPR #: 2200054338 Product: RTE-4A 92067A 21.26

Keywords: FILES

One-line description:
PERIODICALLY, FILES ARE SEEN OPEN TO INCORRECT PROGRAMS

Problem:
PERIODICALLY, FILES ARE SEEN OPEN TO INCORRECT PROGRAMS.

Cause:
THE SEQUENCE COUNTER IN THE ID SEGMENT IS OCCASIONALLY INCREMENTED BY TWO. THIS DOUBLES THE FREQUENCY AT WHICH THE COUNTER ROLLS OVER, THUS DOUBLING THE FREQUENCY OF THE OPEN PROBLEM.
THE PROBLEM OCCURS WHEN PROGRAMS ARE OFF'ED TO ABORT PROCESSSING. FILES ARE LEFT OPEN TO THE ID SEQMENT OF THE OFF'ED PROGRAM, AND WHEN THAT PROGRAM IS REPLACED BY ANOTHER IN THE SAME ID SEG, IT LOOKS AS THOUGH THE FILE IS OPEN TO THE WRONG PROGRAM.

Temporary solution:
DOING A SUFFICIENT NUMBER OF DL'S FROM FMGR ALLEVIATES THE PROBLEM. THIS ACCESSES THE DIRECTORIES AND CLOSES OFF OPEN FILE FLAGS.

KPR #: 2200054478 Product: RTE-4A 92067A 21.40

One-line description:
$DATC CONTAINS THE WRONG REVISION CODE IN 2140

Problem:
$DATC DOES NOT CONTAIN THE CORRECT REVISION CODE IN 2140. IT CONTAINS A VALUE OF '2101'.

Temporary solution:
THE USER CAN INCLUDE IN THE GENERATION
$DATC,ABS,4134B TO SET IT TO '2140'.

Signed off 07/05/84 in release 23.40

KPR #: 2200054569 Product: RTE-4A 92067A 21.40

Keywords: RT4GN

One-line description:
RT4GN DOES NOT CORRECTLY MODIFY DRIVER MAP TABLE

Problem:
IF DRIVER PARTITION OVERFLOW IS ENCOUNTERED BY RT4GN WHEN TRYING TO RELOCATE DVM00 INTO A DRIVER PARTITION, THEN THE GENERATOR ALLOCATES A NEW PARTITION BUT DOES NOT MODIFY THE DRIVER MAP TABLE TO POINT TO THE CORRECT DRIVER PARTITION. THE DRIVER PARTITION OVERFLOW IS NOT CONSIDERED TO BE A GEN ERROR, THUS THE SYSTEM SWITCHES CORRECTLY. HOWEVER, WHEN THE USER ATTEMPTS TO UTILIZE THE MUX PORT AND THE DRIVER ENTERES A PORTION OF CODE WHICH IS NOT COMPLETELY THERE, THE PORT GOES DOWN.

KPR #: 2200054585 Product: RTE-4A 92067A 20.40

Keywords: SWAPPING

One-line description:
LAST BASE PAGE LINK NOT RESTORED ON A SWAP IN

Problem:
ON AN INITIAL LOAD, THE DISPATCHER USES LOCATION 25 IN THE PROGRAM'S ID SEGMENT (WHICH CONTAINS THE HIGH BASE PAGE ADDRESS + 1) TO DETERMINE HOW MUCH OF THE BASE PAGE TO LOAD IN. WHEN A PROGRAM IS SWAPPED BACK IN FROM THE DISC, THE DISPATCHER USES LOCATION 1743B IN THE SYSTEM COMMUNICATION AREA (WHICH CONTAINS THE LAST WORD AVAILABLE OF USER BASE PAGE AREA) TO DETERMINE THE AMOUNT OF BASE PAGE TO READ IN. THIS RESULTS IN THE LAST LINK NOT BEING RESTORED IF THE PROGRAM USES ALL AVAILABLE BASE PAGE LINKS.

Temporary solution:
AS A WORKAROUND, REORGANIZE AND
RELOAD THE PROGRAM TO USE FEWER BASE PAGE LINKS.

Signed off 07/05/84 in release 22.26

KPR #: 2200054593 Product: RTE-4A 92067A 20.40

Keywords: SWAPPING

One-line description:
DISPATCHER SWAP DELAY ALGORITHM IS NOT CORRECT

Problem:
THE DISPATCHER CHECKS, AMONG OTHER THINGS, THAT A PARTITION CONTAINING A DORMANT RESIDENT IN THE TIME LIST WITH A PRIORITY GREATER THAN THE CONTENDING PROGRAM IS NOT SWAPPED IF ITS TIME IS NEAR. THE CODE FOR THIS CHECK DOES NOT WORK.

Cause:
THIS CAN BE SEEN BY THE FOLLOWING EXAMPLE:
ONE PROGRAM HAS A HIGH PRIORITY, IS COMPUTE-BOUND, AND IS TIME SCHEDULED WITH A TIME INTERVAL THAT IS LESS THAN THE SYSTEM'S SWAP DELAY. A SECOND PROGRAM ONLY OUTPUTS A MESSAGE TO A TERMINAL. BOTH PROGRAMS ARE ASSIGNED TO THE SAME PARTITION IN A QUIET SYSTEM. MAKE THE FIRST PROGRAM HIGHER PRIORITY, THEN RUN IT. RUN THE SECOND PROGRAM. THE SECOND PROGRAM SHOULD NEVER BE DISPATCHED (BECAUSE OF THE SWAP DELAY), BUT YOU WILL NOTICE AN EXTRAORDINARY AMOUNT OF DISC ACTIVITY.

Fix information:
To be fixed on A.85.

KPR #: 2200055152 Product: RTE-4A 92067A 21.01

Keywords: LGTAT

One-line description:
LGTAT GENERATES DYNAMIC MAPPING ERROR AT 1177B RELOCATABLE

Problem:
INTERMITTENT DM AT RELOCATABLE ADDRESS 1177B WHEN EMA PROGRAMS SWAPPING OR BEING SWAPPED.

Cause:
THE CODE AT LINE 761 (1174B RELOCATABLE) INCLUDES:

```
1174    XLA A,I    GET ADDRESS OF ID EXTENT
1176    ADA TWO    COMPENSATE FOR STARTING AT ZERO
                   & POINT TO WORD TWO OF ID EXTENT
1177    XLA A,I    GET # OF TRACKS FOR EMA SWAP
```

AND AT LINE 436:

```
535 TWO  LDB LUDSK  DETERMINE SUBCHANNEL
```

THE ADD INSTRUCTION SHOULD HAVE REFERRED TO THE LABEL 'D2' RATHER THAN ADDING THE CONTENTS OF AN INSTRUCTION. THIS CODE IS NOT EXECUTED IF AN EMA PROGRAM IS NOT BEING CHECKED.

Temporary solution:
AS A WORKAROUND, CHANGE THE

'ADA TWO' TO 'ADA D2'. D2 IS DEFINED AT LINE 848 (1346B RELOCATABLE).

KPR #: 2200055491 Product: RTE-4A 92067A 21.40

Keywords: LOADR

One-line description:
LOADR DOES NOT REUSE ID EXT IN THE REPLACEMENT MODE

Problem:
IF ALL ID EXTENSIONS GENERATED INTO THE SYSTEM ARE USED AND THE USER TRYS TO RELOAD ONE OF THE PROGRAMS THAT USE EMA BY SAYING "OP,RP", THE LOADR DOES NOT REUSE THE EXTENSION WHICH IS ALLOCATED TO THIS PROGRAM. SINCE THERE ARE NO ADDITIONAL EXTENSIONS, THE RTE-4B LOADER WILL ABORT WITH AN ERROR MESSAGE.

Cause:
Loadr builds a new ID segment before it purges the old.

Temporary solution:
Generate more ID Extensions than you will ever need
or
Purge the program first.

KPR #: 2200055731 Product: RTE-4A 92067A 20.13

Keywords: DVB12

One-line description:
LI,6 FROM DVB12 PRINTER HANGS SYSTEM

Problem:
IF A 'LI,6' COMMAND IS GIVEN TO FMGR WHERE LU 6 IS A DVB12 DEVICE, THE SYSTEM WILL HANG WITH THE INTERRUPT LIGHT OUT.

Cause:
AS ABOVE. NOTE THAT THIS WAS ORIGINALLY LOGGED UNDER SSB# 4607, AND WAS CLOSED AS BEING FIXED AT 2013. HOWEVER, THE PROBLEM IS STILL PRESENT IN THE 2013 VERSION OF THE DRIVER.

Fix information:
TO BE FIXED IN REVISION C.83

KPR #: 2200056267 Product: RTE-4A 92067A 20.40

Keywords: LOADR

One-line description:
LOADR DOES NOT RECOGNIZE MEMORY OVERFLOW

Problem:
PROGRAMS THAT SHOULD OVERFLOW MEMORY APPEAR TO LOAD SUCCESSFULLY. THE PROGRAMS WILL NOT RUN.

KPR #: 2200057323 Product: RTE-4A 92067A 21.26

Keywords: ACCTS

One-line description:
ACCTS PROGRAM IS NOT SWAPPABLE

Problem:
ACCTS USES EXEC READS RATHER THAN REIO. THEREFORE, THE PROGRAM DOES NOT GET SWAPPED ONCE IT HAS STARTED RUNNING - YOU MUST EXIT ACCTS IN ORDER TO SWAP ACCTS OUT OF ITS PARTITION.

Signed off 07/05/84 in release 23.40

KPR #: 2200057356 Product: RTE-4A 92067A 22.13

Keywords: RT4GN

One-line description:
USER TRACK MAP TABLE WILL NOT OVERRIDE RT4GN CREATE TRACK MAP TABLE

Problem:
IF THE USER RELOCATES A TRACK MAP TABLE DURING THE SYSTEM GEN, BUT THE GENERATOR HAS ALREADY CREATED A TRACK MAP TABLE, A "GEN ERR 5" RESULTS. HOWEVER THE USER TABLE IS NOT USED.
THIS PREVENTS THE USER FROM USING A 790X H DRIVE ALONG WITH A 9895 ON THE SAME INTERFACE CARD, SINCE RT4GN WILL NOT CREATE BOTH A 96SECT/TRACK AND A 60SECT/TRACK TABLE.

KPR #: 2200057992 Product: RTE-4A 92067A 19.03

Keywords: FMP ERRORS FMGR

One-line description:
I006 ERROR WHEN NUMBER OF TRACKS ON LU2 < NUMBER OF TRACKS ON LU3

Problem:
PK.. REFERS TO THE WRONG BASE PAGE COMMUNICATIONS AREA ADDRESS TO RETRIEVE #SEC/TRK ON LU3. IT ACTUALLY REFERS TO # TRKS ON SYSTEM DISK (1756K) SO THAT WHEN #TRKS ON SYSTEM DISK IS LESS THAN #SEC/TRK OF LU2 THE WRONG NUMBER OF TRKS IS REQUESTED.

KPR #: 2200058115 Product: RTE-4A 92067A 21.40

Keywords: FMGR

One-line description:
FMGR COMMAND CAN HAVE UNPREDICATABLE RESULTS

Problem:
A TRANSFER FILE PRINTS GARBAGE TO THE TERMINAL ON WHICH IT IS EXECUTING. THE SAME TRANSFER FILE WILL WORK CORRECTLY FROM ANOTHER TERMINAL.

Cause:
THE PROBLEM WAS TRACED TO FM.CM. THE FMGR COMMAND LOOKED LIKE A DCB IN THAT WORD 9 WAS THE CORRECT ID SEGMENT ADDRESS. FM.CM SHOULD HAVE MADE OTHER TESTS BUT DOES NOT.

KPR #: 2200000240 Product: RTE-4B 92068A 23.01

Keywords: ASSEMBLER

One-line description:
Assembler not creating relocatable file intermittantly

Fix information:
To be fixed at A.85.

KPR #: 2200000273 Product: RTE-4B 92068A 22.26

Keywords: LOGOF

One-line description:
LOGOF should set Bit 12 for reliable terminal

KPR #: 2200000406 Product: RTE-4B 92068A 21.40

Keywords: RTE-IVB

One-line description:
Inproper LOGOF message

Fix information:
To be fixed on A.85.

KPR #: 2200000422 Product: RTE-4B 92068A 21.26

One-line description:
SEGLD Fails if the 'FILE' name is different from the 'SEGMENT' Name

Fix information:
The manual was fixed in Update 7, July 1982, page 5-29.

Signed off 07/05/84 in release 24.13

KPR #: 2200000786 Product: RTE-4B 92068A 21.40

Keywords: RTE-IVB

One-line description:
Prog. Ref. Man. error

Problem:
Page C-1, last paragraph, of the Programmer's Reference Manual indicates that EQT entries are in Table Area II.

Fix information:
This was corrected in the manual in Update 6, July 1982.

Signed off 07/05/84 in release 24.13

KPR #: 2200001701 Product: RTE-4B 92068A 22.26

Keywords: RTE-6/VM

One-line description:
Manual error

Problem:
Page 3-104 of the System Manager's Manual incorrectly indicates that $MLIB3 should be generated into the system.

Fix information:
This manual problem was fixed in Update #8, January 1983, pages 3-103 to 3-104.

Signed off 07/05/84 in release 24.13

KPR #: 2200002790 Product: RTE-4B 92068A 21.26

Keywords: DVR37 DVR37

One-line description:
EXEC(3,LU) not always provide untalk on the bus and causes a problem

Cause:
A direct call to the driver for the purposes of clearing a bus device (EXEC 3, subfunction 0) causes a SDC (selective device clear) to be sent over the bus without an untalk leading the sequence. As a result, the talker from the previous transaction is still enabled, and an error occurs due to multiple talkers. The library routine CMDW works because it places an untalk before the sequence.

Temporary solution:
Use the library routine CMDW to clear the bus.

Fix information:
To be fixed at A.85.

KPR #: 2200003327 Product: RTE-4B 92068A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
System Manager's Manual incorrectly defines 2635 Support

KPR #: 2200003400 Product: RTE-4B 92068A 22.40

Keywords: READR SAVER

One-line description:
Scratch files causing problems w. READR/SAVER

Problem:
All files on the system are regularly backed up with 'SAVER'. The system is active and often 'SAVER' will have to write a dummy file to maintain the integrity of its directory. This could happen if a file was purged during a 'SAVER' run, or if an 'EDIT/1000' scratch file was

included in the directory.
If the above is the case, when trying to restore a file with 'READR', the SAVE is found to be corrupt. For every dummy file written by 'SAVER' as a place holder, the restore gets 1 file out of sequence. By trying to restore a dummy file, it was found that the dummy file message had been written to tape, but that the following file in the sequence was treated as being part of the dummy. This would obviously result in all following files failing to match with directory. The error presumably arises from 'SAVER' not writing an end-of-file marker after the dummy file, or 'READR' failing to detect it.

Fix information:
Fixed at c.82.

Signed off 07/05/84 in release 22.41

KPR #: 2200003533 Product: RTE-4B 92068A 23.01

One-line description:
PARSE routine handles last parameter improperly

Fix information:
To be fixed on A.85.

KPR #: 2200004960 Product: RTE-4B 92068A 23.01

Keywords: CRASH RECONFIGURATION

One-line description:
RTE-IVB ICD Disc primary system can't permanent reconfigure

Problem:
If reconfiguration is done, system may crash and can't boot-up again. The problem only happened with rev.2226 %DVA32. Rev.2013 %DVA32 works fine.

Cause:
There was zero length $XSIO call in re-configurator. DVA32 rev.2226 just sent end command and exited. Re-configurator expected interrupt from disc, however no interrupt comes in. The system hung in $XEQ.

Fix information:
Fixed in C.83

Signed off 07/05/84 in release 23.40

KPR #: 2200005207 Product: RTE-4B 92068A 21.40

Keywords: SPOOLING DOCUMENTATION ERRORS

One-line description:
JOBFIL format in Batch and Spooling Manual incorrect

Problem:
JOBFIL format in Batch and Spooling manual, appendix C, is incorrect.

KPR #: 2200005355 Product: RTE-4B 92068A 22.26

Keywords: ASSEMBLER

One-line description:
DEC or OCT pseudo-op may cause ASMB to abort

Fix information:
To be fixed at A.85.

KPR #: 2200010124 Product: RTE-4B 92068A .

Keywords: DRIVERS FLOPPY DISK

One-line description:
DVA32 w/ 9895A full status call errors/continuous IONR messages

Problem:
PROBLEM DESCRIPTION: If a program tries to access right (unit 1) drive on 9895A and no diskettes are in either (units 0 or 1) drive, IONR .... messages are reported continuously until a diskette is inserted into left drive. This stops the IONR's, but incorrect status is reported. When diskette is put into right drive, pending request is handled properly.

Fix information:
Fixed at A.83

Signed off 07/05/84 in release 23.01

KPR #: 2200010272 Product: RTE-4B 92068A .

Keywords: SPOOLING

One-line description:
Spool file in wait state and unable to release.

Problem:
TITLE:SPOOL FILE IN WAIT STATE & UNABLE TO RELEASE
MODULE: PART: OFFICE: BELLEVUE
PROBLEM DESCRIPTION: Spool file in wait state and unable to release. Spool files occasionally hang in queue and will not outspool -- GASP commands are ineffectual (i.e., RS, CS or UP). Problem seems to occur randomly (no known cause). The same sequence of commands that caused the problem once will work most of the time. The size of the offending output seems always to be less than one page in length.
The only way to get rid of the spool file is by the KS command.
NOTE: This customer has seen the problems in IVA as well. (Several earlier revs. fo IVB also.)

Fix information:
To be fixed at A.85.

KPR #: 2200011726 Product: RTE-4B 92068A 23.40

One-line description:
RTE-4B Primaries missing sample answer files.

Problem:
Grandfather answer files are not on the primary.
Since the restructure of the 4B grandfathers to be part of the primaries the grandfather answer files were deleted from the product.
These files are used by customers as a template for their customized generations.

Fix information:
The answer file used to generate the primary will be sent with the primary starting in the A.85 PCO. In addition a sample 4E answer file will be added back to the product.

KPR #: 2200012336 Product: RTE-4B 92068A .

Keywords: READT

One-line description:
Cannot READT to LU2 or 3 in non-session system

Problem:
In a non session system, READT returns a READT 014 error (must be MGR.SYS) when trying to restore to LU 2 or 3. Note that there is no manager.sys in a non-session system.

Temporary solution:
Put files on peripheral cartridge and :CO.

Fix information:
To be fixed at A.85.

KPR #: 2200012682 Product: RTE-4B 92068A .

Keywords: RTE-IVB MINI-CARTRIDGE

One-line description:
RTE-IVB mini-cartridge updates have wrong sec. code and cart. reference

Problem:
The RTE-IVB updates, rev. 2126, were SAVERed with security code=0 and cartridge reference number 32731. Updates should have security code of 'RT' and cartridge reference 32767.

Temporary solution:
The workaround is to use override commands.

Fix information:
CRN will be fixed at A.85. Security code will not be added.

KPR #: 2200013185 Product: RTE-4B 92068A .

Keywords: SAVER

One-line description:
SAVER does not correctly save files on LU #2 under non-session mode.

Problem:
Problem: Does not correctly select files on LU#2 or "Directory problem @ LU=2 Tr255 SCxx" occurred.

Fix information:
Fixed at C.82

Signed off 07/05/84 in release 22.40

KPR #: 2200013284 Product: RTE-4B 92068A .

Keywords: SAVER

One-line description:
SAVER command MT lu:len:den does not accept 16 as density

Problem:
Non-session, trying to save cartridge using saver. Using transfer file, when it reaches the end of the file search phase gets error msg, SAVER always fails with multiple tape error when specifying 16 as tape "SAVER cannot save multiple files on multiple tapes. End of Job." density, 8, 800 and 1600 work fine. Either software or manual should be changed.

Fix information:
Fixed at B.82. Density command is removed.

Signed off 07/05/84 in release 22.40

KPR #: 2200014449 Product: RTE-4B 92068A .

Keywords: SPOOLING

One-line description:
Spooler doesn't always close files.

Fix information:
To be fixed at A.85.

KPR #: 2200014993 Product: RTE-4B 92068A .

Keywords: ID SEGMENT

One-line description:
IDGET fails for short ID segments

Problem:
Routine IDGET does not return the correct address of a short ID segment.

Fix information:

To be fixed on A.85.

KPR #: 2200015263 Product: RTE-4B 92068A .

Keywords: DVR33 FLOPPY DISK

One-line description:
Cannot submit jobs from 9885 flexible disc

Problem:
A batch job file residing on a flexible disc (9885) LU, can be entered into the job queue. When FMGR reads the file it cannot find :JO as the first line and the job aborts with a FMGR 074 message. Workaround is to copy the job command file to a hard disc and run it from there.

KPR #: 2200015578 Product: RTE-4B 92068A .

Keywords: HELP

One-line description:
HELP keyword comparison works incorrectly

Cause:
When HELP searches through its help file the number of characters to be compared is always the length of the keyword found in the help file.

Fix information:
It will be fixed @A.85.

KPR #: 2200016253 Product: RTE-4B 92068A .

Keywords: READT

One-line description:
READT gives MC errors

Problem:
If a cartridge was previously mounted, then dismounted and another cartridge is renamed to the dismounted cartridge's CRN, READT can give FMGR -12 errors when trying to access the renamed cartridge.

Fix information:
To be fixed at A.85

KPR #: 2200017814 Product: RTE-4B 92068A .

Keywords: DVR33 FLOPPY DISK

One-line description:
Bad track on 9885 stays until reboot.

Problem:
When formatting a floppy on the 9885 and it reports a bad track every floppy after that, even a known good floppy, will report a bad track on track 66. This occurs until you reboot. At customer's site we formatted a good floppy, then a bad floppy--it reported a bad track at 57, we then reformated the known good floppy and we got a track error at

66.

Fix information:
Fixed at A.83

Signed off 07/05/84 in release 23.01

KPR #: 2200018143 Product: RTE-4B 92068A .

Keywords: DVM00 MUX-8 CHANNEL DM VIOLATION

One-line description:
DVM00 can return negative transmission log on a read.

Problem:
If you have a 12792A 8-channel multiplexor generated on a system and have a modem line connected passively to one of the ports that has a noisy line, then LOGON will abort with DM violations.
Also sometimes RPN will abort and if it is a memory resident will damage programs loaded above it in the memory resident map. Once the noisy line on the modem is cleared up, the problem does not occur.
When the problem occurs, a system reboot is necessary in order to clear up the problem.

KPR #: 2200018713 Product: RTE-4B 92068A .

Keywords: READR

One-line description:
READR error messages inadequate

Problem:
When using READR in update mode, if a file already exists, but there is not enough room on that cartridge to put the temporary file, no error message that includes the name of the user's file is given. Instead, one gets a message like this: "Unable to create scratch file '028001'. Error -33. Update Mode Cancelled."

Fix information:
To be fixed at A.85

KPR #: 2200020594 Product: RTE-4B 92068A .

Keywords: DOCUMENTATION ERRORS HP-IB

One-line description:
EQT SIZE FOR DVR37 WRONG IN SYSTEM MGR'S MANUAL

Fix information:
Will be fixed at update 9.

KPR #: 2200021071 Product: RTE-4B 92068A .

Keywords: HP-IB

One-line description:
HP-IB status request invalid if devices issues status w/ EOI

Problem:
When making a status call, call exec(3,600b+1u), the status returned in the A register is 0 if the device issues an EOI (end or identify) with the status byte.

Fix information:
To be fixed at A.85

KPR #: 2200021196 Product: RTE-4B 92068A .

Keywords: READT

One-line description:
READT fails to reformat 96 sectors/track to 128 sectors/track.

Problem:
READT doesn't work correctly when reformatting a disc from 96/sectors per track to 128 sectors per track. The directory track contains the correct file names, but the extend fields are set to +127.

Fix information:
To be fixed at A.85

KPR #: 2200021634 Product: RTE-4B 92068A .

Keywords: WELCOME FILE

One-line description:
Offing programs (system) with insufficient capability.

Fix information:
To be fixed on A.85.

KPR #: 2200021816 Product: RTE-4B 92068A 23.01

One-line description:
LGOFF IS INCORRECTLY SYNCHRONIZED (RTE-4B)

Fix information:
To be fixed in A.85.

KPR #: 2200022558 Product: RTE-4B 92068A .

Keywords: DS 1000 SAM

One-line description:
$BALC zaps buffer in SAM during DS-1000 initialization.

Fix information:
To be fixed in A.85.

KPR #: 2200023309 Product: RTE-4B 92068A .

Keywords: RTE-IVB

One-line description:
RTE-IVB MLOAD won't allow LB programs to access system ent's

Problem:
MLOAD will not allow a large background program to access entry points in the O.S. (specifically, $MAXE and $PNTR).
However, the RTE-IVB LOADR allows these entry points for type 4 programs. The program loads okay if it is type 3.

Temporary solution:
If program ID too big to load a type 3, change MLOAD as follows:
line 3525: CPA P3 (DELETE THIS LINE)
This will start all searches from ENT#=0.

Fix information:
Will be done on A.85 PCO.

KPR #: 2200023820 Product: RTE-4B 92068A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
LP31 uses wrong LU for verification; will not work with MUX

Cause:
1. System LU, not session LU used to verify device type (may be the cause of the problem in SSB # 4891)
2. If the printer is on the multiplexor, using DD.12, the beginning of the escape code sequence sent by LP31 is treated as carriage control, and stripped off.

KPR #: 2200026963 Product: RTE-4B 92068A .

One-line description:
Confusion on EXEC Call parm 1, 2, and 3

Problem:
Manual fails to mention difference in parameter passing for EXEC 3 verses EXEC 1 and 2.

Fix information:

Manual problem fixed in Update 7, Jan 83, RTE-4B Programmers Reference Manual.

Signed off 07/05/84 in release 24.13

KPR #: 2200027078 Product: RTE-4B 92068A .

Keywords: FMGR SEGMENTS

One-line description:
Cannot RP segments when no blank ID extensions

Fix information:
Fixed at A.85.

KPR #: 2200027854 Product: RTE-4B 92068A .

Keywords: LOCK DEVICES

One-line description:
Locked cartridge during simultaneous file manip. & LSAVE of cartridge

Fix information:
To be fixed on A.85.

KPR #: 2200029165 Product: RTE-4B 92068A .

Keywords: UNDEFINED EXTERNAL FORTRAN 4 RT4GN

One-line description:
Duplicate entry points in FTN4 & BMPG3

Problem:
Duplicate entry points exist in BMPG3 and FTN4---F.TYP amd F.HDL

Temporary solution:
Workaround: Load FTN4 on-line.

KPR #: 2200030270 Product: RTE-4B 92068A .

Keywords: UNDEFINED EXTERNAL

One-line description:
Undefined externals "GTID" at loading "SAVER"

Problem:
Undefine externals GTID at loading SAVER (A.83)

Cause:
$RSLIB (A.83) was in new relocatable fromat.

Temporary solution:
(1)Search rev 2226 $RSLIB
(2)Use OLDRE to run $RSLIB library rev 2301 to allow loader to find all entry poeints (e.g. GTID).

KPR #: 2200049148 Product: RTE-4B 92068A 00.00

Keywords: DVA05

One-line description:
CLEAR REQUEST PROBLEM ON AN UNBUFFERED TERMINAL

Problem:
IF A PROGRAM IS OUTPUTTING TO AN UNBUFFERED CRT AND
THAT PROGRAM IS OFF'ED,1 (OF,PROG,1) THE TERMINAL WILL
BE DISABLED. THE TERMINAL CAN BE RE-ENABLED BY ANOTHER
WRITE TO IT. SINCE A WRITE REQUEST WILL RE-ENABLE THE

TERMINAL, THE PROBLEM IS NORMALLY MASKED UNDER SESSION
BY THE SYSTEM ABORT MESSAGE.
REPORTS OF OTHER PROGRAMS GETTING DM AND MP ERRORS UNDER
THE ABOVE SITUATION HAVE BEEN REPORTED BUT NOT DUPLICATED.

Cause:
DVA05 IS NOT HANDLING THE SYSTEM CLEAR CONTROL REQUEST
PROPERLY IF THE EQT IS UNBUFFERED. THE DRIVER DOESN'T
SET THE 12966 CARD TO INTERRUPT WITHIN THE 1 SECOND
PERIOD SET BY THE SYSTEM ON A CLEAR REQUEST. THE SYSTEM
THEN ISSUES IT'S OWN CLC WHICH LEAVES THE TERMINAL
DISABLED.

KPR #: 2200050385 Product: RTE-4B 92068A 20.13

Keywords: DRIVERS

One-line description:
NOT ALL DRIVERS LISTED ON PAGE 3-45 OF RTE-4B SYS MGR MNL ARE SUPPORTED

Problem:
MANY USERS ASSUME THAT BECAUSE A DRIVER IS LISTED IN THE
RTE-IVB SYSTEM MANAGER'S MANUAL IT IS SUPPORTED IN RTE-IVB.
A DISCLAIMER SHOULD BE PRINTED IN REGARD TO TABLE 3-2, OR
THE SUPPORTED DRIVERS SHOULD BE FLAGGED. IN ADDITION, THE
HEADING "DRIVER PART NO." IS INCORRECT. THE PART NUMBERS
LISTED ARE THOSE OF THE DRIVER MANUALS.

Cause:
THE LIST IS INCLUDED IN THE SYSTEM MANAGER'S MANUAL
FOR INFORMATIONAL PURPOSES ONLY. IT IS A CONVENIENT
PLACE TO KEEP A COMPLETE LIST OF HP WRITTEN DRIVERS.
MOST OF THE DRIVERS LISTED WILL WORK IN RTE-IVB, BUT
MANY OF THE OLDER ONES HAVE NOT BEEN TESTED.

Temporary solution:
USE THE CURRENT IVB SOFTWARE NUMBERING
CATALOG TO FIND OUT IF A DRIVER IS SUPPORTED IN RTE-IVB.

Fix information:

Manual Problem fixed in Update 7, July 82, pages 3-45/6. Please
move to QA. Dennis Parker for Bob Blake, 6/6/84. Tech Pubs.

KPR #: 2200050682 Product: RTE-4B 92068A 20.26

Keywords: GRANDFATHERS

One-line description:
4B SYSTEM MANAGERS MANUAL REFERENCES NON EXISTANT GRANDFATHER FILES

Problem:
APPENDIX I OF THE SYSTEM MANAGER'S MANUAL INDICATES THAT
SEVERAL ENTRY POINTS CAN BE RESOLVED IN FILES THAT DO NOT
EXIST ON GRANDFATHER DISC.

Cause:

THESE ENTRY POINTS, WHICH MAY SHOW UP AS UNDEFINED
DURING SYSTEM GENERATION, ARE AS FOLLOWS:
.CBT
.MBT
.SFB
NOTE: THESE ENTRY POINTS ARE RESOLVED DURING ENTRY POINT CHANGE PHASE (RP), AND CAN BE DISREGARDED AS UNDEFINED.

Fix information:

TECH PUBS: FIXED BY UPDATE 7, U0782, PAGE APP I-1. BB 6/25/84

KPR #: 2200051342 Product: RTE-4B 92068A 18.26

Keywords: DVR62

One-line description:
GAIN CODE FORMAT INCORRECT IN DVR62 MANUAL

Temporary solution:
PAGE 2-10 FIGURE 2-3 IN THE DVR62 MANUAL SHOWS THE LLMPX GAIN CODE WORD AS CONSISTING OF 2 WORDS. THE GAIN CODE IS ONLY ONE WORD LONG. THE SECOND WORD SHOWN IN THE FIGURE IS CORRECT; THE FIRST WORD SHOULD BE DISREGARDED.

THE 2313 MEASUREMENT AND CONTROL HARDWARE IS OBSOLETE, AND THE ASSOCIATED 92066A SOFTWARE IS MATURE AND SCHEDULED TO BECOME INACTIVE SOON. FOR THIS REASON, AND THE RELATIVELY LOW LEVEL OF SEVERITY, THERE ARE NO PLANS TO UPDATE THE MANUAL. AT ISSUE IS THE E2313 CALL.
djp, tech pubs, 6/18/84.

KPR #: 2200051748 Product: RTE-4B 92068A .

Keywords: DVR32

One-line description:
DVR32/DVA32 CONTROLLER STATUS NOT DESCRIBED

Problem:
TABLE 2-4 IN THE RTE-IVB DVR32 AND DVA32 REFERENCE MANUAL DESCRIBES THE FULL STATUS READ CALLING SEQUENCE WHICH IS USED TO OBTAIN THE STATUS FROM THE DISC CONTROLLER. HOWEVER, NO DESCRIPTION OF THIS STATUS IS GIVEN. A DESCRIPTION OF THE DVR32 CONTROLLER STATUS CAN BE OBTAINED FROM THE 13037 CONTROLLER MANUAL (13037-90006), AND A DESCRIPTION OF THE DVA32 CONTROLLER STATUS CAN BE OBTAINED FROM THE 13365 INTEGRATED CONTROLLER MANUAL. SOME REFERENCE TO THESE SOURCES SHOULD BE MADE FOLLOWING TABLE 2-4.

Fix information:

DVR32/DVA32 Reference Manual 92068-90012 will be updated Oct 1984 to indicate that DVR32 controller status codes can be found in the 13037 Controller I & S Manual 13037-90006 and DVA32 controller status can be found in 13365 Controller Programming Guide 13365-90901.

KPR #: 2200051979 Product: RTE-4B 92068A 20.26

Keywords: DVR23

One-line description:
AT EOT CANNOT WRITE ANY MORE DATA

Problem:
ANSI STANDARD X3.22-1973(FOR 800 BPI NRZI) AND X3.39-1973 (FOR 1600 CPI) STATES THAT THE USABLE RECORDING AREA ON A MAG TAPE IS FROM 'BOT' TO 10 FEET AFTER THE 'EOT' DVR23 DOES NOT ADHERE TO THIS STANDARD AND WILL NOT ALLOW ANY DATA TO BE WRITTEN AFTER THE EOT.

Temporary solution:
AS A WORK-AROUND. NEED TO SENSE EOT, BACKSPACE ENOUGH TO BE ABLE TO FIT THE 'FINAL' RECORD AND DOUBLE EOF ON THE TAPE.

Fix information:
Fixed at C.83.

KPR #: 2200052829 Product: RTE-4B 92068A 21.26

Keywords: FMGR

One-line description:
THE 'DL' COMMAND DISPLAYS FILE SECURITY CODES ILLEGALLY

Problem:
A "DL,NAMR,XX", WHERE XX IS ANY CHARACTER, GIVES FILE SECURITY CODES. THE PROBLEM OCCURS EVEN THOUGH LU 2 WAS INITIALIZED WITH THE MASTER SECURITY CODE.

Temporary solution:
THE DL COMMAND WILL WORK CORRECTLY IF YOU CHANGE THE MASTER SECURITY CODE USING:
:IN,MSC--MSC
WHERE MSC IS THE MASTER SECURITY CODE OF THE SYSTEM.

Fix information:
THIS IS AN UNDOCUMENTED 2101 ENHANCEMENT WHICH ALLOWS A USER TO ACCESS (AS IN DL) AND MANIPULATE (AS IN IN) PRIVATE CARTRIDGES WITHOUT REQUIRING THE KNOWLEDGE OF THE MASTER SECURITY CODE. THIS WILL BE DOCUMENTED IN THE TERMINAL USERS MANUAL.

KPR #: 2200053124 Product: RTE-4B 92068A 21.01

One-line description:
RTE-4E MANUAL UNCLEAR WHERE END OF SYSTEM IS ON MAG TAPE

Problem:
AFTER STORING A 4E SYSTEM TO MAG TAPE THE USER WANTS TO ALSO PUT A USER PROGRAM AFTER THE SYSTEM ON THE SAME TAPE. HE CAN DO THIS OK BUT IF RECONFIGURATION IS NOT PERFORMED, THE NORMAL MODE OF OPERATION, HE MUST FORWARD

FILE THE TAPE A NUMBER OF TIMES BEFORE GETTING TO HIS PROGRAM. THE EXACT NUMBER OF FORWARD FILE REQUESTS IS NOT GIVEN IN THE MANUAL.

Cause:

IF RECONFIGURATION IS NOT PERFORMED THE RECONFIGURATOR MUST BE SKIPPED BEFORE APLDR CAN LOAD THE PROGRAM ON THE SAME TAPE. THIS REQUIRES THE UTILITY XCNTL TO BE GEN'ED IN AND USED BUT THE NUMBER OF FILES (SUBFILES) TO BE SKIPPED IS NOT DOCUMENTED.

Temporary solution:

IF YOU LOAD A PROGRAM WITH THE OPERATING SYSTEM, AN OPTION WITH CONVM, YOU WILL NOT HAVE THE PROBLEM. YOU COULD LOAD A DUMMY PROGRAM WITH YOUR SYSTEM AS A WORK-AROUND.

KPR #: 2200053132 Product: RTE-4B 92068A 23.01

Keywords: DVA12

One-line description:
LONG LINES TO 2631A CAN PRECLUDE REAL TIME OPERATIONS

Problem:

THE 2631 IS MUCH SLOWER DEVICE THAN THE OTHER DEVICES THAT USE DVA12. BECAUSE THE DRIVER HANDLES AN ENTIRE LINE AT A TIME AND THE 2631 CAN TAKE AS MUCH AS 180USEC. PER CHARACTER IT CAN TAKE UP TO 24 MILLISECONDS TO OUTPUT A 132 CHARACTER LINE.

Cause:

THE DRIVER DOES KEEP AN INTERNAL TIMER TO MAKE SURE IT DOES NOT STAY IN THE DRIVER TO LONG. IF THIS TIMER EXPIRES THE DRIVER EXITS TO GIVE THE OPERATING SYSTEM A CHANCE TO 'CATCH UP' WITH OTHER HIGHER PRIORITY TASKS. HOWEVER, AN INTERRUPT IS JUST ABOUT READY TO OCCUR AGAIN FROM THE 2631 SO THE USER ONLY GETS TO EXECUTE A FEW INTRUCTIONS, AT BEST, BEFORE GOING BACK INTO THE DRIVER. HENCE, HIGHER PRIORITY HARDWARE INTERRUPTS TAKE PRECEDENCE BUT EVERYTHING ELSE WILL BE 'HELD OFF'.

KPR #: 2200053298 Product: RTE-4B 92068A 21.01

Keywords: SPOOLING

One-line description:
DEFAULT ATTRIBUTES FOR SPOOL FILES INCORRECTLY SPECIFIED

Problem:

DEFAULT ATTRIBUTES FOR SPOOL FILES DESCRIBED ON P. C-4 OF THE RTE-IVB QUICK REFERENCE GUIDE AND ON P. 2-9 OF THE BATCH & SPOOLING MANUAL ARE INCORRECT.

Temporary solution:

THE CORRECT DEFAULTS ARE AS FOLLOWS:

	OUTLU SPECIFIED	OUTLU NOT SPECIFIED
NAMR	WRITE, HOLD, SPOOL	READ, HOLD, STANDARD
SPECIFIED	HEADERS, SAVE	FORMAT, SAVE
NAMR	WRITE, HOLD, SPOOL	BOTH, HOLD, STANDARD
NOT SPECIFIED	HEADERS, SPOOL POOL	FORMAT, SPOOL POOL
	FILE, PURGE	FILE, PURGE

KPR #: 2200054056 Product: RTE-4B 92068A 19.26

Keywords: FMGR

One-line description:
FMGR LI COMMAND DOES NOT RECOGNIZE CHARACTERS WITH 8 BIT CODE

Problem:
PROBLEM:

ASCII REPRESENTATION FEATURE OF THE FOLLOWING COMMAND
:LI,NAMR,B
DOES NOT WORK FOR 8-BIT CODE CONTENTS, THE CODE IS REPRESENTED AS U.S. ASCII CODE, IGNORING THEIR 8TH BITS.

Cause:

A NAMR IS SUPPOSED TO BE A FILE WHICH CONTAINS KATAKANAS OR JAPANESE CHARACTERS CONSISTING OF 8 BITS EACH. THE LIST DEVICE MAY BE A 2631A (008,046) CONNECTED BY HPIB INTERFACE TO TERMINAL THE 2645J (8-BIT DATA TYPE TERMINAL) CONNECTED BY BUFFERED ASYNC. COMM. THE 8-TH BITS OF THE 8-BIT CODES ARE FORCED TO BE ZERO BY SOME PIECE OF SOFTWARE.
KATAKANA RANGES FROM 240B TO 337B (OCTAL), WHILE THE U.S. ASCII RANGES FROM 40B TO 177B.
IT IS DESIRED NOT TO FORCE THE 8TH BIT OF THE 8-BIT CHARACTER CODE TO BE ZERO WHEN PREPARING FOR PRINTING. FOR MORE DETAIL, PLEASE REFER TO "KATAKANA HANDLING CAPABILITY TEST OF THE HP 1000 SYSTEM AND 2645J YHP KATAKANA TERMINAL" DEC. 1, 1980. 2 -4, 3-4 TO 8 -6.

KPR #: 2200055228 Product: RTE-4B 92068A 21.40

Keywords: DVR23

One-line description:
DVR23 WILL NOT RETRY EOF MORE THAN ONCE

Problem:

NORMALLY IF AN ERROR OCCURS ON A WRITE OPERATION, THE DRIVER WILL RETRY THE OPERATION UP TO 75 TIMES BEFORE AN ERROR IS REPORTED. HOWEVER, IF THE ERROR OCCURS AT EOF, IT WILL ONLY ALLOW 1 RETRY (THE DRIVER WILL ONLY ALLOW EOT TO BE SENSED TWICE). IF THE WRITE IS UNSUCCESSFUL, THE TAPE UNIT IS DOWNED AND IONR ERROR IS ISSUED. SINCE THE EOT HAS BEEN SENSED, THE DISK BACKUP UTILITIES (WRITT, LSAVE, USAVE, !DISK, ETC.) WILL ISSUE THE "MOUNT NEXT TAPE" MESSAGE AS SOON AS THE MAG TAPE EQT IS UPPED. HOWEVER, THE LAST RECORD HAS NOT BEEN SUCCESSFULLY WRITTEN AND THE BACKUP WILL NOT RESTORE PROPERLY.

Signed off 07/05/84 in release 23.40

KPR #: 2200055269 Product: RTE-4B 92068A 21.40

Keywords: WRITT

One-line description:
SAM SIZE RESTRICTIONS AFFECT WRITT

Problem:
RUNNING WRITT WITH SAM SIZE 7-8K WRITT SUSPENDS(STATE 4)
WAITING FOR SAM. WITH SAM = 3K WRITT WORKS EVERY TIME.

Temporary solution:
UNBUFFER MAG TAPE.

Signed off 07/05/84 in release 23.01

KPR #: 2200055640 Product: RTE-4B 92068A 21.40

Keywords: UNDOCUMENTED ERRORS

One-line description:
RUN TIME ERROR # 492 OCCURS IF CALL OF INTERNAL CONVERSION IN ASSEMBLER

Problem:
" RUN TIME ERROR#492" IS OUTPUT FOR THE FOLLOWING SEQUENCE
OF ASSEMBLER INSTRUCTIONS:

```
        CLA
        CLB,INB
        JSB .DIO.
        DEF BUFFR
        OCT 0
        DEF ENDA
        JSB .RIO.  OR .IOO., .JIO.,.XIO.,.TIO
        DEF DATA
ENDA ..... .....
```

KPR #: 2200055665 Product: RTE-4B 92068A 21.26

Keywords: RMPAR

One-line description:
RHPAR DOES NOT RETURN PPROGRAM NAME AS PARAMETER 0

Problem:
RHPAR DOES NOT RETURN PROGRAM NAME, WHEN PARAMETER 0 IS
REQUESTED.

Temporary solution:
USE EXEC 14 AND DO YOUR OWN PARSING.

KPR #: 2200056663 Product: RTE-4B 92068A 21.40

Keywords: JOB

One-line description:
JOB ABORTS JOB IF ALL SPOOL FILES ARE IN USE

Problem:
IF A BATCH JOB IS SCHEDULED WHEN NO SPOOL FILES ARE
AVAILABLE, THE JOB IS ABORTED RATHER THAN PUT IN A QUEUE.
THE ONLY WORKAROUND IS TO MAKE MORE SPOOL FILES AVAILABLE.

Fix information:
Tentative fix date A.85.

KPR #: 2200057117 Product: RTE-4B 92068A 21.40

Keywords: SAVER

One-line description:
SAVER DOES NOT HANDLE NEGATIVE SECURITY CODES ON FILES

Problem:
WHEN LOADED AS AN EXTENDED BACKGROUND PROGRAM, SAVER WILL
NOT FIND FILES WITH NEGATIVE SECURITY CODES.

Temporary solution:
SAVER CAN BE LOADED AS A LARGE
BACKGROUND PROGRAM TO FIND NEGATIVE SECURITY CODE FILES.

Fix information:
Fixed at C.82.

Signed off 07/05/84 in release 22.40

KPR #: 2200057331 Product: RTE-4B 92068A 23.01

Keywords: RT4GN

One-line description:
DO NOT GEN PTOPM INTO THE MEMORY AREA OF YOUR O/S

Problem:
WHEN PTOPM WAS PLACED IN THE MEMORY RESIDENT AREA OF A 4B
SYSTEM, A GEN ERROR 15 SHOULD RESULT BECAUSE PTOPM CALLS
ATACH [TO ATTACH TO AN ACCOUNT], WHO CALLS LUSES, WHICH IS
A TYPE 7 MODULE. DUE TO A BUG IN THE RTE-4B GENERATOR,
THIS ERROR IS NOT PRINTED, BUT WHEN PTOPM EXECUTES THE
ATACH CALL, IT GETS AN ERROR AND DOES NOT ATTACH THE
PROPER SESSION.

KPR #: 2200057810 Product: RTE-4B 92068A 17.07

Keywords: KEYS

One-line description:
KEYS PROGRAM WILL NOT ALLOW PROGRAMMING KEYS IN LOCAL MODE

Problem:
THE PROGRAM KEYS DOWS NOT ALLOW YOU TO PROGRAM THE SOFT KEYS
OF A 264X TERMINAL IN LOCAL MODE, EVEN THOUGH THE TERMINAL
CAN HAVE LOCAL MODE.

Fix information:
To be fixed on A.85.

KPR #: 2200058032 Product: RTE-4B 92068A 22.40

Keywords: LUPRN

One-line description:
LUPRN REPORTS LU'S ON RIGHT SIDE OF LISTING INCORRECTLY

Problem:
LUPRN EXCHANGES SYSTEM AND SESSION LU'S ON THE RIGHT SIDE OF THE LISTING (EXCEPT WHEN LISTING LU'S IN SESSION ORDER). ALSO, DVL50 IS NOT RECOGNIZED DUE TO A LOWER CASE "L" USED IN AN INTERNAL ARRAY.

Fix information:
FIXED AT B.83. ALSO ADDED: DVT23 (THE 7976 MAGTAPE DRIVER)

Signed off 07/05/84 in release 23.26

KPR #: 2200058248 Product: RTE-4B 92068A 22.26

Keywords: AUTOR

One-line description:
AUTOR WILL NOT COMPILE IN FTN4

Problem:
LINE 103 OF &4AUTR CONTAINS A COMMENT IMBEDDED IN IT. FTN4 DOES NOT ALLOW IMBEDDED COMMENTS.

Temporary solution:
AS A WORKAROUND COMPILE USING FTN4X
OR MODIFY THE SOURCE TO DELETE THE COMMENT.

KPR #: 5000011247 Product: RTE-4B 92068A 00.00

Keywords: SAVER

One-line description:
RTE-4B DOES NOT HAVE OLDRE UTILITY : REF. SR#2200030270

Problem:
An undefined external GTID shows up when loading SAVER. Using OLDRE on on $RSLIB fixes the problem, but OLDRE is not included in the RTE-IVB product.

Fix information:
OLDRE was added to the RTE-IVB product at revision B.82.

KPR #: 2200055392 Product: RTE-4B MANUALS 92068 MANUAL 21.01

Keywords: GETST

One-line description:
GETST INTERPRETS FIRST PARAMETER AS 'NOW' IF IT BEGINS WITH 'NO'

Problem:
IF A PROGRAM IS PASSED A PARAMETER BEGINNING WITH "NO", THE SYSTEM ASSUMES THAT THE USER IS PASSING THE "NOW" PARAMETER. NOTE THAT THE "NOW" PARAMETER IS MEANINGLESS WITH THE RUN COMMAND.

KPR #: 5000014514 Product: RTE-4E 92068E 00.00

Keywords: RECONFIGURATION

One-line description:
RTE-4E reconfiguration can halts the system

KPR #: 2200000620 Product: RTE-6 MANUALS 92084 MANUAL 12.81

One-line description:
RTE-6/VM Terminal users Ref Manual

Fix information:
The misunderstanding was that there can be real time RESERVED partitions in your system and the other real time applications will run in BG partitions if there are no free (non-reserved) real time partitions in the system. The manual will be made clearer. kj 7/27/84

KPR #: 2200000828 Product: RTE-6 MANUALS 92084 MANUAL 23.01

Keywords: LOADR

One-line description:
LOADR documentation error when using PASCAL

Fix information:
This will be documented at the A.85 PCO. Page 3-22 will note the five character limit on the main program name. --kj

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KPR #: 2200001172 Product: RTE-6 MANUALS 92084 MANUAL 23.01

Keywords: FORMT

One-line description:
FORMT load instruction confuse program type with file type

Fix information:
This was fixed at 2340 pco. There was a mixup in file and program types.
kj

KPR #: 2200004614 Product: RTE-6 MANUALS 92084 MANUAL 23.02

Keywords: HP-IB

One-line description:
SRQ PROGRAM DOESN'T RECOGNIZE SESSION CARTRIDGE

Problem:
A program scheduled by an SRQ request is unable to access files on session cartridges.

Cause:
Drivers can only schedule programs out of session. This limits the scheduled program's access to non-session cartridges.

Fix information:
This will be noted in a future revision of the Driver Writting Manual and the HP-IB manual.

KPR #: 2200004887 Product: RTE-6 MANUALS 92084 MANUAL 23.01

Keywords: ACCTS

One-line description:
SESSION MEMORY ALLOCATION EXAMPLE IS INCORRECT

Fix information:
The manual is incorrect. I verified by running ACCTS. It will be fixed at 2501. kj 7/25/84

KPR #: 2200030403 Product: RTE-6 MANUALS 92084 MANUAL 23.40

Keywords: DRIVERS

One-line description:
Dummy Driver example could cause undesirable results when invoked.

Fix information:
this was fixed at the 2340 update to the utility reference manual for rte 6. The 'BSS 2048' was changed to 'BSS 2045' which enables the dummy driver to fit in a two page driver partition. kj

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KPR #: 5000005611 Product: RTE-6 MANUALS 92084 MANUAL 23.26

One-line description:
System Managers Manual doesn't document LGON 07 error

Fix information:
Correct in System Managers Manual 2nd Edition December 1983.

Signed off 10/16/84 in release 23.40

KPR #: 5000011213 Product: RTE-6 MANUALS 92084 MANUAL 23.26

Keywords: TF

One-line description:
Enhancement request: TF needs check and reject if file is corrupted.

Fix information:
The -5 problem does not cause any difficulty for TF therefore TF does not check for it. Checking for this would slow down the backup process. The file is restored to EXACTLY the same condition it was in when it was backed up. It can be fixed just as well after it is restored as before it is backed up. Use the FVERI utility to find such problems. TF only reports problems which interfer with the validity of the backup process. We will examine the documentation to determine if this could be better explained.

KPR #: 5000027235 Product: RTE-6 MANUALS 92084 MANUAL 00.00

One-line description:
..map rp is incorrect in system managers manual

Fix information:

To be fixed in update 4.

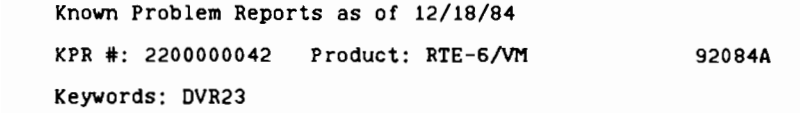
KPR #: 2200000042 Product: RTE-6/VM 92084A 22.26

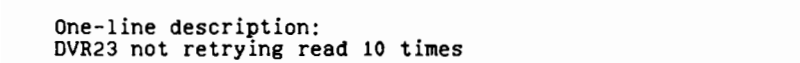
Keywords: DVR23

One-line description:
DVR23 not retrying read 10 times

Problem:
DVR23 is only suppose to retry read 10 times.

Cause:
Media/Hardware (7970) problems.





A. READ (1) & READ (2) suceed normally reading records N-1 & N.
B. When READ (3) results in a data parity error.
C. Driver attempting a retry, does a BACKSPACE RECORD (4) which succeeds (NO ERRORS reported by controller), but has incorrectly positioned the tape prior to record N.
D. The retry READ (5) succeeds in re-reading record N and the read request returns normally to the user.
E. B,C & D are repeated for each read request issued there after.

Reading record N the read completes when the postamble has been read. attempting to read record N+1 the drive probably could not detect a preamble and reported a parity error when it detected the postamable of record N+1. It would be hard to say what originally caused the problem, the tape is severely worn in this area, but may well have been a preamble that went bad.

KPR #: 2200000349 Product: RTE-6/VM 92084A 23.01

Keywords: FC

One-line description:
FC command file strips out Backslash (\)

Problem:
If a backslash character (\) is the last character of a line in a file designated by the CF command as the FC command file, the backslash is not copied to tape by FC.

Temporary solution:
Use a different character as the last character in the file name.

KPR #: 2200000463 Product: RTE-6/VM 92084A 23.01

Keywords: FMGR

One-line description:
FMGR-005 error on boot-up when welcom file is moved in PK

Fix information:

The System Manager's Manual states that the packing of discs from the WELCOM file should be done in a separate transfer file. Figure 6-2 shows the file *PACK being transferred to in the WELCOM file to pack lu's 2 and 3. To alleviate any more confusion the section on the WELCOM file in the System Manager's Manual will now include a warning stating that cartridges should be packed from a transfer file which resides on a disc lu not being packed. As long as the WELCOM file transfers to another file (on a cartridge not being packed) to do any packing FMGR will not abort even if the WELCOM file is moved as a result of the packing process. The PK section of the Terminal User's will also contain a note about not packing a disc lu from a transfer file if the transfer file resides on that disc lu. kj

KPR #: 2200000489 Product: RTE-6/VM 92084A 22.26

Keywords: DOCUMENTATION ERRORS

One-line description:
Formula for sector number incorrect

Problem:
Formula for sector number is incorrect in the appendix G, file directory description, of RTE-6/VM programmer's ref. manual.

Fix information:
WAS FIXED IN C.83 (update 3) kj

KPR #: 2200000497 Product: RTE-6/VM 92084A 22.26

Keywords: DVA05 DDV05

One-line description:
Documentation needed for bit 6 when doing EXEC 1 using DVR05/DVA05

Problem:
Setting bit 6 in the control word of an EXEC read gives different result for an odd number of characters input for drivers DVA05 and DDV05.

Fix information:
Setting bit 6 in the control word of an EXEC read gives different results for an odd number of characters input for drivers DVR05 and DVA05.
DVR05 pads last character with a blank (40B)
DVA05 pads last character with a null (0B)

The driver manual, 92001-90015 will be updated to indicate that for bit 6 of ICNWD, Keyboard-display Read/write Request, 0 = ASCII Read, and 1 = Binary Read with further explanation added to text.

KPR #: 2200000505 Product: RTE-6/VM 92084A 22.26

Keywords: JOB SPOOLING

One-line description:
Same Spool file assigned to two different programs

Fix information:
Tentative fix date A.85.

KPR #: 2200000760 Product: RTE-6/VM 92084A 22.13

Keywords: RTE-6/VM

One-line description:
Data lost in Binary read

Cause:
This problem is a hardware limitation. The 12531 has only a receiver shift register and no other buffering. If the receive clock is running when DVR00 fetches the character it means that, at least, the start bit of the next character has been processed. This may mean the current character has been shifted and is thus incorrect. It is possible to still have a good character in this case, also, as the start bit does not shift the register but the driver has no way of knowing.

Temporary solution:
Use a 12966 instead of the 12531.
Various folks have also fixed this problem by connecting the "read" output line on the 12531 card to the "CS" (clear to send) line on the terminal or device. This is not as straight forward as it seems, however, because the signal must be level shifted to EIA levels first. Also, some devices do not use "CS" to condition their transfers on a character at a time basis.

KPR #: 2200001099 Product: RTE-6/VM 92084A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
DVM doesnot perform type ahead correctly

Problem:
Using the 12792B mux, the following symptoms occur:
A program using FTFO mode solicits record entry on a mux terminal. When the operator types before the read, the read can be satisfied by any length buffer under 254. However, if the program catches up, the whole buffer (254 bytes) must be typed. The documentation for the 12040B (RTE-A mux) indicates that such a read should be satisfied with one byte.

Temporary solution:
The problem seems to be with DVR05. A workaround is to use DVR00.

KPR #: 2200001123 Product: RTE-6/VM 92084A 22.40

Keywords: RTE-6/VM

One-line description:
LUPRN doesnot recognize DVR00

Problem:
The listing for LU's of DVR00 indicates ".Unknown Driver." See listing on file in Online.

Fix information:
To be fixed at A.85.

KPR #: 2200001198 Product: RTE-6/VM 92084A 22.08

Keywords: ACCTS SAM

One-line description:
ACCTS consumes SAM

Problem:
Repeatedly shutting down ACCTS with the RE (release memory) option, then bringing session back up causes system to lose all of available SAM. This can only be recovered by rebooting.

Fix information:
To be fixed A.85 PCO.

KPR #: 2200001230 Product: RTE-6/VM 92084A 23.01

Keywords: RTE-6/VM

One-line description:
RTE-6/VM utilities manual error

Fix information:
This is correct. There is no line printer available in the generic I/O configuration of the !BCKOF memory based system. The manual will be fixed at the next PCO (A.85). kj

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KPR #: 2200001248 Product: RTE-6/VM 92084A 22.08

Keywords: RTE-6/VM

One-line description:
Auto-restart prints incorrect (Julian) date

Problem:
The auto restart program prints an incorrect date, more precisely, exactly today's day plus 3. e.g. on 1/1/83 it prints: "...on day 004"

Fix information:
This is the same as SR# 2200-31179 as logged against RTE-4B.
This was fixed in the C.83 PCO.

KPR #: 2200001339 Product: RTE-6/VM 92084A 23.01

Keywords: CRASH RT6GN

One-line description:
Generator sets up system map incorrectly

Fix information:
To be fixed at A.85.

KPR #: 2200001362 Product: RTE-6/VM 92084A 21.21

Keywords: DBUGR

One-line description:
%DBUGR is type 3 ?

Problem:
%DBUGR header is type 3 and causes the generator to load it as a BG program. It should be TYPE 0

Cause:
See problem statement.

Temporary solution:
An easy workaround is to change the type of DBGHD to 0 in the program parameter input phase of the gen. (ie. enter DBGHD,0)

Fix information:
Fixed in Rev.2440 A.85.

KPR #: 2200001396 Product: RTE-6/VM 92084A 21.21

Keywords: GASP

One-line description:
GASP "KS,file" can clear on SST spool LU when it shouldn't.

Problem:
GASP "KS,file" can clear on SST spool lu when it should not. The problem shows up most readily in a system where many spool files are being created and killed. The symptom is a program's aborting with an I026 error when the spool lu should have been valid.

Fix information:
To be fixed at A.85.

KPR #: 2200001412 Product: RTE-6/VM 92084A 22.26

Keywords: LINDX

One-line description:
Better error message for LINDX cartridge overflow

Problem:
RU,LINDX,5XYZ,$XYZ::CR:5:SIZE
LINDX gives the error message FMP-11 if CR is too small for "size".
Proper error message would be FMP-33.

Fix information:
Fixed at C.83.

KPR #: 2200001453 Product: RTE-6/VM 92084A 22.26

Keywords: LINK

One-line description:
LINK doesnot find SSGA modules correctly

Fix information:
Manual problem fixed in Update 8, Dec 83, page D-11, Prog Ref (90004).

Signed off 07/05/84 in release 24.13

KPR #: 2200001503 Product: RTE-6/VM 92084A 21.21

Keywords: ID SEGMENT

One-line description:
IDDUP incorrectly creates ID segment if no ID extensions

Problem:
Subroutine IDDUP causes a DM viol error due to incorrect algorithm for duplication of ID segments.

Cause:
IDDUP locates a blank ID segment, builds it for the new clone, then if an ID EXT is needed it proceeds to build it. If however, no ext is available, it does not destroy the main portion of the ID segment before returning with an error. This results in a second try to clone a copy finding the partially built segment pointing to ID EXT 0. If ID EXT 0 is already being used by another program chances are it's ID EXT is not compatible to the needs of the one needed. This results in a DM violation.

Fix information:
Fixed in C.83.
IDDUP was modified to check for extension before creating ID segment.
If no extension, returns error 14.

Signed off 04/11/84 in release C23.40

KPR #: 2200001511 Product: RTE-6/VM 92084A 21.21

Keywords: REIO

One-line description:
Program fails with REIO call and X-reg returning -10 value

Problem:
A program was aborted in REIO routine if X-register was set to -10 and it was loaded with EB option.
The error message is as follows:

```
ABE 1          0          1
XYO 177766     0          0
EX             DEF62      2255
DEF 62 ABORTED
BEND DEF62 ABORTED
```

Cause:

The cause is an RTE-6 microcode bug. If a microcoded reentrant $LIBR call is done with the user's X=-10 at last time of suspension, a condition which was thought would never occur, does. This will cause an EX error in a non-privileged system or a microcode hang in a privileged system. The latter requires a preset on the CPU (or power down) to get control of the front panel.

KPR #: 2200001537 Product: RTE-6/VM 92084A 23.01

One-line description:
VM40 error not documented on Quick Ref Quide and HELP file

Fix information:
To be fixed in A.85.

KPR #: 2200001693 Product: RTE-6/VM 92084A 23.01

One-line description:
EXEC (6, program-name,...) does not work

Problem:
When a father program schedules a son program and afterwards the father program wants to terminate the son with

```
    EXEC (6, 'son-name', 1)
```

the son program does not go dormant at all.

Temporary solution:
Run CMM6

```
    =LI,$ENDS
```

Add 5 to the value shown for $ENDS. This is the value n below.

```
    =PP,n,640B,300B
```

The PP command should be changing the value of 400B to 300B.
The actual code which precedes the 400B is:

```
    JMP
    JSB
    JSB
    400B
```

KPR #: 2200001727 Product: RTE-6/VM 92084A 23.01

One-line description:
Inproper error message

Fix information:
Will be fixed on A.85.

KPR #: 2200001743 Product: RTE-6/VM 92084A 23.01

Keywords: LINK

One-line description:
LINK FAILS WITH EM87 ON FTN7X PROGRAM USING $EMA (BLOCK,MSEG SIZE)

Problem:
LINK fails with EM87 on FTN7X program using old EMA declaration. Works with new EMA declaration $EMA/BLOCK1/BLOCK2/. FTN7X manual states that old EMA directive $EMA (BLOCK, MSEG) is supported & works.

Temporary solution:
Workaround: Change EMA directive to new form. Use $EMA/D/

Fix information:
To be fixed at A.85.

KPR #: 2200001826 Product: RTE-6/VM 92084A 23.01

Keywords: ACCTS

One-line description:
ACCTS `PA` command doesnot work on same account

Problem:
If a user account contains many session LU's (both user and group) attempting to change its password with a 'PA' command will generate 'ACCT-204' errors.

Cause:
Many session LU's will cause the accounts file to allocate another block of 64 words and set bit 15 in the first word of the user directory entry to flag the extension. Unfortunately the bottom of that word is used as a password character count -- it appears that ACCTS isn't masking out the flag and is altering the count.

Temporary solution:
The workaround is to use the 'ALTER U' command to change the password.

Fix information:
To be fixed in the A.85 PCO

KPR #: 2200002014 Product: RTE-6/VM 92084A 22.26

Keywords: LURQ

One-line description:
LURQ aborts when LU locked to another program

Fix information:
To be fixed in A.85.

KPR #: 2200002022 Product: RTE-6/VM 92084A 22.26

Keywords: DOCUMENTATION ERRORS

One-line description:
READR NOT SUPPORTED ON IO MAPPED REMOTE MAG TAPE

Problem:
READR does not work when mag tape is remotely mapped.

Cause:
DEXEC does not allow more than 512 block transfers. READR uses larger block sizes.

Fix information:

READR/SAVER is not supported over DS. The READR/SAVER manual will be updated to include a note about this at the next PCO. 7/19/84 KJ

KPR #: 2200002030 Product: RTE-6/VM 92084A 22.26

Keywords: DOCUMENTATION ERRORS

One-line description:
READT/WRITT NOT SUPPORTED ON IO MAPPED REMOTE MAG TAPE

Problem:
READT/WRITT do not work with remotely mapped mag tape.

Cause:
DEXEC does not allow more than 512 block transfers, READT/WRITT use larger block sizes.

Fix information:
This is true. READT/WRITT are not supported over DS. Manual will have a note to this effect added at 2501. kj 7/26/84

KPR #: 2200002113 Product: RTE-6/VM 92084A 22.01

Keywords: SRQ HP-IB

One-line description:
SRQ calls on RTE-6 does not work

Fix information:
To be fixed in A.85.

KPR #: 2200002170 Product: RTE-6/VM 92084A 22.26

One-line description:
!BCKOF error with source disk write protect

Problem:
Desc. of problem: Using the mini cartridge !BCKOF, I was attempting to attempting to copy a portion of the 7906 upper platter (LU 2 of my RTE 6 system)
From track map: 7906,400,0,0,2,0,10
To track map: 7906,400,0,2,2,0,10
FORMT terminated normally but I then got write errors on odd numbered tracks at sector 48. No errors are generated under the same circumstances with the write protect switch off.

Temporary solution:
WORKAROUND: UNPROTECT SOURCE PLOTTER

Fix information:
To be fixed on A.85.

KPR #: 2200002295 Product: RTE-6/VM 92084A 23.01

Keywords: RTE-6/VM

One-line description:
System manager manual omits STORE step in reconfiguration boot-up proc.

Fix information:
This is correct. The system manager's manual was missing a store step after step 5. This will be fixed at 2501 pco. kj

---

KPR #: 2200002428 Product: RTE-6/VM 92084A 23.10

Keywords: PSPAR

One-line description:
Loadr command file error in #PSPAR, PSPAR requres modules from $DSCLB

Fix information:
Fixed at C.83

KPR #: 2200002436 Product: RTE-6/VM 92084A 23.10

Keywords: FMGR

One-line description:
FMGR tries to look at 1st CRN in global list for MANAGER.SYS

Problem:
As MANAGER.SYS a LI,XXXX (where XXXX is a non-existent file). When the 1st entry in the global cartridge list is a group CRN to a group other than SYS. The system gives a FMGR-040 . It should give a FMGR-006.

Cause:
TITLE: FMGR tries to look at 1st CRN in global list when MANAGER.SYS
It seems that when you are logged on as MANAGER.SYS and you tell FMGR to look for a file. He tries to look at the first CRN in the global cartridge list, even if the CRN is not available to MANAGER.SYS. This gives a FMG-040 (if the LU is not in your SST) This happens ONLY if the the CRN is the very first entry.

Temporary solution:
Make sure the first CRN mounted is a system CRN.

Fix information:
Fixed in C.83 by new supported D.RTR (FMGR/CI file system version).

Signed off 04/10/84 in release C23.40

KPR #: 2200002477 Product: RTE-6/VM 92084A 23.01

Keywords: RTE-6/VM

One-line description:
COMPL & CLOAD do not work in 2301

Fix information:
To be fixed in A.85.

KPR #: 2200002824 Product: RTE-6/VM 92084A 23.01

Keywords: RECONFIGURATION CRASH

One-line description:
Permanent memory reconfiguration with 0 or 1 ID extension trashes system

Problem:
If you gen an RTE-6/VM operating system and include only 0 or 1 ID extensions, beware! If you try to do a permanent memory reconfiguration (even if you actually change nothing) with only 0 or 1 ID extensions, the configurator portion of the operating system will write in random places on the disc, and totally destroy your system.
When this occurs, the only thing you can do is to restore your backup, and start again. You will never be able to successfully perform a permanent reconfiguration of RTE-6/VM if you have only 0 or 1 ID extension generated in.

Cause:
This problem occurs because in the configurator (CNFX) starting at about line 1853, the configurator uses a variable called STOP. Unfortunately, in the case of one ID extension, this variable is never initialized. This variable is used to help calculate a pointer, which is then used when writing the information on the disc to make the new configuration permanent. Since it was never initialized, we end up pointing to a garbage area and thus destroying the system. (Note that if zero ID extensions are specified, the generator increments this count to one.)

Temporary solution:
Generate in 2 or more ID extensions. This makes sense anyway, as an ID extension is required for each EMA program in the system.

Fix information:
To be fixed at revision C.83.

Signed off 07/05/84 in release C23.40

KPR #: 2200002949 Product: RTE-6/VM 92084A 23.01

Keywords: DVR32 RTE-6/VM

One-line description:
DVR32 verify bit option doesnot work

Problem:
Disc controller has "verify" command. This command needs how many sectors to be verify (=sector count). DVR32 calculate sector count for it. In the case of LU is not "true cylinder mode", and data reached last 2 sectors (logical sector 94,95), DVR32 send sector count twice to the controller. The second sector count equal 0. Sector count =0 means 65,536 sectors verify (see 13037-90006 manual, pg. 3-12). It failed with "IO NR" or "IO TO" everytime.

Temporary solution:

WORKAROUND: Patch DVR32. DVA32 also use same routine, therefore we have change &DVR32 (Date code:2301) as follows:

ORIGINAL		NEW	
Line #	Instruction	Line #	Instruction
1082	CYK IDA EQT6,I	1082	CYK LDA EQT6,I
1090	ADA BM100	1090	ADA BM100
1091	ADA BM177 ->	1091	AND DM128

Original coding "ADA BM177" produce wrong sector count (=0) under paticular condition.
(You can check this routine with 6144 word data xfer. DVR32 produce two to patch DVA32 also).
verify command, these are 48 sectors and 0 sectors. New one eliminate unnecessary verify command.)

Fix information:
To be fixed at A.85.

KPR #: 2200003103 Product: RTE-6/VM 92084A 23.26

Keywords: MACRO

One-line description:
MACRO/1000 manual error

Fix information:
This was fixed at update #3 (6/83); page 3-20 "The X-Register contains the number of words to be moved." kj

---

KPR #: 2200003129 Product: RTE-6/VM 92084A 23.01

Keywords: RTE-6/VM

One-line description:
M/E/F firmware installation and Ref. man. (12791-90001) error

Fix information:
Manual is fixed in the lastest version - Sept 1983 with a May 1984 update.

Signed off 07/05/84 in release 23.40

KPR #: 2200003459 Product: RTE-6/VM 92084A 22.26

Keywords: T5IDM

One-line description:
T5IDM not picking up segments

Fix information:
To be fixed in A.85.

KPR #: 2200004671 Product: RTE-6/VM 92084A 23.01

Keywords: CS/80

One-line description:
&$TM33 IS INCORRECT (STARTING BLOCK OF SUB CH.=2)

Fix information:
To be fixed at A.85

KPR #: 2200004861 Product: RTE-6/VM 92084A 23.01

Keywords: SWAPPING REIO

One-line description:
Assigned programs with REIO do not swap

Fix information:
To be fixed in A.85.

KPR #: 2200004978 Product: RTE-6/VM 92084A 23.10

Keywords: CONFIGURATION

One-line description:
I/O RECONFIGURATION TO DELETE PRIVILEGED INTERRUPT FENCE CAUSES ERROR 3

Problem:
Attempting to reconfigure & remove privileged interrupt fence causes CONFIG ERROR 3.

Fix information:
Fix date unknown.

KPR #: 2200005157 Product: RTE-6/VM 92084A 22.26

One-line description:
RT6GN DOES NOT ACCEPT 2 OR MORE SH-EMA PARTITION ON A MOTHER PTN

Problem:
RT6GN treats as a error (GEN ERR 64) assigning more than one shareable EMA subpatition to the same mother partition (see below).

```
Part 01                 Shareable EMA patitions?
90,BG                   -
Subpartitions           2,SH001
YES                     -
Part 02                 3,SH002
30,S                --THEN->
Part 03                 GEN ERR 64
30,S
Part 04
30,S
```

However, the reconfigurator ($CNFG) accepts this configuration of subpatitions and there is no problem useing them.

Temporary solution:
Use reconfiguration ($CNFG).

KPR #: 2200005215 Product: RTE-6/VM 92084A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
Documentation errors in the Utility Manual

Fix information:
The problem: page 6-11 $PSPAR should be #PSPAR
page 4-25 user did not understand the line "it's segments (FC0,FC1,...,FCn)" where FCn was the last segment FC6.
Both of these will be updated at 2501. kj

KPR #: 2200005223 Product: RTE-6/VM 92084A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
Documentation errors in RTE-6/VM System Manager's Manual

Fix information:
To be fixed in C.83.
These were some manual bugs that were fixed at the 2340 PCO. They were:

1. An error on page 7-20 there was a mistake in the capability levels. The 1 and 2 should have been 10 and 20. Already fixed.

2. A note needed to be added not to include the line: 'CLRIO,RP,2001' if using QUERY. Already fixed.

KJ

KPR #: 2200005512 Product: RTE-6/VM 92084A 23.02

One-line description:
PSAVE REV.2302 (WITH VERIFY) DOESN'T WORK PROPERLY

Fix information:
To be fixed on A.85

KPR #: 2200005579 Product: RTE-6/VM 92084A 23.10

Keywords: ACCTS

One-line description:
ACCTS PROGRAM DOESN'T DETECT -212 ERROR ON 'NEW,USER' COMMAND

Problem:
New,user command specifies in the documentation a total limit of 68 for SST spares plus disc limit. Altering a user above this maximum correctly produces the error. However, creating a user above this maximum, creates an account with a corrupt SCB. List,user shows illegal values Logging on will create a session that can't be logged off.

Temporary solution:
Workaround: Alter, user to correct limits. If user has logged on, use Manager.Sys to shut down his session first.

Fix information:
To be fixed in A.85

KPR #: 2200005629 Product: RTE-6/VM 92084A 23.10

Keywords: LUPRN

One-line description:
LUPRN PRINTED OUT INCORRECT EQT# IF EQT IS GREATER THAN 63

Fix information:
Fixed at A.85.

KPR #: 2200005645 Product: RTE-6/VM 92084A 23.10

Keywords: KEYS

One-line description:
KEYS ABORTS IF THE ENTERED STRING STARTS WITH 'A..'.

Cause:
All user responces are compared to 040440B ('A ') in the first word of the input string.

Fix information:
At A.85 the check will be changed to check for a (/A) 27501B.

KPR #: 2200005686 Product: RTE-6/VM 92084A 23.01

Keywords: SHEMA

One-line description:
RTE-6/VM does not allow more than 63 sharable EMA programs (vs. 254)

Problem:
Maximum of 256 sharable EMA programs does not work, in fact only up to 63 sharable EMA programs allowed.

KPR #: 2200005744 Product: RTE-6/VM 92084A 23.01

Keywords: HP-IB

One-line description:
Documentations errors of EXEC control requests

Fix information:
This is true the manual was not clear. This was fixed at the C.83 pco KJ

KPR #: 2200005819 Product: RTE-6/VM 92084A 23.26

Keywords: CMD

One-line description:
CMD needs to be modified for usage with 2326 rev. of $PLIB

Problem:
The function PAS.PARAMETERS was modified in the 2326 revision of $PLIB to return a -1 if the parameter specified in the call to PAS.PARAMETERS did not exist and no parameters followed. (Actually, PAS.PARAMETERS checks for a following comma and assumes a parameter follows the comma.) Previously, PAS.PARAMETERS either returned the number of characters in the specified parameter or a zero if the parameter did not exist. The CMD utility on RTE-6/VM was not modified to reflect the 2326 revision of PAS.PARAMETERS. CMD assumes that if the return is non-zero, something has been returned by PAS.PARAMETERS. This means anyone who loads CMD with the 2326 revision of $PLIB gets error messages about illegal parameters when CMD is run without either all parameters specified or commas substituted in for all missing parameters.

Fix information:
Link CMD with an older revision of $PLIB, or include commas for any missing parameters in the runstring when calling CMD.
Fix date unknown.

KPR #: 2200006189 Product: RTE-6/VM 92084A 23.10

Keywords: PRSTR

One-line description:
PRSTR INCORRECTLY TERMINATES ON CHECKSUM ERROR

Fix information:
To be fixed on A.85.

KPR #: 2200006197 Product: RTE-6/VM 92084A 23.10

Keywords: FORMT

One-line description:
FORMT DOES NOT WORK WITH EQT IS GREATER OR EQUAL 64

Problem:
2040 FORMT DOES NOT WORK WITH EQT'S 64 AND HIGHER. (IT CLAIMS LU IS TO HIGH)

Fix information:
To be fixed on A.85.

KPR #: 2200006247 Product: RTE-6/VM 92084A 23.40

One-line description:
Help file for CI 'IN' command wrong on who can initialize a disc volume

Problem:
The help file for the CI 'IN' command claims any user can initialize an

empty disc volume. However, IN will only work from MANAGER.SYS, whether the LU is empty or not.

Cause:
The software works as designed, only the help file is wrong.

Fix information:
Fixed in A.85.

KPR #: 2200006387 Product: RTE-6/VM 92084A 23.40

Keywords: SESSION MONITOR

One-line description:
OWNER & TF abort with 'Disc error!' if directory has unknown owner

Problem:
OWNER and TF will report the error 'Disc error!' when accessing a directory with an unknown owner (i.e., the account has been purged).

Cause:
The FmpOwner routine calls IdToOwner to convert the ID number of the owner of the directory into a user name. If the user name doesn't exist, IdToOwner returns a -1. FmpOwner then just passes this error along to OWNER or TF which interprets it as being an FMP -1 error (disc error). FmpOwner should special case the -1 coming back from IdToOwner and return a different error (maybe 'no such user').

Fix information:
Fixed in A.85.
FmpOwner now returns a -233 (no such user) error if the owner of the directory does not exist.

KPR #: 2200006809 Product: RTE-6/VM 92084A 23.02

Keywords: FC

One-line description:
FC is possible to restore multiple of the same name files on the same LU

Problem:
Using FC, it is possible to wind up with multiple copies of the same file name on the same Disc LU.
Example: FC
```
 CO,-9{-FILE1},-15,F
  LU=9 (MT) has the files as follows
   *FILE1::A1
   =FILE1::A1
   *FILE1::06
   =FILE1::06
```

Fix information:
Fixed in A.85

KPR #: 2200006940 Product: RTE-6/VM 92084A 23.01

Keywords: DVC12

One-line description:
DVC12 (2608S DRIVER) CHANGE ITS EQT TYPE FROM 12 TO 13 AT LP GOES DOWN

Problem:
DVC12 (the device driver for the 2608S printer) flips a bit in EQT word 5 when the printer goes not ready (for example, runs out of paper or jams), changing the device type from 12 to 13. This is particularly troublesome when running Graphics/1000-II, since Graphics checks the device type in initialization calls.

Fix information:
Fixed in the A.85 PCO.

KPR #: 2200007518 Product: RTE-6/VM 92084A 23.26

Keywords: SYSTEM MANAGER

One-line description:
SYSTEM MANAGER'S MANUAL HAS INCORRECT DVA05/DVR05 INFORMATION

Fix information:
The explanation of DVR05/DVA05 was fixed at 2340 in the System Manager's Manual. kj

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KPR #: 2200007658 Product: RTE-6/VM 92084A 23.01

Keywords: AUTOR

One-line description:
8-CH MUX POWER-FAIL/AUTO-RESTART DOESN'T WORK PROPERLY

Problem:
8-ch mux power fail/auto-restart does not work propertly.

Cause:
8-chal mux needs the control request 30B in order to set up the card after the power fail recovery. Until the 30B request is issued by AUTOR , all channels will remain in self test state. What makes this really difficult is the identification of mux LU's and BACI LU's.

Temporary solution:
The final solution is site-by-site dependent. The user must modify AUTOR to fit a specific system gen and as changes to the enabling sequences are made. A new system gen may also required changes to AUTOR.

Fix information:
No change to software, the temportary solution should be documentated in the manual.

KPR #: 2200007773 Product: RTE-6/VM 92084A 23.40

Keywords: HP-IB DRIVERS DVA37

One-line description:
hp-ib driver inadvertently asserts srq on lines w/o srq

Problem:
If an HP-IB line is configured without SRQ and a device asserts SRQ, DVA37 inadvertently enables SRQ interrupt. This will cause the system to be tied up with continuous interrupts. This problem is in both %6DV37 and %6DA37.

Temporary solution:
A corrected version of %6DV37 is available from your local SE.

Fix information:
The fixed driver will be included in the A.85 PCO.

KPR #: 2200007849 Product: RTE-6/VM 92084A 23.01

Keywords: LIF

One-line description:
LIF on 6/VM rejects 'IN' command w/LIF-001 if linus tape has been used

Problem:
The LIF utility program, used for transfering
files from HP/1000 system to HP/9000 system, will not initialize a CS80 tape prior to storing files on the tape.
If CS80 tape has been used (in FC). Before LIF
'IN' command is used LIF error -001 happens.

Temporary solution:
WORKAROUND: Use FORMC to re-certify tape then use LIF.

Fix information:
To be fixed in A.85

KPR #: 2200007898 Product: RTE-6/VM 92084A 23.10

Keywords: DOCUMENTATION ERRORS

One-line description:
UPDATE INSTRUCTION (92084-90034) REV.2310 HAS A INCORRECT INFORMATION

Fix information:

Problem fixed as of rev 2340 PCO Cycle.

Signed off 07/05/84 in release 23.40

KPR #: 2200008078 Product: RTE-6/VM 92084A 23.40

Keywords: FMP

One-line description:
FmpRunProgram loops if prog. has "don't copy" set and is not dormant

Problem:
If a user calls FmpRunProgram to schedule a program that is already executing and that has the "don't copy" bit set, FmpRunProgram will loop forever until the program goes dormant.

Cause:
FmpRunProgram calls FmpRpProgram to clone the program name if it can. If the program is already RP'ed, and its "don't copy" bit is set, the ID segment can't be cloned and FmpRpProgram returns a -239 error. This signals FmpRunProgram to use the ID segment that already exists, but when it tries to do so, it finds the program busy. Since FmpRunProgram assumed that FmpRpProgram would give him only a non-busy ID segment, it calls FmpRpProgram again., This will continue in a loop until the program goes dormant.
FmpRpProgram should check to see if the program is dormant before it returns saying the ID segment is usable (this is the way it works on RTE-A).

Fix information:
Fixed in A.85.
If the program requested is already RP'ed, and it can't be cloned (or the clone option wasn't specified), FmpRpProgram now returns a -225 error (program busy) if the program is not dormant.

KPR #: 2200008235 Product: RTE-6/VM 92084A 23.26

Keywords: DVP43

One-line description:
RTE-6 w/93770 specials TBG can get HLT 1 on power fail recovery

Problem:
On an RTE-6 system with the 93770 specials TBG-TOD clock it is possible for a TBG tick to occur during power fail recovery.
There are several instructions at the beginning of the power recovery routine which occur before a CLC 0 is issued. Since the specials TBG has an external power source it will continue to tick even if power is lost. This was verified by inspecting the code.

Fix information:
Fix date unknown.

KPR #: 2200008292 Product: RTE-6/VM 92084A 23.01

Keywords: LINK

One-line description:
LINK on RTE-6 can not load >1 code segments with LC option

Problem:

When use RTE-6 to develop the programs for RTE-A memory only system, LINK will not load >1 code segments with LC option.

Temporary solution:
The temperatory solution has been developed and available. Contact your account SE.

Fix information:
Will be fixed @A.85.

KPR #: 2200008466 Product: RTE-6/VM 92084A 23.40

Keywords: CI LINK

One-line description:
LINK ignores swap file specified if working directory set

Problem:
LINK ignores the snap file specified (with the SN command or in the run string) if a working directory is set.

Cause:
If the working directory is set, LINK mistakenly throws away the given snap file name and uses the default snap file.

Temporary solution:
Set the working directory to zero before running LINK.

Fix information:
To be fixed at A.85.

KPR #: 2200009548 Product: RTE-6/VM 92084A 23.10

Keywords: SPOOLING

One-line description:
SMP CALL CAN CRUSH THE SYSTEM UNDER A CERTAIN CONDITION

Problem:
CONFIGURATION: 2113B+7912P+THREE-2645As+9872C
PROCEDURE: (1) ON #1 TERMINAL, I EXCUTE A PROGRAM THAT OUT SPOOLS DGL.
(2) ON #2 TERMINAL, I EXCUTE ANOTHER PROGRAM THAT OUT SPOOLS DGL.
(3) ON #3 TERMINAL, I EXCUTE MLLDR, TO LOAD MULTI LEVEL SEG. PROGRAM
PROBLEM: SYSTEM HANG or SYSTEM HALT
EXAMPLE:

```
    INTEGER IBUFR(16)
    DATA IBUFR/1,0,'SPDGL',77,14,37B,140400B,99,0,0,0,0,0,42/
    CALL SPOPN(IBUFR,ISLU)
         NOTE: IBUFR(1)#0    BATCH INPUT CHECKING
               IBUFR(9) BIT15=1 BUFFERING
                        BIT14=1 BATCH INPUT
```

ON THE SMP CALL ABOVE, PROGRAMMING ERROR CAUSES SYSTEM CRASH. SMP SHOULD REPORT THE ERROR AND/OR REJECT THE CALL; SYSTEM CRASH IS NOT ACCEPTABLE.
MODULE: SMP 92084-12028 REV.2121

Fix information:

Fix date unknown.

KPR #: 2200009845 Product: RTE-6/VM 92084A 23.40

Keywords: FMP FMGR

One-line description:
A terminal that LU is greater than 63 has a problem with OPENF call

Problem:
When OPENF is used on an LU > 63, it may or may not lock the LU properly. The problem reveals itself when booting-up and FMGR is enabling terminals in the WELCOM file - some of the terminals with LUs greater than 63 will be locked by FMGR until the WELCOM file is finished.

Cause:
OPENF is making a call to a system routine to determine if the LU is interactive. If it's not interactive, it goes ahead with the lock, but it doesn't do the lock if the LU is interactive. The problem is that OPENF is using a routine that doesn't recognize LUs > 63, but instead, it just strips off the lower bits and uses what's left for the LU. This resulting number might not look like an interactive LU.

Fix information:
Fixed in A.85.

KPR #: 2200009985 Product: RTE-6/VM 92084A 22.26

Keywords: WHZAT

One-line description:
WHZAT aborted with an I001 error. (by WH,AL:WH,AL)

Problem:
The problem is:
DS/WHZAT does not handle incorrect arguements in an appropriate manner. Perhaps it should do some more error checking. Currently, it seems that WHZAT gets corrupted. If memory resident, this corruption stays around until the system is rebooted.

Example: 'CI>wh,al:wh,al' causes I001 error.

Cause:
Whzat treated the second parameter as an LU, which the system frownd on.

Fix information:
Fixed in rev.2440 (A.85)

KPR #: 2200010546 Product: RTE-6/VM 92084A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
System MGR's manual page 4-26, sub ch=4,5 starting head should be 2

Fix information:

This bug will be fixed at A.85.
RTE-6/VM System Manager manual. Error on page 4-26. For 7906 discs the subchannels 4 and 5 should be on starting head 2. kj

---

KPR #: 2200010850 Product: RTE-6/VM 92084A 23.10

Keywords: DOCUMENTATION ERRORS HP-IB

One-line description:
DVA37 manual has incorrect informations

Fix information:
This was fixed at the 2340 update of this manual.

KPR #: 2200011072 Product: RTE-6/VM 92084A 07.82

Keywords: DOCUMENTATION ERRORS

One-line description:
Relocatable reference manaual has some of unclear entry points

Fix information:
Under results, For .DADS I have added the following:
For .DSB, value equals x - y
For .DSBR, value equals y - x
For the .DSBR replacement sequence, changed DSD Temp to DST Temp.
TU 8/3/84

KPR #: 2200011411 Product: RTE-6/VM 92084A 23.40

One-line description:
DVC12 causes 806 or 814 errors

Fix information:
To be fixed at A.85.

KPR #: 2200011429 Product: RTE-6/VM 92084A 23.40

One-line description:
DVC12 paper jam/paper out causes printer to hang.

Fix information:
To be fixed at A.85.

KPR #: 2200011437 Product: RTE-6/VM 92084A 23.40

One-line description:
DVC12 causing data loss problems.

Fix information:
To be fixed at A.85.

KPR #: 2200011445 Product: RTE-6/VM 92084A 23.40

One-line description:
printer will lock after paper jam/paper out

Fix information:
To be fixed at A.85.

KPR #: 2200011452 Product: RTE-6/VM 92084A 23.40

Keywords: FMP

One-line description:
Can't open file with negative equivalent of positive security code

Problem:
When opening a FMGR file (with either OPEN/OPENF or FMPOPEN) that has a positive security code, if the negative of that security code is given in the open call, a -205 error is returned (for FmpOpen) or a -7 error will be returned on the first WRITF call (for OPEN/OPENF). This used to work with no errors before revision 2340.

Cause:
Before 2340, as stated in the RTE-6/VM Programmer's Reference Manual, if a FMGR file had a positive security code, the file could be opened okay if either the positive or the negative equivalent of that security code was specified. For instance, if a file has a security code of 21, specifying a security code of 21 or -21 would open the file for write access. After 2340, D.RTR fails to allow the negative equivalent to be specified.

Fix information:
Fixed in A.85.
Fixed for both OPEN/OPENF and FMPOPEN.

KPR #: 2200011676 Product: RTE-6/VM 92084A 23.40

Keywords: CI

One-line description:
When CI gets an error, it puts absolute value of error into the SCB

Problem:
When CI gets an error, it puts the error message into the user's SCB where it can be retrieved by the HELP program. But, CI always puts the positive value of the error number there, e.g., a FMGR 006 instead of a FMGR-006.

Cause:
In CI's routine PrintError (the RTE-6 dependent version), the absolute value of the error is used to construct the message rather than the actual value.

Fix information:
Fixed in A.85.

KPR #: 2200012245 Product: RTE-6/VM 92084A .

Keywords: RT6GN EMA

One-line description:
Generator asks SHEMA questions

Problem:
TITLE:GENERATOR ASKS SHEMA QUESTIONS
MODULE: PART: OFFICE: PISCATAWAY
PROBLEM DESCRIPTION:
Shareable EMA is not supported by the generator.
Programs declaring shareable EMA use new relocatable records which cannot be accepted by the generator. OLDRE will not convert the ALLOC statement as stated by documentation. Why does the generator ask the question: Shareable EMA programs? Bottom line is shareable EMA programs NEED in some cases a file showing the subpartitions of the EMA area and must be online loaded. The generator and manual makes no mention of this!!
ADDITIONAL INFORMATION:
When generating shareable EMA programs into a system, the ALLOC statement will cause generator errors. Why does the generator ask EMA & shareable EMA programs questions??? OLDRE can't do the conversion and generator gives ERR 77. CATCH-22!

KPR #: 2200013938 Product: RTE-6/VM 92084A .

Keywords: RT6GN

One-line description:
Generator does not recognize extended background programs

Problem:
TITLE:GENERATOR DOES NOT RECOGNIZE EXTENDED BACKGROUND PROGRAMS
MODULE: PART: OFFICE: PISCATAWAY
PROBLEM DESCRIPTION:
During the "DEFINE PARTITIONS" phase, if a 32 page partition is defined, the generator asks for subpartitions. Since a program (EB) can be 32 pages, why?

Temporary solution:
WORKAROUND:
Reconfigure at boot with new configuration or assign the program to the 32K word partition.
Loading an EB program, MLLDR for example, onto this gen, then SPing the MLLDR and its segments results in an FMGR 14. This problem can be worked around by: (1) Assigning MLLDR or other program to the 32 page mother partition. (2) Reconfigure where the configurator doesn't subpartition a 32-page partition. (3) The configurator rev. 2206 (fixed version) works.

Fix information:
This was fixed in rev 2301 (SSB#5355)

Signed off 04/10/84 in release 23.01

KPR #: 2200015164 Product: RTE-6/VM 92084A 23.01

Keywords: EDITR

One-line description:
EDITR memory protects with a HLT 0

Problem:
If the EDITR (%EDI6R) is loaded as large background, it memory protects with a HALT ZERO. It will also memory protect if it is not sized up to allow for buffers.

KPR #: 2200015297 Product: RTE-6/VM 92084A .

Keywords: SPOOLING

One-line description:
Spooler sets up attributes of spool LU incorrectly

Problem:
FTN7X (or any other translator?) can overwrite source file with interactive prompt when source file specified by LU mapped to file via SL command.

Cause:
If the session LU to be mapped to file using SL command was originally mapped to a system LU which was mapped to EQT 0 (i.e. bit bucket) the allocated spool EQT takes on the identity of an interactive terminal (DV.00). Thus the source LU "looks like" an interactive device and FTN77 attempts to write input prompt to it. If file defined as read-only, then I023 occurs; if not, then source file is overwritten.
Batch and Spooling Manual, p. 2-13, states that LU's used in the SL command should correspond to the device type of the actual output device but that if the LU was not associated with a particular device, mag tape is assumed. This is not so--in this case, the LU takes on the character of a terminal, so FTN7X tries to write a prompt to it.

Temporary solution:
Use LU's that weren't mapped to the bit bucket before. Don't use spooling when compiling.

KPR #: 2200015834 Product: RTE-6/VM 92084A .

Keywords: MLLDR GRAPHICS/1000

One-line description:
MLLDR will not load GRAPHICS/1000-II programs

Fix information:
Segmenter can not handle multiple libraries with duplicate names. The workaround is to segment using one library and modify the command file as follows. Where an NA of a subroutine which calls a duplicate entry point occurs, replace it with an RE of the subroutine. Where an NA of a duplicate name occurs replace it with an SE of the appropriate library. The MLLDR manual will be changed to include this workaround at the next PCO. kj/ev 7/30/84

KPR #: 2200015958 Product: RTE-6/VM 92084A .

Keywords: RTE-6/VM

One-line description:
LU 2&3 first in CL, files created using default cart. cause error -19

Problem:
When running BASIC or EDIT, error FMGR -19 received when creating file with no cartridge ref. seq. LU 2 & 3 on top of CL.

Cause:
It appears FMGR tries to create saved files from BASIC and EC files from EDIT on system LU 2 & 3. RTE-IVB did not do this, it would skip LU 2 & 3.

Fix information:
The problem will be fixed @C.83.

Signed off 04/10/84 in release C23.40

KPR #: 2200016998 Product: RTE-6/VM 92084A 23.40

One-line description:
Load command file #DSRTR doesn't contain reference to $FMP6.

Problem:
To load DSRTR on-line, LOADR needs routines in $FMP6. This library is not referenced in the load command file (#DSRTR) however.

Fix information:
Fixed in A.85.
The command 'LI,$FMP6' was added to the load command file.

KPR #: 2200017541 Product: RTE-6/VM 92084A .

Keywords: SAVER

One-line description:
SAVER on RTE-6 does not save files with negative security

Fix information:
Fixed at B.82.

Signed off 07/05/84 in release 22.40

KPR #: 2200018812 Product: RTE-6/VM 92084A .

Keywords: HELP MULTIPOINT CMD

One-line description:
HELP and CMD don't work on multiple terminals

Cause:
CMD utility doesn't work properly from multipoint terminals. When running either HELP or CMD from multipoint terminals, multiple home cursors are issued, causing help or cmd message to be written at the

top of screen, and furthermore, it writes over itself.
Multiple 'esc H' are issued when CMD is outputing on multipoint terminal, which causes data to be overwritten and unintelligeable.

KPR #: 2200019265 Product: RTE-6/VM 92084A .

One-line description:
RT & BG program with RT & BG partitions

Problem:
When there is no RT partition available (e.g., all reserved) and there is a RT-program to be scheduled this program will take the largest partition available. If, for example, a mother partition is available, the program would occupy this partition, blocking the subpartitions.
The LOADR does give the message #REQ PRTN - problem but still the program will run.
In RTE-4B the LOADR generates the same message but scheduling gives a FMGR 19.

Temporary solution:
Make all partitions RT or BG (no mixture).

Fix information:
To be fixed at revision C.83

Signed off 07/05/84 in release 23.40

KPR #: 2200019554 Product: RTE-6/VM 92084A .

Keywords: LOADR MLLDR

One-line description:
MSEG size not clearly explained

Fix information:
To be fixed at 2440. On page 4-29 "zz page MSEG" , zz is now defined as "For EMA or VMA programs, the requested MSEG size in pages. The system actually uses one more page than requested." kj ev

---

KPR #: 2200019638 Product: RTE-6/VM 92084A .

Keywords: WHZAT

One-line description:
WHZAT reports strange "LKPRG=" messages

Problem:
WHZAT reports RN 047,LKPRG=<lf>n<lf>n<lf>
on a program doing a great deal of file opens and lcoes. Occasionally, (but repeatably) the program (YA..A) shows as hanging on a resource number. LKPRG= is a very bad program name.

Cause:
The problem here is that the RN Lock is cleared bewteen the time it is detected and the time the number is fetched. This causes WHZAT to report a spurious ID as the locker.

Fix information:
Fixed in Rev. 2440 (A.85).

KPR #: 2200019745 Product: RTE-6/VM 92084A .

Keywords: DVA05 MLLDR MP VIOLATION

One-line description:
SZ command in MLLDR causes MP's

Problem:
Program customer uses needs access to HEAP and IMAGE space. Followed instructions in Loader Manual. Causes MP errors when run. MLLDR emits no errors. Simplified program to verify--no access of HEAP--no access of IMAGE space--no executable statements. Same results with or without $IMAGE$. If loaded with SZ,+N command, either MP's or HALT 77. If loaded with SZ,N command, runs correctly. No LOADR errors in either case.

Temporary solution:
WORKAROUND:
Use SZ,N command.

Fix information:
To be fixed on A.85.

KPR #: 2200019794 Product: RTE-6/VM 92084A .

Keywords: MLLDR

One-line description:
MLLDR profiles to null LU

Problem:
MLLDR: Several commas added to run string parameter list in an attempt to add comments, produces a null parameter for the profile option. MLLDR tries to profile the load to a null LU. No errors produced, no message that profile was being performed, no runs batted in.

Fix information:
To be fixed on A.85.

KPR #: 2200020925 Product: RTE-6/VM 92084A .

Keywords: SPOOLING JOB

One-line description:
Negative security on job file

Fix information:
This is true JOB files can not have a negitive security code. The Batch and Spooling will be changed at A.85 to make this clearer.

KPR #: 2200022012 Product: RTE-6/VM 92084A .

Keywords: RT6GN

One-line description:
No error when EB program gen'd in.

Problem:
TITLE:NO ERROR WHEN EB PROGRAM GEN'D IN
MODULE: PART: OFFICE: GRENSBORO
PROBLEM DESCRIPTION:
The on-line generator (RT6GN) will not link a type 6 (EB) program as stated in the generator manual pgs. 2-47. However, I declared the LOADR program as "LOADR,6,97" in the parameter input phase and no error was reported. The generator did not link the LOADR module nor did it report any error either.
If EB program truly cannot be gen'd into the system, an error should be generated when the user attempts to do so.
1) "EB" capability in RT6GN would be desirable.
2) If "EB" or type 6 is "illegal" then report an error.
3) Don't just ignore the condition.

Cause:
TYPE 6 IS A LEGAL SUBROUTINE TYPE, IT IS NOT, HOWEVER, LEGAL FOR A MAIN (DEFINED AS A MODULE WITH A TRANSFER ADDRESS IN THE END RECORD). THE GENERATOR ALLOWS TYPE 6 ASSUMING THEY ARE SUBROUTINES BUT WILL NOT LOAD THEM WHEN IT FINDS THEM TO BE MAINS.

KPR #: 2200022475 Product: RTE-6/VM 92084A .

Keywords: DVR31 TRACK MAP

One-line description:
DVR31 track map call returns wrong # sect/track

Problem:
The code starting at $SPCL (line 703) expects to find the # sect/track prior to $TB31. The generator does not supply this word.
This will cause FC to fail when talking to a 7900 disk.

KPR #: 2200024190 Product: RTE-6/VM 92084A .

Keywords: PCOPY

One-line description:
PCOPY read errors on source LU

Problem:
PCOPY read errors format as follows:
Disc read error at LU XX trk X sec 0.
ADDITIONAL INFORMATION:
The problem occurs when on the source disc unit the format switch is
When copying LU XX to LU YY PCOPY reports this for every track (x) on
put off and on the destination disc the format switch is put on. So it
the source LU. The data has been copied to the destination LU.
can never occur when copying disc areas from one LU to another within
one unit. The status from the disc is interpreted in a wrong way. All

discs were from the MAC family (customer site 2 * 7920).

Temporary solution:
Put format switch on.

Fix information:
To be fixed on A.85

KPR #: 2200024232 Product: RTE-6/VM 92084A .

Keywords: EMA

One-line description:
User program with sh. EMA compiled with FTN4X & loaded with MLLDR aborts

Problem:
ADDITIONAL INFORMATION:
When compiling a program with FTN4X (using shareable EMA) and loading
When using a shareable EMA-file on LU 2, you can resolve the MLLDR
it with the MLLDR; the program will abort with an EM82 error on execu-
problem (program will execute). But whenever you want to load a non-
segmented EMA (shareable) progam using the same EMA name as the share-
tion. When loading a non-segmented program (compiled with FTN4X) with
LOADR with shareable EMA the program will run without problems.
able EMA file with LOADR you will get a <IL-EMA> error. So you have to
purge the file before starting LOADR.

Temporary solution:
Use FTN7X as compiler, generates "allocate" records which are treated
correctly by both loaders.
(FTN4X generates "EMA" records, probably not correct treated by MLLDR)

Fix information:
To be fixed in A.85.

KPR #: 2200024471 Product: RTE-6/VM 92084A .

Keywords: MLLDR

One-line description:
MLLDR VIS duplicate entry points

Problem:
Customer has E-Series and F-Series computers. He was trying to load
(via MLLDR) the same program on the E-Series and the F-Series machines.
ADDITIONAL INFORMATION:
The program has 2 separate nodes (in addition to the main program/node).
The problem seems to occur when 2 separate MLLDR nodes both make re-
Nodes M.1 and M.2 both reference the same VIS routine. The program
ferences to the same library routine which has "RPL'd" entry point. If
loaded fine on the E-Series when $VLB6B was searched. However, when
$VLB6A is used as the library on the F-Series, duplicate entry point
this is the case, MLLDR aborts with a "L-DU ENT" error. If the library
errors occur. The duplicate entry points are VIS firmware entry points.
routine is simply a software routine (no RPL), no error occurs.
(NOTE: The customer did NOT gen in these VIS libraries as per RTE-6
EXAMPLE: If subroutine "DMSUB" is called in 2 separate nodes, Version-A

Communicator #2.) If the same program is loaded by "LOADR" no error
will load and Version-B will abort with L-DU ENT error.

```
(A)     NAM DMSUB                (B)     NAM DMSUB
occurs.  (Also no segmentation, which is what the customer wants from
        ENT DMSUB,DMRPL                  ENT DMSUB
MLLDR.)
        EXT .ENTR                        EXT .ENTR
DMSUB   NOP                      DMSUB   NOP
        JSB .ENTR                        JSB .ENTR
        DEF DMSUB                        DEF DMSUB
        JMP DMSUB,I                      JMP DMSUB,I
DMRPL   NOP                      DMRPL   RPL 105555B
        END                              END
```

Fix information:
To be fixed at A.85.

KPR #: 2200024588 Product: RTE-6/VM 92084A .

Keywords: LINK WS

One-line description:
WS of LINK on RTE-6/VM doesn't work

Problem:
WS,xx can not be used to set working set size. Link ignores WS,xx and se
set DEFAULT size.

Cause:
This causes the VMA program to run in largest partition (e.g.,partition
needed for PASCAL).

Signed off 07/05/84 in release 23.40

KPR #: 2200025072 Product: RTE-6/VM 92084A .

Keywords: PCOPY

One-line description:
PCOPY OF LU 3 FAILS ON 7925 DISCS

Problem:
TITLE:PCOPY OF LU 3 FAILS ON 7925 DISC'S

Cause:
PCOPY fails when LU 3 is copied to an other area on another FGRS disc
The problem does not occur on a system with two 7920 disc's. Rest
is the same
If LU 3 is copied to an area SMALLER in size it works fine.

Fix information:
It will be fixed at C.83

KPR #: 2200025254 Product: RTE-6/VM 92084A .

Keywords: PARAMETERS

One-line description:
SC2LU fails to zero return parameter

Problem:
Additional information:
A status parameter returned by SC2LU will contain the value that was passed into SC2LU in that parameter if no errors occurred.

Temporary solution:
Zero the ISTAT parameter before calling SC2LU.

KPR #: 2200025783 Product: RTE-6/VM 92084A .

Keywords: LOADR EMA

One-line description:
LOADR does not load non-EMA programs properly

Problem:
ADDITIONAL INFORMATION:
If the LOADR needs to search a library and the library contains EMA routines and the EMA routines are before the last required subroutine, LOADR aborts, even though the program is non-EMA.

Temporary solution:
(1) Use LINK.
(2) Take out EMA subroutines from libraries.

Fix information:
Maybe related to SR# 2200030486.
To be fixed on A.85.

KPR #: 2200025825 Product: RTE-6/VM 92084A .

Keywords: CMD

One-line description:
CMD nulls

Cause:
CMD replaces the first character of each text line with a null when the output lu is not the user's terminal. The problem occurred with output to LU 6, spooled, a 2608 line printer driven by DVB12 92084-16004 rev. 2013. The problem also occurs when LU 6 is not spooled or if CMD is run non-session. The invocation used was:

```
:CMD,CMD,6[,,NI]
```

KPR #: 2200025965 Product: RTE-6/VM 92084A .

Keywords: MLLDR BLANK COMMON

One-line description:
Profiler option is not accepted when program contains a blank common

Problem:
ADDITIONAL INFORMATION:
When a program contains a blank common MLLDR doesn't accept PF option. MLLDR is aborted with L-CM BLK error.

Fix information:
To be fixed on A.85.

KPR #: 2200025999 Product: RTE-6/VM 92084A .

Keywords: MUX-8 CHANNEL

One-line description:
The other mux channels are locked out on short multiple output requests

Cause:
If a program that has a very tight loop doing output of very short records to 1 mux port, all the other ports go dead because only the 1 port gets serviced. There is nothing that the driver can do about this. The solution would be a modification to either the I/O system, firmware, or both. This problem exists in RTE-A, L, and XL as well.

KPR #: 2200026682 Product: RTE-6/VM 92084A .

Keywords: SGMTR

One-line description:
SGMTR calculates program size incorrectly.

Problem:
SGMTR calculates program size incorrectly. If SGMTR is run with a size of 29 pages passed in the run string, SGMTR does not report a node overflow. However, the transfer file produced will cause MLLDR to abort with a 'L-OV MEM" error. If this parameter is decreased to 28 pages, the resulting transfer file will produce a successful load, but MLLDR reports path length is 29 (not 28) pages.

Temporary solution:
Run SGMTR specifing a size one page less than needed.

Fix information:
To be fixed in 2440. The path size range is being changed from '1 to 31' to '2 to 32' and the default value for the maximum number of pages allow in a path is being to 32. kj

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KPR #: 2200026898 Product: RTE-6/VM 92084A .

Keywords: PASCAL FMP

One-line description:
POSNT one record past EOF in sequential file gives no error

Problem:
If a POSNT call is made to position a file past the EOF mark, POSNT returns a -12 error (as expected). If a POSNT call is then made to position the file to the first record after the EOF mark, POSNT returns

no error, but the file is really positioned at the EOF mark, not the record after it. For example (3 record type 3 file):

```
POSNT - rec. #6 ->  error=-12
POSNT - rec. #5 ->  error=0
WRITF           ->  actually writes into record #4
```

This is only true for sequential access files.

Cause:
POSNT, when forward positioning in a random access file, actually just performs sequential READF calls. When the EOF mark is read, the record number in the DCB is incremented by one, the "EOF has been read" bit is set, but the file pointers remain pointing to the EOF mark. In the example, after the EOF is reached, the record number in the DCB will be 5 and the pointers will point to record 4 (the EOF mark). When POSNT is told to position to record 5, it looks at the record number in the DCB and thinks that it is already positioned correctly. It should also look at the "EOF has been read" bit and realize that the record number is not accurate at this point.
Note that this situation where the record no. in the DCB doesn't match the file pointers always occurs when the EOF mark is read. This is a normal state when the "EOF has been read" bit is set, and this case is handled correctly by WRITF, READF, and sometimes by POSNT (when backing up as mentioned in the workaround).

Temporary solution:
The workaround, when the -12 error is returned from POSNT, is to call POSNT again to back up one record (call with relative record = -1). This resets the record number in the DCB to point at the EOF mark, and it clears the "EOF has been read" bit.

Fix information:
Fixed in A.85.
POSNT will now return a -12 error if an attempt is made to position to the first record after the EOF mark.

KPR #: 2200027086 Product: RTE-6/VM 92084A .

Keywords: DOCUMENTATION ERRORS DRIVERS

One-line description:
DVM33 extended status reject error: fixed at rev.2302, close it.

Problem:
ADDITIONAL INFORMATION:
The code crunch performed for the 2301 PCO resulted in a typo in the code which checks for the validity of extended status calls to DVM33. Consequently all such calls are rejected with I007 errors.

Fix information:
Fixed at A.83

Signed off 07/05/84 in release 23.02

KPR #: 2200027334 Product: RTE-6/VM 92084A .

One-line description:
Merge not compatible RTE 6VM TO RTE-4B

Problem:
The merge utility does not supply CR,LF record terminators when the destination was LU 1.

Cause:
The RTE-IVB MERGE always supplies the CR, LF terminator. MERGE should behave consistently in different systems & w/diff devices in same system Problem may not be with merge but rather when the driver gets involved it may be handling things differently.

Signed off 07/05/84 in release 23.01

KPR #: 2200027672 Product: RTE-6/VM 92084A .

Keywords: FC

One-line description:
FC does not report correct account when an account is linked.

Problem:
When a file or cartridge is saved from a user account which is linked to another user account, FC doesn't report the correct account (obviously, in one account it does, the other it doesn't). This can be confusing since the same crn but with different information on them.

KPR #: 2200027805 Product: RTE-6/VM 92084A .

Keywords: RTE-6/VM

One-line description:
Error message from ?? incompatable with HELP file

Problem:
The error numbers printed using the ?? command in FMGR are not consistent with the numbers as they appear in the HELP file.

Cause:
The ?? command prints a -6 error like this: FMGR -06.
The HELP file contains the error like this: FMGR-006.

Fix information:
Fixed in C.83.
The ?? command has been changed to print negative error numbers with one or two digits as: "FMGR-0nn" rather than: "FMGR -nn" to be consistent with the HELP file.

Signed off 04/10/84 in release C23.40

KPR #: 2200027821 Product: RTE-6/VM 92084A .

Keywords: HP-IB

One-line description:
IOCNT returns 0 and does not reflect actual transmission in RTE-6/VM

Fix information:
To be fixed in A.85.

KPR #: 2200028183 Product: RTE-6/VM 92084A .

Keywords: RTE-6/VM

One-line description:
$SYENT not created

Fix information:
To be fixed in A.85.

KPR #: 2200028225 Product: RTE-6/VM 92084A .

Keywords: FC

One-line description:
FC does not list a file named \ (backslash).

Problem:
If on some cartridge, a file \ (only backslash) exists, FC copies it, but doesn't list, if you do a CO,{-lu},-8,F for example.

Fix information:
Will be fixed 2340.

Signed off 07/05/84 in release 23.40

KPR #: 2200028332 Product: RTE-6/VM 92084A .

Keywords: REIO SAM

One-line description:
REIO call with 0 buffer length can corrupt SAM and may crash system.

Problem:
When running a program on a driver 00 terminal that does as REIO call with 0 as a buffer lenfth, driver 00 changes the buffer length to 1. The buffer allocated in SAM is not increased by 1, so any input at all will overwrite the word in SAM immediately following the SAM buffer allocated for this program.

Cause:
See problem statement.

Fix information:
Fixed in Rev. 2440 (A.85).

KPR #: 2200028381 Product: RTE-6/VM 92084A .

Keywords: RTE-6/VM

One-line description:
Documentation change

Fix information:
The loader command files were fixed at the 2340 update of the System Manager's Manual and %RBLIB was changed to $RBLIB. kj

---

KPR #: 2200028530 Product: RTE-6/VM 92084A .

One-line description:
ABNORMAL TERMINATION STATUS NOT PASSED TO FATHER IF SON ABORTS

Fix information:
To be fixed in A.85.

KPR #: 2200028555 Product: RTE-6/VM 92084A .

Keywords: LINDX

One-line description:
LINDX CANNOT CREATE SNAPSHOT FILE ON LARGE SYSTEMS

Problem:
When running LINDX to create the snapshot file SNAP.6, the error "too many entries" will occur if the number of entry points exceeds 2500. (This is a known problem. There was a "special" version of LINDX (%LIND1::SP) on the SEAS system to allow more entries.

Cause:
LINDX contains arrays which are dimensioned to 2500 elements. Using EDIT, if you change the source code to accomodate larger arrays (e.g. 4000 elements), you will get FMGR-11 errors when you run LINDX to create the snapshot. This appears to be caused by the scratch file (created by LINDX during the process of creating the snapshot file) over filling.

Temporary solution:
By increasing the size of the scratch file created (e.g.from 96 to 128), the FMGR-11 errors did not occur.

Signed off 07/05/84 in release 23.40

KPR #: 2200029330 Product: RTE-6/VM 92084A .

Keywords: FC

One-line description:
FC will save a corrupt file ok but will not restore any files saved

Problem:
FC allows a file with a negative type or record length to be backed up, but reports a tape format error -14 when restoring a tape containing such files, preventing any files on the tape from being restored.

Fix information:
Will be fixed on REV.2340.

Signed off 07/05/84 in release 23.40

KPR #: 2200029371 Product: RTE-6/VM 92084A .

Keywords: PSAVE

One-line description:
PSAVE reports wrong bad track

Problem:
PSAVE reported track 126 as bad. Running FORMT on the same disc reported track 127. Track 127 was spared using FORMT and the problem cleared up.

Cause:
This results for a request which crosses a track boundary. PSAVE only knows where the request started, not where the error actually occurred. FORMT, on the other hand, reports the actual error location.

Fix information:
This will be fixed at the A.85 update of this manual. kevin jones

---

KPR #: 2200029488 Product: RTE-6/VM 92084A .

Keywords: FMGR

One-line description:
FMGR creates 'filler' file past last bad track

Problem:
If a bad track is flagged by FMGR and a person tries to create a file filling that cartridge using a -1 with size, FMGR returns a -33 (not enough room) error.
EX: Flag track 200 of a 400 track defective with the 'IN' command. Now create a filler file. It will create a 199 track filler. Now do it again. Now it will give a -33 error.

Cause:
FMGR is acting as it should, but the manual is not clear that this should be happening. Buried under the IN command is the explanation (pg. 3-83, RTE-6/VM Terminal User's Manual), but it should also be explained under the CR command where the ramifications of this action really show themselves.

Fix information:
The information already was in the description of the IN command (Terminal User's pg. 3-83). Some of this infomation should have been under the CR command (Terminal User's pg.53). The manual will be modified at A.85 to include "When creating a file with a size of -1, space may be wasted if a bad track exists on the cartridge. When a file is being created, the location of the starting track will be increased until the file contains no bad tracks and space may be lost." kj

---

KPR #: 2200029652 Product: RTE-6/VM 92084A .

One-line description:
Manual needs RTE-6 Operating System ROM information

Fix information:
Fix date unknown.

KPR #: 2200029686 Product: RTE-6/VM 92084A .

Keywords: FMGR

One-line description:
CLOSE call fails to report error

Problem:
If a file has a security code and none is provided in the "open call" the truncate option in the "close call" fails with no error being returned.

Fix information:
The problem will be fixed @C.83.

Signed off 04/10/84 in release C23.40

KPR #: 2200029959 Product: RTE-6/VM 92084A .

Keywords: FORMT FC

One-line description:
FC & FORMT fail with 7933 as system disc

Problem:
FC and FORMT fail when 7933 is system disc and 7912 is peripheral disc on separate I/F card. Works when 7912 is system disc and 7933 is on separate I/F. Separate I/F uses $TN33 and DVN33.

Cause:
We are investigatng problems with using TN33 vs. TM33 while using subroutine LDTUP.

KPR #: 2200030502 Product: RTE-6/VM 92084A .

One-line description:
Last system track on LU2 gets trashed

Problem:
TITLE:LAST SYSTEM TRACK ON LU2 GETS TRASHED

Cause:
If a segment is off'ed and that segment used the last short id segment and the last track of the system area on LU2 is owned by "SYS", the track assignment table will be corrupted.

Temporary solution:
Workaround: Do not use last short id segment.

Fix information:
To be fixed on A.85.

KPR #: 2200030551 Product: RTE-6/VM 92084A .

Keywords: SPOOLING

One-line description:
GASP-040 when non-session disc mounted

Fix information:
Fixed at C.83.

KPR #: 2200030643 Product: RTE-6/VM 92084A .

Keywords: LINK

One-line description:
LINK fails with named common & 'FO' option.

Problem:
When a program using named common is force loaded because not all defined subroutines are available, the named common area is dropped by LINK and the program does not work. LOADR works correctly. For ex.,

```
  PROGRAM TEST
  COMMON /ABC/ABC (10000)
  IF (I.EQ.1) CALL MYSUB
  END
```

If "MYSUB" is nonexistent and the program is force loaded, LINK creates a type 6 file with only 2 pages. Since there are 20 pages of array, this is wrong. LINK fails even if a block data subprogram is used. LOADR works ok.

Fix information:
To be fixed A.85

KPR #: 2200030668 Product: RTE-6/VM 92084A .

Keywords: FMGR ABORT

One-line description:
FMGR illegally aborts program schedule request

Problem:
The customer had loaded a program with the don't clone option (OP,DC). He then SP'ed the program on LU 2 and OF'ed it. He then created three FMGR transfer files, each one identical as follows:

```
   :RU,PROG
   :TR
```

The customer then scheduled three copies of FMGR and began executing the transfer files. The program began execution and the other two copies of FMGR suspended trying to queue the program. When the program finished execution the second time, instead of being rescheduled a third time to satisfy the queued request, the third transfer file was aborted with a FMGR 049 error.
Note: When the program was RP'ed prior to the above procedure, everything worked OK.

Cause:
There seems to be a timing problem with one FMGR copy removing the ID segment of the program before the next copy gets a chance to run it.

Temporary solution:
If the program is RP'ed first, the problem does not occur.

KPR #: 2200030965 Product: RTE-6/VM 92084A .

Keywords: TYPE 6 FILES

One-line description:
XQPRG scheduling type 6 files not RP'ed fails at revision A.83

Problem:
When scheduling a program using XQPRG at rev 2301 of RTE-6/VM, if the program is not RP'ed (no temporary ID segment built), the program cannot be scheduled. Instead an RQ error will occur. If the optional parameters ISECU and ICR are passed in the XQPRG call (they can be passed with values of zeros), or if the program is RP'ed, this problem does not occur.

Temporary solution:
RP the son process(es) or specify zeros for ISECU and ICR in the XQPRG call.

Fix information:
To be fixed in the A.83 addendum PCO.

Signed off 01/06/84 in release 23.01

KPR #: 2200030999 Product: RTE-6/VM 92084A .

Keywords: PSAVE

One-line description:
PSAVE error with MUVE options and many LU's

Problem:
When doing a PSAVE with the MUVE options, PSAVE got an 'UNEXPECTED END OF FILE' error when verifying the 14th LU (of out of about 20 LU's). It seems that PSAVE can only handle 32767 (?) blocks on the verify. This happens when backing up to LINUS tape. As a workaround, split the backup onto 2 LINUS cartridges each containing less than the max. # of blocks.

Fix information:
To be fixed A.85.

KPR #: 2200031005 Product: RTE-6/VM 92084A .

Keywords: FMGR

One-line description:
MR COMMAND DOES NOT WORK WITH NEW RELOCATABLES

Problem:
Can't do an "MR" command with a new relocatable record file. You get a FMGR-007 error when you try to MR the file.

Cause:
The MR command was only reading 64 words per record of the relocatable file, but the new format allows up to 128 words. Also, it was checking for an END record to terminate a module, so it's been updated to also check for an XEND record.

Fix information:
Fixed in C.83.

Signed off 04/10/84 in release C23.40

KPR #: 2200031120 Product: RTE-6/VM 92084A .

Keywords: FMGR

One-line description:
VL command gets FMGR-056 error under MTM

Problem:
Under an MTM system the VL command doesn't work. VL,xx or VL,-LU where xx is a cartridge reference number and LU is an LU number both generate FMGR-056 error. VL by itself will reset $SCRN to 0, however.

Fix information:
Fixed in C.83.
The command has been updated to allow a non-session disc to be specified only if session has not been enabled on the system. A system disc is allowed whether in session or non-session.

Signed off 04/10/84 in release C23.40

KPR #: 2200031344 Product: RTE-6/VM 92084A .

Keywords: UNDOCUMENTED ERRORS FMGR

One-line description:
FMGR-103 error not documented

Fix information:
Programmer's Reference, RTE-6/VM Terminal User's, RTE-6/VM Quick Reference Guide.
FMGR-103 was documented during C.83 in the following manuals: RTE-6/VM Terminal User's Guide (Appendix A) and the RTE-6/VM Quick Reference Guide.

KPR #: 2200031534 Product: RTE-6/VM 92084A .

Keywords: ACCTS DOCUMENTATION ERRORS

One-line description:
ACCTS - load instruction, prompts incorrect

Problem:

ACCTS - LOAD instruction, prompts incorrect.

Cause:
LOAD instructions, p8-44 and p8-45 are grossly inaccuate.

Fix information:
The problem was fixed at C.83 in the rte 6 system managers manual. kj

Signed off 07/05/84 in release 23.40

KPR #: 2200031682 Product: RTE-6/VM 92084A .

Keywords: SPOOLING

One-line description:
GASP won't kill spool files by LU number

Fix information:
To be fixed at A.85.

KPR #: 2200031765 Product: RTE-6/VM 92084A .

Keywords: RT6GN

One-line description:
PVM00 not in TA II

Problem:
In a system generation for RTE-6/VM with DSN/X.25, PVM00 should be in Table Area II in order for LAPBV, XINIT, XREAD/XWRITE, etc. to run correctly. Therefore, PVM00 should be specified as a Type 13 module. However, if the generator attempts to load DVM00 into Driver Partition 1 after the disc driver, it will also attempt to load PVM00 into Driver Partition 1, causing a driver partition overflow. The system generation is then no good.

Cause:
In this case, the generator loads the disc driver DVR32 into Driver Partition 1. DVR32 does not use the entire partition, therefore the generator searches for another driver which will also fit into Driver Partition 1. It finds DVM00 and puts DVM00 into Driver Partition 1 also. However, DVM00 has an external reference to PVM00, which has not yet been relocated. The generator tries to resolve this external reference by loading PVM00 into Driver Partition 1 also, causing an overflow. If PVM00 had already been placed in Table Area II, since it was specified as a Type 13 module, the generator would have been able to resolve DVM00's external reference.

Temporary solution:
Relocate another driver which will use the area in Driver Partition 1 not used by the disc driver before relocating DVM00. This will insure that DVM00 will not be in Driver Partition 1 but will be relocated into a driver partition after PVM00 was already placed in Table Area II.

Fix information:
This problem will be fixed at A.85.

KPR #: 2200032300 Product: RTE-6/VM 92084A .

Keywords: CRASH

One-line description:
Sample dummy driver causes system crashes

Problem:
Autor gets DM violation when it runs. 2nd time gets MP <INT> message. 3rd time systems crashes.

Cause:
The sample DVD00 on page 9-2 consists of 2048 NOP's to reserve space in a driver partition for later on line drive development. If you generate LU's and EQT's that use this driver a crash will result if
1. a power fail occurs and AUTOR finds the EQT as type 00 and attempts to write a powerfail message which causes the driver to be entered by system. 2048 NOPs later you fall out of the driver partition and into SSGA on data area of user program etc.
2. a card at the select code interrupts and causes driver entry at CD00

Temporary solution:
Workaround: use a smarter dummy driver e.g.

```
ID00 NOP
     CLB       } Give immediate          (A)          do a completion
     LDAB4       completion return       CLA        } return. SR. ill
     JMP ID00,I                          CCB          int. message will
     ---------------                     JMP CD00,I   printed
CD00 NOP                                 B4 OCT 4
     IOR CLC>C } CLC on card to          CLC.C OCT 107700   Reserve rest
     STA CLC     shut it off.                             } of partition
CLC  NOP <---(A)                         BSS 2030
```

Fix information:
The sample dummy driver was fixed at the 2340 update to the Utilities Reference Manual. A 'BSS 2048' instruction was changed to a 'BSS 2045' and the dummy driver now fits in a driver partition. kj

---

KPR #: 2200032318 Product: RTE-6/VM 92084A .

Keywords: LOADR

One-line description:
TR command not explained well in LOADR manual

Fix information:
The point of confusion seems to be that the loader will not load any more segments until the undefined external which caused the command file to be suspended is resolved via searching a library or the force load (FO) option is specified. The explanation of the TR command will be changed to include more detail at the next PCO. kj

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KPR #: 2200032334 Product: RTE-6/VM 92084A .

Keywords: CRASH RTE-6/VM

One-line description:
Two LU's pointing to one EQT causes system crash

KPR #: 2200032359 Product: RTE-6/VM 92084A .

Keywords: FC

One-line description:
FC gets -32 error due to new files system cartridge

Problem:
FC gets a FMGR -32 error when searching for a file for which no cartridge was specified, if a hierarchical filesystem cartridge is encountered during the scan.

Temporary solution:
Always specify the cartridge in addition to the file name.

Fix information:
Will be fixed on C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200032391 Product: RTE-6/VM 92084A 23.40

One-line description:
PSAVE will not back up Datasafe partridge

Temporary solution:
Dismount the paired cartridge and remount one of the LU's. PSAVE can save from this. However, this can be a problem if the physical LU's have been defined as greater than 63. Another possibility is to copy the paired LU to an unpaired LU and do the PSAVE from the unpaired LU.

KPR #: 2200032409 Product: RTE-6/VM 92084A .

Keywords: DOCUMENTATION ERRORS

One-line description:
PARSE not in Index

Problem:
PARSE is not listed in index of Relocatable Lib. Ref. Manual.

Fix information:
You can find the PARSE subroutine documented on page 5-77 of the RTE-6/VM Programmer's Reference Manual (Part No. 92084-90005). PARSE is callable from Fortran. Page 5-78 of this manual contains a sample Fortran program demonstrating a call to the PARSE subroutine.

KPR #: 2200032508 Product: RTE-6/VM 92084A .

Keywords: DRRPL DRIVERS

One-line description:
DVR00 CANNOT HANDLE EQT EXTENSIONS

Problem:
The system is generated with dummy drivers that have some EQT extension words. When DRRPL does on-line replacement, it does not consider the needs the EQT extension words. When driver is replaced, the EQT automatically gets the extension.
However, DVR00 does not want to have EQT extension words and thinks the extension informaton is its own flag information. DVR00 uses these words to keep track of the program to schedule on unexpected interrupt and so it becomes confused. Result: no schedule on interrupt.

Cause:
See problem statement.

Fix information:
Fixed in Rev. 2440 (A.85).

KPR #: 2200032516 Product: RTE-6/VM 92084A .

Keywords: VMA VWRIT

One-line description:
VWRIT non-sharable EMA I004 error

Problem:
A VWRIT call aborts with an I004 error when trying to write out 898 words from a 20000 word EMA array to a type 1 file. Up to word 898, the call works. Additionally, if the common declared space [behind the declaration of SOURCE (20000)], is changed or altered the problem changes in the location of the error!

Fix information:
To be fixed in 2340 revision

Signed off 07/05/84 in release 23.40

KPR #: 2200032524 Product: RTE-6/VM 92084A .

Keywords: FMGR

One-line description:
Type 0 file purge fails if any files on cartridge are open

Problem:
A type 0 file cannot be purged in RTE-6/VM if any files are open on the cartridge, or if any programs are RP'ed off the cartridge.

Cause:
FMGR has to do some special work to purge a type zero file, and part of this includes locking the cartridge to insure nothing goes wrong in the process (FMGR writes directly to the cartridge directory, it doesn't use

D.RTR to purge a type 0 file). In order for the lock to succeed, there can be no open files or RP'ed programs on the cartridge. This needs to be documented under the PU command in the RTE-6/VM Terminal User's Manual.

Fix information:
The software was modified at 2340. It is no longer necessary for FMGR to lock the cartridge to purge a type 0 file. Since the lock is no longer done there can be open files or RP'ed type 6 files and the purge will succeed. kj

---

KPR #: 2200032540 Product: RTE-6/VM 92084A .

Keywords: LOGON UNDOCUMENTED ERRORS

One-line description:
LOGON errors not documented

Problem:
A number of "LGON" error messages are not documented, including LGON 00 LGON 03, LGON 04, LGON 05, LGON 07, LGON 08, and LGON 12.

Cause:
These should be documented in chap. 8 of system manual's where the other LGON messages are explained.

Fix information:
All the LGON error messages were added to the System Manager's Manual at the 2340 pco. kj

---

KPR #: 2200032565 Product: RTE-6/VM 92084A .

Keywords: HP-IB

One-line description:
CLEAR & RMOTE won't access EQT's above 63

Fix information:
. To be fixed in A.85.

KPR #: 2200032581 Product: RTE-6/VM 92084A .

Keywords: DOCUMENTATION ERRORS

One-line description:
System Manager's Manual does not specify $PLIB

Problem:
Table 4-3A in System Manager's Manual does not list $PLIB as a library required by FC.

Fix information:
FC does require $PLIB. Fixed at C.83.

KPR #: 2200052282 Product: RTE-6/VM 92084A 21.01

Keywords: SPOOLING HP-IB DVR37

One-line description:
CANNOT SPOOL TO AN HPIB DEVICE

Problem:
WHEN SPOOLING TO AN HPIB DEVICE DATA CAN BE LOST. IF THE DEVICE IS DESIGNED TO USE SECONDARY ADDRESSES DATA WILL BE WRITTEN/READ FROM THOSE ADDRESSES.

Cause:
AS ABOVE. SPOOLING IS WRITTEN TO USE CLASS I/O. FURTHERMORE, THE CLASS WRITES ARE CODED TO PASS AN OPTIONAL PARAMETER TO THE CLASS GETS. WHEN THE "Z" BIT IS CLEAR AND THE FIRST OPTIONAL PARAMETER IN THE EXEC CALL IS NON-ZERO, DVR37 TREATS THAT PARAMETER AS A SECONDARY ADDRESS. THE CLASS I/O EXEC CALLS THAT SPOOLING SETS UP FILL BOTH OF THESE REQUIREMENTS. HENCE, RATHER THAN DATA BEING SPOOLED TO THE PRIMARY ADDRESS FOR A DEVICE, THEY ARE READ/WRITTEN TO THE SECONDARY ADDRESS SPECIFIED IN THE FIRST OPTIONAL PARAMETER.

Temporary solution:
AS A WORK-AROUND USERS CAN GENERATE A PRE-2026 VERSION OF DVR37 INTO THEIR SYSTEMS.

KPR #: 2200053579 Product: RTE-6/VM 92084A 21.21

Keywords: SWTCH

One-line description:
SWTCH ACCEPTS ILLEGAL 'N' FOR RESPONSE

Problem:
SWTCH ACCEPTED AN ASCII 'N' AS A RESPONSE TO A PROMPT WHEN " "<CR> OR A NUMBER WERE THE ONLY VALID RESPONSES.

KPR #: 2200053595 Product: RTE-6/VM 92084A 21.21

Keywords: RT6GN

One-line description:
GEN ERROR 07 - GENERATOR SYMBOL TABLE OVERFLOW

Problem:
GEN ERR 07 OCCURRED WHEN SYSTEM LU 2 HAD 13 SWAP TRACKS AND LU 3 WAS ALL SWAP TRACKS. LU 2 HAD 48 BLOCKS PER TRACK. THE GENERATOR ASSUMES A HIGHER BLOCK/TRACK COUNT.

Temporary solution:
RERUN THE GENERATOR WITH FEWER PROGRAMS BEING LOADED.

KPR #: 2200053611 Product: RTE-6/VM 92084A 21.21

Keywords: HELP

One-line description:
NULL PRINTED FROM HE,<KEY>,6

Problem:
A NULL IS PRINTED AS THE FIRST CHARACTER OF EACH LINE FOR HE,<KEY>,6 ON A 2608A LINEPRINTER. THIS NULL OVERWRITES THE REAL FIRST CHARACTER.

KPR #: 2200053629 Product: RTE-6/VM 92084A 21.21

Keywords: SPOOLING

One-line description:
GASP DOES NOT RETURN AN ERROR FOR RS,<SPOOLFILE> NOT IN A OR AH STATE

Problem:
GASP DOESN'T RETURN AN ERROR WHEN YOU DO ^RS,<SPOOLFILE> AND THE SPOOLFILE IS NOT IN A OR AH STATE.

KPR #: 2200053637 Product: RTE-6/VM 92084A 21.21

Keywords: SPOOLING

One-line description:
SPOOL FILE GOES INTO STATE A INSTEAD OF STATE AH

Problem:
WHEN A SPOOL FILE IS RELEASED TO THE MAG TAPE AND THERE IS NO TAPE MOUNTED, THE SPOOL FILE GOES INTO ACTIVE STATE INSTEAD OF AH.

KPR #: 2200053686 Product: RTE-6/VM 92084A 21.21

Keywords: INDXR

One-line description:
INDXR PRINTS FILE OVERLAY QUESTION TO THE LIST DEVICE

Problem:
INDXR PRINTS THE FILE OVERLAY QUESTION TO THE LIST DEVICE (I.E. A LINEPRINTER) AND TO THE SCHEDULING TERMINAL

Fix information:
To be fixed on A.85.

KPR #: 2200053694 Product: RTE-6/VM 92084A 21.21

Keywords: INDXR

One-line description:
INDXR DOES NOT PRINT FILE NAME ON FMGR ERROR

Problem:
ON SOME FMGR ERRORS, INDXR DOESN'T PRINT THE NAME OF THE FILE WHICH CAUSED THE ERROR.

KPR #: 2200053702 Product: RTE-6/VM 92084A 21.21

Keywords: INDXR

One-line description:
'INDXR ABORTED' MESSAGE NOT SENT TO THE LIST DEVICE

Problem:
THE 'INDXR ABORTED' MESSAGE IS NOT SENT TO THE LIST DEVICE IF THE LIST DEVICE IS NOT LU 1. THE 'INDXR DONE' MESSAGE IS NOT DISPLAYED EITHER.

Fix information:
To be fixed on A.85.

KPR #: 2200053710 Product: RTE-6/VM 92084A 21.21

Keywords: SCOM

One-line description:
SCOM DOES NOT PRINT COMPARISON RESULTS TO LIST FILE

Problem:
SCOM DOESN'T PRINT THE COMPARISON RESULTS OR ERROR MESSAGES TO THE LIST FILE.

Temporary solution:
CHECK THE SCHEDULING TERMINAL FOR ERRORS AND THE COMPARISON RESULT.

Signed off 01/06/84 in release 23.01

KPR #: 2200053728 Product: RTE-6/VM 92084A 21.21

Keywords: INDXR

One-line description:
INDXR ALLOWS SAME NAM/EXT SYMBOL IN LIBRARY

Problem:
INDXR ALLOWS THE SAME NAM/ENT SYMBOL TO BE PUT INTO A LIBRARY TWICE.

Fix information:
To be fixed on A.85.

KPR #: 2200053736 Product: RTE-6/VM 92084A 21.21

Keywords: SXREF

One-line description:
SXREF GETS A FMGR-012 ERROR ON ITS SCRATCH FILE

Problem:
SXREF GIVES A FMGR-012 ON ITS SCRATCH FILE IF THERE IS AN AB COMMAND IN THE MIDDLE OF THE MLLDR COMMAND FILE.

Fix information:
If a /A or AB command is found during MLLDR processing of the command file, processing will not continue. An AB or /A command will have the same effect as breaking SXREF. Using a AB or /A at the end of the command file would have the same effect of a syntax check only done on the command file.

KPR #: 2200053751 Product: RTE-6/VM 92084A 21.21

Keywords: UNDOCUMENTED ERRORS FMGR D.RTR

One-line description:
FMGR-768 NOT DEFINED

Problem:
FMGR-768 IS NOT DEFINED. FMGR RETURNS A FMGR-768 WHEN D.RTR ABORTS.

KPR #: 2200053769 Product: RTE-6/VM 92084A 21.21

Keywords: LOADR

One-line description:
LOADR DOES NOT ISSUE WARNING ON VS SIZE

Problem:
LOADR DOESN'T ISSUE A WARNING WHEN THE VS-SIZE SPECIFIED IS SMALLER THAN THE SIZE NEEDED BY THE PROGRAM. IT TAKES THE SIZE SPECIFIED IN THE PROGRAM.

Fix information:
This is discussed on page 5-11 in the manual. "If the EMA size specified in the relocatable records is greater than the VMA size, then the VMA size will be set to the EMA size."
New text: "Note that LOADR does not issue a warning when this occurs."

KPR #: 2200054254 Product: RTE-6/VM 92084A 21.21

Keywords: VMA DM VIOLATION

One-line description:
VMAIO DM'S WHEN CALLED FROM A NON-EMA PROGRAM

Problem:
VMAIO GENERATES A DYNAMIC MAPPING ERROR WHEN CALLED FROM A NON-EMA PROGRAM.

Cause:
VMAIO SHOULD ABORT THE PROGRAM WITH A EM81 OR VM81 ERROR.

Fix information:
To be fixed on A.85.

KPR #: 2200054262 Product: RTE-6/VM 92084A 21.21

Keywords: SXREF

One-line description:
ERRONEOUS ERROR MESSAGE FROM SXREF

Problem:
SXREF REPORTED A DUPLICATE ENTRY POINT IN NODE 0 AND 12.
IN FACT, THE ENTRY POINT WAS DUPLICATED IN NODES 12 AND 13
BUT NOT IN NODE 0.

Temporary solution:
IGNORE ERROR MESSAGE.

Fix information:
To be fixed on A.85.

KPR #: 2200054270 Product: RTE-6/VM 92084A 21.21

Keywords: RT6GN

One-line description:
SYSTEM DISC ON SUBCHANNEL > 32 WILL NOT BOOT UP

Problem:
A SYSTEM GENERATED WITH THE SYSTEM DISC ON A SUBCHANNEL > 32
WILL NOT BOOT UP.

Temporary solution:
REGEN THE SYSTEM WITH THE SUBCHANNEL < 32.

KPR #: 2200054288 Product: RTE-6/VM 92084A 21.21

Keywords: SXREF

One-line description:
SXREF DOES NOT REPORT AN OFFPATH REFERENCE

Problem:
SXREF DID NOT REPORT AN OFFPATH REFERENCE WHICH OCCURED
FROM AN END NODE IN THE TREE.

Fix information:
To be fixed on A.85.

KPR #: 2200054387 Product: RTE-6/VM 92084A 21.21

Keywords: SCOM EOF

One-line description:
SCOM DOES NOT WRITE AN EOF TO THE LIST DEVICE

Problem:
IF MAG TAPE OR CASSETTE IS USED AS LIST DEVICE, SCOM
DOES NOT PUT AN EOF TO MAG TAPE OR CASSETTE.

Temporary solution:
WRITE THE "EOF" YOURSELF (:CN,LU,EO).

Signed off 01/06/84 in release 23.01

KPR #: 2200054429 Product: RTE-6/VM 92084A 21.21

Keywords: FMGR

One-line description:
FMGR REPORTS WRONG START TRACK

Problem:
IF LU2 IS INITIALIZED AFTER SWITCH (FMGR 0002) AND AN
ILLEGAL START TRACK IS SPECIFIED IN THE IN COMMAND, THE
WRONG LEGAL START TRACK IS DISPLAYED IN THE ERROR MESSAGE.

KPR #: 2200054460 Product: RTE-6/VM 92084A 21.21

Keywords: FORMC

One-line description:
FORMC DOES NOT RECOGNIZE BAD TRACKS

Problem:
A VERIFY OF A CS80 DISC IS PERFORMED AND BAD TRACKS ARE
FOUND USING FORMC. DISC SEEMS TO BE OK, BUT FORMC VERIFY
SAYS IT IS NOT.

Cause:
THE INFORMATION ON THE TRACK WHEN READ IS GETTING
RETURNED GARBAGED TO FORMC, SO FORMC THINKS THE TRACK IS
DEFECTIVE.

Fix information:
Will be done on A.85 PCO.

KPR #: 2200054510 Product: RTE-6/VM 92084A 21.21

Keywords: DRREL DRRPL

One-line description:
DRREL/DRRPL DO NOT ACCEPT LOWER CASE COMMANDS

Problem:
NEITHER OF THE UTILITIES DRREL AND DRRPL ACCEPTS LOWER
CASE. ALSO, DRRPL EXPECTS THE ANSWER TO THE QUESTION
"SELECT CODE?" TO BE GIVEN IN BASE 10 (THIS IS CONFUSING
SINCE SELECT CODES ARE NORMALLY HANDLED IN OCTAL).

KPR #: 2200054676 Product: RTE-6/VM 92084A 22.08

Keywords: SWTCH

One-line description:
SWTCH DOES NOT ACCEPT ABORT COMMAND

Problem:
WHEN SWTCH PUTS OUT THE MESSAGE "NOW IS THE TIME TO INSERT CORRECT CARTRIDGE...", TYPING "!!" WILL NOT ABORT THE PROGRAM AS THE DOCUMENTATION SAYS. NOR WILL ENTERING "EX", "EN", "/A", "/E", OR "AB".

KPR #: 2200054684 Product: RTE-6/VM 92084A 21.21

Keywords: DBUGR

One-line description:
DBUGR DOES NOT RECOGNIZE BREAK POINTS IN A DISC NODE MLS PROGRAM

Problem:
WHEN ATTEMPTING TO SET BREAK POINTS IN A DISC NODE MLS PROGRAM, DBUGR IGNORES THEM. IT ALSO IGNORES ANY NODE OR PATH BREAKS.
IT DOES WORK WITH TYPE 5 SEGMENTS AND IF ALL NODES ARE MEMORY NODES.

KPR #: 2200054700 Product: RTE-6/VM 92084A 22.12

Keywords: PRSTR

One-line description:
PRSTR CANNOT RESTORE ON-LINE LU 2 OR 3

Problem:
AN ATTEMPT TO DO A "PB" RESTORE OF LU#2 OR 3 RESULTS IN THE TERMINATION OF PRSTR AND THE ERROR "MANDL 23".

Temporary solution:
USE THE OFF-LINE RESTORE UNDER !BCKOF.

KPR #: 2200055129 Product: RTE-6/VM 92084A 21.21

Keywords: MLLDR

One-line description:
MLLDR GENERATES INCORRECT MSEG SIZE OF MERGED FILE

Problem:
MLLDR GENERATES INCORRECT MSEG SIZE IF FILE IS IN MERGED FORMAT BUT GENERATES CORRECT MSEG IF IN INDEXED FILE.

Signed off 07/05/84 in release 23.40

KPR #: 2200055202 Product: RTE-6/VM 92084A 22.08

Keywords: UNDOCUMENTED ERRORS D.RTR EMA

One-line description:
UNDOCUMENTED 'SC' ERROR BY SHARED EMA

Problem:
AN UNDOCUMENTED 'SC' ERROR OCCURS, IF ALL OF THE FOLLOWING

CONDITIONS ARE MET:
- A SHAREABLE EMA PROGRAM DOES A FILE OPEN AND
- D.RTR IS LOADED AS A REAL TIME PROGRAM AND
- D.RTR CAN NOT RUN IN ONE OF THE RT PARTITIONS AND IT IS FORCED TO RUN IN A BG PARTITION.

Temporary solution:
DO NOT COMBINE ALL OF THE ABOVE.

KPR #: 2200055400 Product: RTE-6/VM 92084A 21.21

Keywords: SWTCH

One-line description:
SWTCH GIVES INCORRECT ERROR MESSAGE

Problem:
WHEN RUNNING SWITCH ON A CS-80 DISC, SWITCH DOES NOT ALLOW AUTO BOOT EVEN IF THE O/S IS THE SAME. THE NUMBER OF O/S TRACKS ARE ALSO THE SAME ON THE TARGET SYSTEM, BUT SWITCH DOES NOT ALLOW AUTO BOOT.

KPR #: 2200055459 Product: RTE-6/VM 92084A 22.08

Keywords: FMGR

One-line description:
MANAGER.SYS CANNOT CHANGE DIRECTORY TRACKS IF CRN STAYS THE SAME

Problem:
WHEN LOGGED ON AS MANAGER.SYS AND TRYING TO ADD A DIRECTORY TRACK TO A GROUP CARTRIDGE, A FMGR 012 OCCURS. THIS ERROR IS GIVEN UNLESS THE CRN IS BEING CHANGED.

Cause:
ONLY A MEMBER OF THE GROUP WITH CAPABILITY OF 63 CAN MAKE THE CHANGE.

Temporary solution:
WORKAROUND IS TO CREATE A GROUP MANAGER ACCOUNT FOR THE GROUP AND LOG ON TO THAT ACCOUNT TO DO THE CHANGES.

Fix information:
Fixed in C.83.
Because Manager.Sys can modify any cartridge, FMGR checks the entire cartridge list to see if the new CRN specified in the IN command already exists anywhere on the system. If the old and new CRN's in the IN command are the same, FMGR will now not give the duplicate error. If the -LU is given instead of the old CRN, FMGR still scans the cartridge list to find a duplicate CRN. When it finds a matching CRN, if the LU is the same as that given in the IN command, FMGR will now not give a duplicate label error. This means that if there really is a duplicate CRN existing higher in the cartridge list, FMGR will catch that and issue an error.

Signed off 04/10/84 in release C23.40

KPR #: 2200055467 Product: RTE-6/VM 92084A 22.08

Keywords: CMD DVR07

One-line description:
CMD PROGRAM OUTPUT TO DVR07 TYPE TERMINAL FAILS

Problem:
WHEN RUNNING CMD ON A DVR07 DATALINK TERMINAL, THE CURSOR WILL HOME BEFORE EACH DISPLAYED PARAGRAPH, SO THAT PREVIOUS PARAGRAPHS ARE OVERWRITTEN.

Cause:
THE CMD UTILITY OUTPUTS ITS TEXT IN TRANSPARENT MODE. THIS IS DONE BY SETTING BIT 10 IN THE CONTROL WORD FOR THE EXEC WRITE. DVR07 EXPECTS BIT 6 OF THE CONTROL WORD TO ENABLE TRANSPARENT MODE; BIT 10 CAUSES DVR07 TO HOME CURSOR BEFORE EACH TEXT BLOCK.

KPR #: 2200055475 Product: RTE-6/VM 92084A 21.21

Keywords: COMPL FTN4X FTN7X

One-line description:
COMPL WILL NOT SCHEDULE FTN7X IF BOTH FTN4X AND FTN7X ARE IN THE SYSTEM

Problem:
WHEN BOTH FTN4X AND FTN7X ARE PRESENT IN THE SYSTEM, ONLY FTN4X WILL BE SCHEDULED. THE EXCEPTION IS WHEN FTN7X IS IN THE PROGRAM CONTROL STATEMENT, OR PASSED IN THE RUN STRING. SPECIFICALLY, THE FTN4X, FTN66, AND FTN77 CONTROL STATEMENTS WILL CAUSE FTN4X TO BE EXECUTED.

KPR #: 2200055541 Product: RTE-6/VM 92084A 21.21

Keywords: PSAVE

One-line description:
SPECIFYING DESC LU IN RUN STRING ON MU SAVE GIVES ERRORS

Problem:
WHEN RUNNING PSAVE WITH A MU OPTION, PSAVE WILL ACCEPT ONLY ONE LU ON THE ENTER DISC LU(S) PROMPT. IF A VALID DISC LU IS GIVEN IN THE RUN STRING, THEN ONLY ONE LU CAN BE ENTERED. IN ANY CASE, PSAVE TERMINATES IN ERROR. IF THE DISC LU IS DEFAULTED, PSAVE WORKS OK.

Temporary solution:
AS A WORKAROUND, DEFAULT THE DISC LU.
TO BE FIXED IN REVISION 2226.

KPR #: 2200055558 Product: RTE-6/VM 92084A 22.26

Keywords: CRASH

One-line description:
SETAT WILL CRASH SYSTEM

Problem:
IF SETAT IS LOADED ABOVE 76000B IT WILL CRASH THE SYSTEM.

Cause:
SETAT MANAGES THE LAST TWO PAGES OF THE USER MAP. IF SETAT IS RUNNING IN ONE OF THESE PAGES, IT MAPS ITSELF OUT OF EXISTANCE. SINCE THE PROGRAM IS PRIVILEDGED, THE SYSTEM CANNOT RECOVER.

Signed off 01/06/84 in release 23.01

KPR #: 2200055566 Product: RTE-6/VM 92084A 22.13

Keywords: CLOAD FTN4X

One-line description:
CLOAD WILL NOT SCHEDULE FTN4X IF FTN4X IS IN THE SYSTEM

Problem:
UNLESS FTN CONTROL STATEMENT OR RUN STRING SPECIFIES FTN7X, FTN4X WILL ALWAYS BE SCHEDULED, IF PRESENT, DUE TO THE COMPARISON ALGORITHM (SEE SSB # 5547 ALSO).

Fix information:
This bug will be fixed on A.85.

KPR #: 2200055632 Product: RTE-6/VM 92084A 21.21

Keywords: PSAVE

One-line description:
PSAVE DOES NOT COMPLETE IF PBVE OPTION SPECIFIED

Problem:
A PSAVE WITH "PBVE" OPTION DOES NOT COMPLETE.
DSD RECOMMENDS USING LU BACKUPS FOR MORE FLEXIBILITY.

KPR #: 2200055749 Product: RTE-6/VM 92084A 21.21

Keywords: LOADR

One-line description:
LOADR DOES NOT GIVE CORRECT MSEG WHEN SUBROUTINE IS IN A LIBRARY

Problem:
LOADR NEVER ALLOWS A PROGRAM TO HAVE AN MSEG GREATER THAN TWO PAGES, EVEN THOUGH IT MAY DECLARE IT WITH AN MMAP CALL, IF THE SUBROUTINE THAT CALLS MMAP IS PULLED OUT OF A LIBRARY BY LOADR.

Cause:
IF A SUBROUTINE MAKES AN MMAP CALL TO DECLARE MSEG SIZE, AND THE LOADR GETS THE ROUTINE OUT OF A LIBRARY VIA AN 'LI' COMMAND, THE LOADR WILL IGNORE THE MSEG REQUEST AND GIVE THE PROGRAM TWO PAGES OF MSEG. IF THE SUB-ROUTINE IS EXPLICITLY RELOCATED, LOADR WILL GENERATE THE CORRECT MSEG.

KPR #: 2200055848 Product: RTE-6/VM 92084A 22.01

Keywords: TIMEOUT HP-IB

One-line description:
IBERR RETURNS 0 ON ACCESS TO NON EXISTANT OR TIMED OUT DEVICE

Problem:
ON A DEVICE TIME OUT OR ACCESS TO A NON-EXISTENT DEVICE, IBERR RETURNS A "0" INSTEAD OF A "1" PREVENTING PROGRAMMATIC ERROR HANDLING. PROBLEM DOES NOT EXIST IN RTE-IVB.

Fix information:
To be fixed on A.85.

KPR #: 2200055863 Product: RTE-6/VM 92084A 21.21

Keywords: FC

One-line description:
FCOPY ALWAYS GOES TO END OF SAVED DATA ON TAPE

Problem:
FC ALWAYS GOES TO THE END OF THE DATA SAVED ON THE TAPE EVEN IF THE FILE REQUIRED WAS AT THE BEGINNING AND WAS SAFELY RESTORED. THIS CAN ADD A CONSIDERABLE DELAY TO THE USER AND SEEMS UNNECESSARY.

Fix information:
A fix for this problem is planned for C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200056036 Product: RTE-6/VM 92084A 21.21

Keywords: FC

One-line description:
FC WILL NOT GROUP COPY MORE THAN 102 FILES

Problem:
IF MORE THAN 102 CO COMMANDS ARE PLACED INTO ONE GROUP, FC WILL GIVE A FMGR-012 ERROR AND A 'FATAL SCRATCH FILE ERROR' ON THE 103'RD CO COMMAND.

Fix information:
This was fixed on REV.2226.

Signed off 10/03/83 in release 22.26

KPR #: 2200056051 Product: RTE-6/VM 92084A 22.01

Keywords: HP-IB

One-line description:
IBERR INCORRECTLY CHECKS THE EQT EXTENSION AREA IN RTE-6/VM

Problem:
THE HPIB ERROR ROUTINE IBERR RETURNS AN ERROR CODE OF 0 (NO ERROR) EVEN THOUGH THERE'S AN ERROR, OR 6 (EQT EXTENSION AREA IS FULL).

Cause:
THE SUBROUTINE IN $IB6A THAT CHECKS THE EQT EXTENSION AREA FOR PROPER ENTRY INCORRECTLY PICKS OFF THE SUBCHANNEL NUMBER FROM THE DEVICE REFERENCE TABLE ENTRY.

Temporary solution:
MODIFY LINE 1070 OF THE SOURCE FILE &IB6A2 (HP PART NUBER 92084-18594) AS FOLLOWS.
WAS: ALF,RAL
CHANGE TO: ALF,ALF

Fix information:
To be fixed on A.85.

KPR #: 2200056069 Product: RTE-6/VM 92084A 22.01

Keywords: DVR37 HP-IB

One-line description:
UNEXPECTED SRQ CAUSES DVR37 TO HANG UP THE SYSTEM

Problem:
IF AN SRQ COMES IN FOR AN HPIB DEVICE THAT HAS NOT BEEN IDENTIFIED TO THE HPIB DRIVER, THE DRIVER WILL HANG UP THE ENTIRE OPERATING SYSTEM BY PERFORMING WHAT AMOUNTS TO AN INFINITE LOOP IN THE DRIVER. THIS IS TRUE FOR BOTH RTE-4B AND RTE-6/VM.

Temporary solution:
ATTACH A SERVICE PROGRAM TO EVERY HPIB DEVICE THAT IS CAPABLE OF PULLING SRQ.

Fix information:
Will be fixed at A.85.

KPR #: 2200056341 Product: RTE-6/VM 92084A 21.40

Keywords: FORMC

One-line description:
INCORRECT VERIFY ERROR ON CTD TAPE

Problem:
WHEN VERIFYING A CTD TAPE WITH FORMC, IF THE TAPE HAS AN END OF FILE MARK ON IT, A VERIFY ERROR OCCURS.

Fix information:
FIXED IN REVISION C.82.

Signed off 07/05/84 in release 22.40

KPR #: 2200056416 Product: RTE-6/VM 92084A 21.21

Keywords: FC

One-line description:
FC WILL NOT HANDLE 9885 DISC

Problem:
WHEN FCOPY IS ATTEMPTING TO USE A 9885 FLOPPY, IT REPORTS AN ASSORTMENT OF TRACK ERRORS, FMGR-001 ERRORS, AND FAILS COMPLETELY.

Fix information:
Fixed on REV.2301.

Signed off 10/03/83 in release 23.01

KPR #: 2200056481 Product: RTE-6/VM 92084A 21.21

Keywords: GETST

One-line description:
GETST PUTS NULL CHARACTER ON STRING

Problem:
USING GETST TO RETRIEVE A FILE NAME FROM THE RUN STRING DOES NOT ALWAYS WORK. THE PROGRAM CALLS GETST AS FOLLOWS:
CALL GETST (IFILE, -6, ILOG)
WHERE IFILE IS DIMENSIONED TO 3 WORDS AND IFILE IS INTEGER. IFILE IS INITIALIZED TO BLANKS IN A DATA STATEMENT. THE FILE NAME (IFILE) IS PICKED UP CORRECTLY BY GETST IF IT HAS AN ODD NUMBER OF CHARACTERS (ILOG EQUALS 1, 3, OR 5), BUT IF IFILE HAS AN EVEN NUMBER OF CHARACTERS, IT IS NOT. THIS WORKS THE SAME, WHETHER THE PROGRAM IS COMPILED WITH FTN7X OR FTN4X.

Fix information:
To be fixed on A.85.

KPR #: 2200056499 Product: RTE-6/VM 92084A 22.26

Keywords: D.RTR

One-line description:
D.RTR WILL NOT REMOUNT LU 2 TO NON-SESSION IN DATASHARE/1000

Problem:
IN A NON-SESSION ENVIRONMENT WITH LU 2 MOUNTED TO

MANAGER.SYS, THE COMMAND DC,-2,RR WILL RETURN WITH A FMGR-034 ERROR. ANY ATTEMPTS TO MOUNT LU 2 TO NON-SESSION WILL RETURN WITH A -34 ERROR.
D.RTR DOES NOT REMOVE THE MOUNT BIT WHEN LU 2 IS DISMOUNTED FROM MANAGER.SYS. THEREFORE, WHEN A USER ATTEMPTS TO MOUNT LU 2 TO NON-SESSION, D.RTR RETURNS A -34 ERROR: DISC ALREADY MOUNTED. THIS IMPACTS DATASHARE/1000.

Signed off 01/06/84 in release 23.01

KPR #: 2200056531 Product: RTE-6/VM 92084A 21.21

Keywords: VMA TYPE 1 FILE VWRIT

One-line description:
VWRIT PROBLEM WRITING LARGE ARRAY TO TYPE 1 FILE

Problem:
VWRIT DOES NOT HANDLE WRITING LARGE ARRAYS TO A TYPE 1 FILE. IF NO STARTING RECORD IS SPECIFIED THEN THE COMPLETE ARRAY IS WRITTEN TO THE FILE STARTING AT THE CURRENT RECORD. IF A STARTING RECORD IS SPECIFIED THEN ONLY PART OF THE ARRAY IS WRITTEN STARTING AT THE CORRECT RECORD.

Cause:
VWRIT CALLS WRITF A NUMBER OF TIMES TO WRITE THE ARRAY IN MSEG CHUNKS. WRITF IS PASSED THE START PARAMETER EACH TIME IT IS CALLED. WHEN NO START RECORD IS PASSED, A ZERO IS PASSED TO WRITF, THE START POSITION IS TAKEN FROM THE DCB, AND ALL IS OK. IF A POSITION IS GIVEN, THEN WRITF IS PASSED AN ABSOLUTE POSITION EACH TIME, AND EVERY WRITF TO THE FILE IS OVERWRITTEN SUBSEQUENTLY.

Temporary solution:
USE AN APOSN CALL TO POSITION THE FILE, AND THEN DO A VWRIT WITH NO STARTING RECORD SPECIFIED.

Signed off 07/05/84 in release 23.40

KPR #: 2200056564 Product: RTE-6/VM 92084A 22.08

Keywords: VMA DM VIOLATION VWRIT

One-line description:
'0' DEFOULT FOR RECORD LENGTH CAUSES DM VIOLATION IN VWRIT

Problem:
FOR A TYPE 2 FILE, THE DATA LENGTH REQUESTED PARAMETER (IDL OR IL) IS SUPPOSED TO BE IGNORED. IN FACT, A LENGTH OF 0 CAUSES A DM VIOLATION. A LENGTH FROM 0 TO THE ACTUAL LENGTH CAUSES INCONSISTANT RESULTS.

Temporary solution:
USE THE ACTUAL RECORD LENGTH IN ALL TYPE

KPR #: 2200056648 Product: RTE-6/VM 92084A 21.21

Keywords: RT6GN

One-line description:
CS/80 BOOTEX PROBLEM IF SYSTEM > 76000B

Problem:
A PROBLEM HAS BEEN FOUND IN THE GENERATOR FOR RTE-6/VM WHEN THE SYSTEM DISC WILL BE ON A CS/80 DRIVE. THE BOOT EXTENSION IS 256 WORDS AS WITH ICD DISCS, HOWEVER THE GENERATOR BUILDS BOOTEX TO BE LOADED AT 76011B RATHER THAN 77400B. THE LOADER ROM BRINGS THE BOOTEX INTO LOW MEMORY WHICH MOVES ITSELF INTO (NOT HIGH ENOUGH) HIGH MEMORY. THIS BRINGS IN THE FIRST PART OF THE SYSTEM AND THE CONFIGURATOR EXTENSION BRINGS IN THE REST. BECAUSE OF THE ERROR OF THE PLACEMENT AT 76011B, NOT ALL OF THE SYSTEM IS BROUGHT IN. THIS CAN RESULT IN VARYING SYMPTOMS DEPENDING ON HOW MUCH OVER 76000B YOU HAVE FOR SYSTEM SIZE. SYSTEMS HAVE BEEN SEEN TO EITHER NOT BOOT AT ALL OR NOT SLOW BOOT WITH RECONFIGURATION.

Temporary solution:
INSURE THAT THE SYSTEM SIZE IS BELOW 76000B. THIS CAN BE DONE BY REMOVING SYSTEM COMMON FOR EXAMPLE.

Fix information:
TO BE FIXED IN REVISION C.83

KPR #: 2200056697 Product: RTE-6/VM 92084A 21.21

Keywords: PRSTR

One-line description:
SELECTIVE RESTORES OF > 1 DISC FILE FAILS WITH PRSTR

Problem:
IN ATTEMPTING TO DO SELECTIVE RESTORES OF MORE THAN ONE DISC CRN, AFTER THE RESTORES WERE DONE AND CRN'S RE-MOUNTED, THERE WAS NOTHING ON THE CARTRIDGES. DOING A DL YIELDED NO FILES.

KPR #: 2200056705 Product: RTE-6/VM 92084A 21.21

Keywords: PRSTR

One-line description:
CRN CANNOT BE RESTORED AGAIN AFTER RESTORE

Problem:
AFTER A CRN WAS RESTORED, IT WAS IMPOSSIBLE TO RESTORE IT AGAIN FROM CTD. PRSTR ABORTED WITH A "LUXX IS MOUNTED" ERROR AND AN ERROR 23. ATTEMPTING TO DISMOUNT THAT LU RESULTED IN A FMGR 54 ERROR. DOING A CLAL SHOWED THE LU AS BEING MOUNTED.

KPR #: 2200056804 Product: RTE-6/VM 92084A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
RTE-6/VM UTILITIES MANUAL EXAMPLE ON PAGE 6-16 INCORRECT

Problem:
RTE-6/VM UTILITIES MANUAL, UPDATE 2, PAGE 6-16 SHOULD READ: SAVING DISC LU 61 TO FILE 2 TAPE 1.

Fix information:
WAS FIXED IN REVISION B.83. kj

KPR #: 2200056846 Product: RTE-6/VM 92084A 22.26

Keywords: !BCKOF

One-line description:
!BCKOF REPORTS ILLEGAL SUBCHANNEL

Problem:
WHEN DOING A SELECTIVE RESTORE FROM !BCKOF (OPTION SETA), ENTERING A NEGATIVE VALUE AS A SUBCHANNEL FOR THE 'FILE: SUBCHANNEL' PROMPT RESULTS IN THE ERROR 'ILLEGAL SUBCHANNEL' THE MANUAL STATES THAT WHEN THE SUBCHANNEL DEFINITIONS COME FROM THE TAPE, THAT THIS PARAMETER CAN BE ANYTHING AND IS IGNORED. THIS IS NOT THE CASE.

KPR #: 2200056861 Product: RTE-6/VM 92084A 22.26

Keywords: !BCKOF

One-line description:
HARDCOPY LU CANNOT BE A CTU

Problem:
FROM AN OFFLINE RESTORE OF A LINUS TAPE TO A CS80 DISC, IF THE HARD COPY DEVICE IS SPECIFIED AS A CTU, THEN THE RESTORE WILL NOT COMPLETE. NO ERRORS ARE REPORTED.

Fix information:
To be fixed on A.85.

KPR #: 2200056879 Product: RTE-6/VM 92084A 22.26

Keywords: PSAVE

One-line description:
PSAVE CANNOT DO MULTIPLE TAPE SAVE TO CTD

Problem:
WHEN DOING A MULTIPLE LU SAVE WHICH SPANS MORE THAN ONE CTD, PSAVE ABORTS WITH THE ERROR 'UNEXPECTED END OF TAPE!!' WHEN THE EOT IS ENCOUNTERED.

KPR #: 2200056895 Product: RTE-6/VM 92084A 22.26

Keywords: PSAVE

One-line description:
HARDCOPY LU NOT USED WITH PB SAVE

Problem:
WHEN PERFORMING A PB SAVE, PSAVE PROMPTS FOR A HARDCOPY LU, BUT NOTHING IS EVER LOGGED TO THIS LU. PSAVE SHOULD EITHER NOT PROMPT FOR A HARDCOPY LU, OR SHOULD LOG INFORMATION ABOUT THE SAVE TO THIS LU.

KPR #: 2200056911 Product: RTE-6/VM 92084A 22.26

Keywords: PRSTR

One-line description:
PRSTR CANNOR RESTORE A UNIT SAVE FROM CTD

Problem:
PRSTR ABORTS WITH A TAPE READ ERROR WHILE ATTEMPTING TO DO AN OFFLINE UNIT RESTORE FROM CTD.

KPR #: 2200056929 Product: RTE-6/VM 92084A 22.26

Keywords: PRSTR

One-line description:
/A DOES NOT TERMINATE PRSTR DURING OFFLINE PB RESTORE

Problem:
DURING AN OFFLINE RESTORE IN PB FORMAT, IF '/A' IS ENTERED FOR THE SUBCHANNEL DEFINITION PROMPT, PRSTR ACCEPTS THIS AND CONTINUES WITH THE RESTORE. NO ERRORS ARE REPORTED.

KPR #: 2200056945 Product: RTE-6/VM 92084A 21.21

Keywords: PSAVE

One-line description:
CANNOT ENTER MORE THAN 1 LINE OF LUS WITH PSAVE

Problem:
IF A USER INTERACTIVELY USES PSAVE, IT IS LEGAL TO ENTER MORE THAN ONE LINE OF LUS WHEN THE ME OPTION IS SPECIFIED. HOWEVER, AFTER THE SECOND LINE OF LUS IS ENTERED, THE FIRST LINE IS LOST. THUS ONLY THE LUS ON THE SECOND LINE ARE SAVED. ALSO, TWO LINES OF LUS CANNOT BE PUT IN A COMMAND FILE.

Fix information:
TO BE FIXED IN REVISION B.83.

KPR #: 2200057026 Product: RTE-6/VM 92084A 21.21

Keywords: CRASH CLASS I/O

One-line description:
SYSTEM MAY CRASH WHEN CLRQ USED TO FLUSH A CLASS REQUEST

Problem:
CALL CLRQ (3, ICLASS, LU) MAY CAUSE THE SYSTEM TO HANG WITH INTERRUPTS DISABLED AND THE P-REG WITHIN THE DRIVER PARTITIION. THE CONDITIONS THAT CAUSE THIS PROBLEM ARE AS FOLLOWS.

(1) THE CLRQ CALL HAS TO BE FLUSHING AN ACTIVE REQUEST THAT IS THE ONLY REQUEST ON THAT DEVICE.
(2) THE SAM BUFFER THAT CONTAINS THE REQUEST MUST NOT BE ADJACENT TO A FREE SAM BUFFER SO THAT WHEN IT'S RELEASED IT WILL NOT BE CONCATENATED ONTO ANOTHER EXISTING BUFFER.
(3) THE ROUTINE FLPND (IN THE O.S.) WILL RELEASE THE SAM BUFFER AND THE O.S. WILL MAKE IT A FREE BUFFER BY PUTTING THE BUFFER LENGTH IN THE BUFFER'S FIRST WORD. FLPND THEN ERRONEOUSLY USES THIS LENGTH AS THE HEAD OF A LINKED LIST AND STARTS FOLLOWING THE "LINKS". THESE NUMBERS COULD LEAD ANYWHERE, AND MOST OFTEN LEAD TO A WORD THAT CONTAINS ZERO, THUS TERMINATING THE SEARCH WITH NO PROBLEMS (EXCEPT FOR THE EXTRA OVERHEAD). IF, HOWEVER, ONE OF THE "LINKS" POINTS TO AN EARLIER "LINK", THUS FORMING A LOOP, FLPND WILL TRAVERSE THE LIST FOREVER AND TIE UP THE O.S.

Fix information:
Fixed at revision A.83.

Signed off 08/23/83 in release 23.01

KPR #: 2200057034 Product: RTE-6/VM 92084A 21.21

Keywords: SCOM EOF

One-line description:
SCOM DOES NOT WRITE EOF TO THE LIST DEVICE

Problem:
IF A MAGTAPE OR CASSETTE IS USED AS THE LIST DEVICE, SCOM DOES NOT PUT AN EOF MARK TO THE DEVICE WHEN COMPLETED.

Signed off 01/06/84 in release 23.01

KPR #: 2200057141 Product: RTE-6/VM 92084A 21.21

Keywords: LOADR MLLDR RT6GN

One-line description:
LOADR/MLLDR DESTROY ID SEGMENT EXTENSIONS

Problem:
IF 63 SHARED EMA PROGRAMS ARE ACTIVE AT ONE TIME, A 64TH PROGRAM LOADED IS ALLOWED. THIS PROGRAM USES THE ID EXT. OF THE FIRST EMA PROGRAM. THIS RESULTS IN A DM VIOLATION BY THE FIRST PROGRAM WHEN IT IS RUN.
TITLE:RTE-6 GENERATOR FAILS TO GIVE ERROR WHEN ASKING FOR 64 EXTENTS
MODULE: PART: OFFICE: PISCATAWAY
PROBLEM DESCRIPTION:
RTE-6 system can only support 64 ID extension extents!!! See word 29 of ID segment map, bit field is only 6 wide. The generator manual does not say this, further more, the generator will accept a number greater than 64 with no error. The generator only gives you 64 ID extents max.

Cause:
LOADR/MLLDR SHOULD ABORT WITH AN ERROR MESSAGE IF NO ID EXT IS FOUND.
THE REAL PROBLEM IS IN THE GENERATOR WHICH ALLOWS MORE THAN 64 EXTS. ONCE THIS IS DONE THE LOADER WILL KNOW WHAT TO DO.
FROM THE GENERATOR POINT OF VIEW, WE NEED ONLY RESTRICT THE NUMBER OF EXTENTIONS TO 64. THE REAL PROBLEM, I.E. LACK OF ENOUGHT TO DO THE JOB MUST BE SOLVED ELSE WHERE.

KPR #: 2200057208 Product: RTE-6/VM 92084A 22.08

Keywords: PRSTR

One-line description:
PRSTR WILL NOT RESTORE 'SAVE' FORMAT TAPES

Problem:
ANY ATTEMPT TO RESTORE A SAVE FORMAT TAPE USING PRSTR YIELDS A 'RMAIN 41' ERROR. THIS ERROR TRANSLATES TO 'CALL YOUR LOCAL HP OFFICE.'

Fix information:
TO BE FIXED IN REVISION B.83.

KPR #: 2200057240 Product: RTE-6/VM 92084A 21.21

Keywords: PCOPY

One-line description:
PCOPY READ ERROR ON SOURCE LU

Problem:
THE PROBLEM OCCURS WHEN THE SOURCE DISK FORMAT SWITCH IS OFF AND THE DESTINATION DISK FORMAT SWITCH IS ON. THE PROBLEM DOESN'T OCCUR WHEN COPYING DISK AREAS THAT ARE ON THE SAME DISK. THE PROBLEM IS THAT THE STATUS FROM THE DISK IS INTERPRETED THE WRONG WAY.

Temporary solution:
THE WORKAROUND IS TO HAVE THE FORMAT SWITCH ON FOR BOTH DISKS.

KPR #: 2200057265 Product: RTE-6/VM 92084A 21.21

Keywords: SESSION MONITOR

One-line description:
ATACH CALL LUSES (TYPE 7) SO ATACH CANNOT BE MEMORY RESIDENT

Problem:
ANY MODULE WHICH CALLS ATACH CANNOT BE PLACED IN THE MEMORY RESIDENT AREA IN A SESSION SYSTEM BECAUSE ATACH CALLS LUSES WHICH IS A TYPE 7 MODULE AND A GEN ERR 15 RESULTS.

KPR #: 2200057307 Product: RTE-6/VM 92084A 21.21

Keywords: PSAVE EOF

One-line description:
PSAVE OMITS DOUBLE EOF FOR 7925 TAPES

Problem:
SOME RTE-6/VM REV 2208 PRIMARY SYSTEM TAPES DID NOT HAVE EOF MARKS AT THE END OF THE TAPES. THERE SHOULD HAVE BEEN TWO.

Temporary solution:
THIS PROBLEM SHOULD NOT AFFECT THE PRSTR OPERATION. THE MISSING EOF IS DUE TO A MISTAKE IN THE PCO DUPLICATION PROCESS. THE A.83 PCO TAPES WILL CONTAIN TWO EOF'S.

KPR #: 2200057505 Product: RTE-6/VM 92084A 23.01

Keywords: POWERFAIL DOCUMENTATION ERRORS

One-line description:
POWERFAIL RECOVERY CAN HANG WAITING ON A CS-80 DISC TIMEOUT

Problem:
THE RTE-6 SYSTEM MANAGER'S MANUAL DOES NOT SPECIFY THAT A TIMEOUT VALUE MUST BE SET AT GENERATION TIME FOR CS/80 DEVICES. THIS CAN CAUSE POWER FAIL RECOVERY TO HANG WAITING ON A CS/80 DISC.

Cause:
IF A POWER FAIL OCCURS ON A QUIET SYSTEM, AUTOR WILL HANG UP WAITING TO BE LOADED UNTIL THE DISC TIMES OUT. IF THERE IS NOT TIMEOUT SET (AS SHOWN ON PG. 4-82 OF THE SYSTEM MANAGER'S MANUAL) THE DISC WILL NOT RESPOND UNTIL AUTOR IS OF'ED OR THE DISC EQT IS DN'ED THEN UP'ED.

Temporary solution:
ASSIGN A TIMEOUT VALUE OF 9000 TICS (90 SECONDS) FOR SYSTEMS USING A CTD (TO HANDLE REWIND TIME). A TWO SECOND TIMEOUT SHOULD BE SUFFICIENT FOR NO CTD'S.

Fix information:
THIS IS CORRECT, IT WAS FIXED AT 2340. "DVM33 needs at least a 2 second time out value, 90 if using a CTD." page 4-80 kj

Signed off 07/05/84 in release 23.26

KPR #: 2200057612 Product: RTE-6/VM 92084A 22.26

Keywords: MERGE

One-line description:
MERGE GIVES ERRONEOUS CHECKSUM ERROR FOR MSEG RECORD

Problem:
At 2226 MERGE was enhanced to perform checksums on type 5 and type 7 files. The checksum is calculated incorrectly for MSEG records and consequently a 'MERGE 007' error message is given and MERGE aborts if an MSEG record is encountered.

Signed off 01/06/84 in release 23.01

KPR #: 2200057687 Product: RTE-6/VM 92084A

Keywords: FMGR TYPE 2 FILE

One-line description:
WRITF writes -1 into user code on -14 or -33 errors on type 1 or 2 files

Problem:
Created a type 2 file on a cartridge about to run out of directory tracks, then ran a program to do WRITF's to the file until FMP error -14 occurred. Before the error, the variable which follows the DCB in memory gets changed to a -1 upon the WRITF which gets the error (tried with a type 3 & a type 1 file and the problem did not occur with these)

Cause:
On a type 3 or above file, when a -33 or -14 error is reached, WRITF puts a -1 at the beginning of the record it is trying to write to force an EOF at the spot the error occurred. Unfortunately, WRITF also does this for type 1 and 2 files. For type 1 files, a -1 will always be put into the word right after the DCB (DCB(17)). This causes no problem if the caller defined his DCB with, say, 144 words. But if the DCB was defined with only 16 words (which is legal), the word after the DCB will get set to -1. On type 2 files, a -1 will get put after the DCB only if the last record written fits right up to the last word of the DCB, for instance if the record length is 32 or 64 or some other even divisor of 128. Otherwise, the -1 gets put somewhere in the middle of the DCB.

Fix information:
Fixed in A.85.
WRITF now doesn't try to write the -1 on type 1 or 2 files.

KPR #: 2200057844 Product: RTE-6/VM 92084A 21.21

Keywords: FC FMP ERRORS

One-line description:
FC sometimes reports invalid FMGR-103 errors

Problem:
FC sometimes terminates with a -103 error. This can happen if it doesn't lock the cartridge when it scans the directory (user didn't specify the 'lock' mode). Before scanning the directory, it calls a routine (CRSTS) to determine if the directory is corrupt. If other programs are doing file creates and purges on the same cartridge at the time the directory is being examined, CRSTS may get conflicting information which will make it think the directory is corrupt.

Cause:
This is a problem with the FMP routine CRSTS, not with FC.

CRSTS (or some routine it calls) attempts to check the validity of the sequence of directory entries on a cartridge. This includes various kinds of checks (e.g. each data entry does not start at a track/sector before the previous data entry ends.)
CRSTS reads directories incrementally & sometimes those directories are concurrently updated, causing CRSTS to get confused. Therefore, CRSTS may not accurately reflect the directory entries at an instant in time. Consequently, CRSTS gets different instants in time for different parts of the directory, so that inconsistences may result, which CRSTS interprets as a corrupt directory (error -103).

Fix information:
Fixed in A.85.
It is nearly impossible to keep CRSTS from being confused if files are being created and purged while it is trying to read the directory. However, a bug did exist which caused this situation to occur much more often than it should. A routine in CRSTS was doing the following:
1 - read the directory header to get the location of the last file
2 - read each directory entry checking for consistency
3 - read the last file entry and see if it's where the header said it should be
The problem is that there was a large window between reading the header and reading the last file entry. If any files were created (or purged) at the end of the directory inside that time window, the old header information would no longer be accurate.
The routine was corrected to re-read the header to make sure it has the latest information. This will greatly decrease the instances of -103 errors.

KPR #: 2200058008 Product: RTE-6/VM 92084A 21.21

Keywords: ABORT FMGR

One-line description:
FMGR ABORTS ON INCORRECT 'LO' COMMAND

Problem:
IF FMGR COMMAND "LO" IS USED WITH A FILE NAME INSTEAD OF AN LU NUMBER,

FMGR SOMETIMES ABORTS WITH AN I012. THE DOCUMENTATION STATES THAT "LO" CAN ONLY BE USED WITH AN INTERACTIVE LU, SO THE COMMAND IS WRONG, BUT FMGR SHOULD NOT ABORT, BUT RATHER GIVE A FMGR 056 ERROR.

Cause:
FMGR would accept any parameter to the LO command, set it up as an LU, and then try to talk to it. If the 'LU' was really some ascii characters, the lower bits would be stripped off, and some strange number would result. If that number was not in the user's SST, the next time FMGR tried to output to the log device, it would abort with an I012 error.

Fix information:
FIXED IN C.83.
Two checks are now made in LO..: if the parameter is ascii, an error 56 is issued; if the LU given is not in the SST, an error 43 is given.

Signed off 04/10/84 in release C23.40

KPR #: 2200058016 Product: RTE-6/VM 92084A 23.01

Keywords: SCOM

One-line description:
SCOM HELP INFORMATION INCOMPLETE

Problem:
WHEN GETTING THE HELP INFORMATION FROM SCOM, THE LINE THAT BEGINS WITH "BO PRINTS THE LINES COMMO TO BOTH FILES" IS MISSING THE WORDS "BOTH FILES". THE LINE TERMINATES AFTER THE "B" IN THE WORD BOTH.

Cause:
CORRECT MESSAGE IS IN THE MANUAL.

KPR #: 2200058099 Product: RTE-6/VM 92084A 21.21

Keywords: FMGR

One-line description:
FMGR INCONSISTENTLY PARSES CL TYPE COMMAND

Problem:
FMGR INTERPRETS 'CLA' AS A REQUEST TO DO A 'CL' COMMAND. IT SHOULD BE INTERPRETED AS AN IMPLIED RUN OF PROGRAM 'CLA'. THIS DOES NOT WORK AS DOCUMENTED.

Cause:
The check for this is done in FMGR where there is a table of 'extended' commands. Commands like TELL, ANNOTATE, CALCULATE (and CLALL) may be spelled out and FMGR will let it pass through. It checks that every character entered is part of the extended string, and the input may be shorter than the extended string and still pass. For example, the commands AN, ANN, ANNO, ANNOT, etc. all may be used for the AN command. This means that CL, CLA, CLAL, CLALL will all pass as the CL command.

Fix information:

Fixed in C.83.
To be consistent with the 'extended command' design in FMGR, 'CLA' should pass as a form of the 'CL' command. However, FMGR should see 'CLA' as an extended 'CL' and treat it the same as the 'CLAL' command. FMGR has been changed to do this.

Signed off 04/10/84 in release C23.40

KPR #: 2200058131 Product: RTE-6/VM 92084A 22.08

Keywords: FMGR

One-line description:
FMGR 'SV,4' DOES NOT SUPPRESS ERROR MESSAGE ON 'RN' OR 'ST'

Problem:
AS STATED IN THE TERMINAL USERS MANUAL, WITH A SEVERITY OF 4, NO FMGR ERRORS SHOULD BE DISPLAYED ON THE LOG DEVICE. THIS WORKS FINE WITH 'PU', BUT NOT WITH COMMANDS LIKE 'RN' OF A NON-EXISTANT FILE, OR 'ST' OF A NON-EXISTANT FILE WHICH GETS AN ERROR OF FMGR-006 DISPLAYED.

KPR #: 2200058206 Product: RTE-6/VM 92084A 22.26

Keywords: EMA

One-line description:
CANNOT ACCESS LAST PAGE OF SHARABLE EMA SPACE

Problem:
IF TWO PROGRAMS USE SHAREABLE EMA, ACCESSING THE LAST PAGE OF THE EMA SPACE MAY CAUSE ONE OF THE PROGRAMS TO ABORT WITH AN EM82 ERROR.

Fix information:
TO BE FIXED AT C.83.

KPR #: 2200058271 Product: RTE-6/VM 92084A 21.21

Keywords: DVA05

One-line description:
DVA05 DOES NOT CLEAR BUFFER CORRECTLY WHEN BACKSPACING

Problem:
WHEN BACKSPACING ON A TERMINAL, DVA05 ONLY CLEARS EVERY OTHER CHARACTER FROM THE BUFFER. THE CHARACTER COUNT IS CORRECT.

Cause:
YOU SHOULD USE THE CHARACTER COUNT TO DETERMINE HOW MANY DATA ARE IN THE BUFFER. THE DATA IN THE BUFFER ARE GOOD UP TO THE LENGTH RETURNED IN THE TRANSMISSION LOG.

KPR #: 2200058438 Product: RTE-6/VM 92084A 22.26

Keywords: CRASH VMA

One-line description:
VMAIO CRASHES THE SYSTEM IF USED WITH DRIVER IN SDA

Problem:
VMAIO CRASHES THE SYSTEM IF USED WITH DRIVER IN SDA

Temporary solution:
WORKAROUND: GENERATE TWO COPIES OF THE DRIVER (WITH DIFFERENT NAMES)
ONE IN SDA AND ONE IN A PARTITION.

Fix information:
To be fixed on A.85.

KPR #: 2200058446 Product: RTE-6/VM 92084A 21.21

Keywords: CMD

One-line description:
CMD DOES NOT CHANGE TRAILING MINUS SIGNS TO BLANKS

Problem:
ON PAGE 2-21 OF THE RTE-6 UTILITY PROGRAMS REFERENCE MANUAL (92084-90007 OF DEC 1981) IT SAYS THAT SIGINIFICANT TRAILING BLANKS IN THE KEY ENTERED VIA THE RUN-STRING CAN BE RE-PRESENTED BY THE MINUS SIGN; THIS DOESN'T WORK.

Cause:
this is a documentation error. CMD was changed just before release but the documentation was not changed. All keywords are effectively assumed to be followed by significant trailing blanks when doing comparisons. A minus sign cannot be used to represent a trailing blank.

KPR #: 5000001610 Product: RTE-6/VM 92084A 00.00

Keywords: RTE-6/VM

One-line description:
System manager ref. man. error

Fix information:
The System Manager's Manual was missing this information. At the next PCO 2501 chapter 4 will be changed to include information on blocks/track. "Blocks/Track -- Must be a decimal number in the range of 1 to 64 and not a multiple of 7. If a multiple of 7 is used the system will not access this subchannel properly. If this parameter is not entered, the generator will use the default value of 48 blocks/track." kj

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KPR #: 5000001917 Product: RTE-6/VM 92084A 00.00

Keywords: RTE-6/VM

One-line description:
System manager manual error

Problem:
Page 6-15 of the RTE-6 System Managers manual recommends sizing switch to 18 pages when it requires more than that.

Fix information:
This was fixed at C.83. See the loader command file #SWTCH for details. SWTCH must be loaded LB.

KPR #: 5000003459 Product: RTE-6/VM 92084A 00.00

One-line description:
ACCOUNT FILE DOCUMENTATION (SYS MGR'S MANUAL) IS INCORRECT

Fix information:
This is true the manual will be fixed at 2501. kj

KPR #: 5000003483 Product: RTE-6/VM 92084A 00.00

One-line description:
WHZAT REPORTS INCORRECT DOWNED PARTITION.

Problem:
WHZAT reports incorrect downed partition. WH,PA gave the following:

```
  .    .       .     .      .
  .    .       .     .      .
  .    .       .     .      .
 24   24   344-367  BG   IDA42
 25   24   368-391  BG   FMG51
 26   32   392-423  BG   IDA48
 26   32   392-423  BG   IDA48  (PARITY ERROR)   NOTE: partition 27 is
 28   32   456-487  BG   IIM10                   down due to hard par-
  .    .       .     .      .                    ity error. WHZAT says
  .    .       .     .      .                    partition 26.
  .    .       .     .      .
```

Cause:
This problem was caused by a logic error in WHZAT.

Fix information:
To be fixed at rev.2440 A.85.

KPR #: 5000003590 Product: RTE-6/VM 92084A 23.26

Keywords: PSAVE

One-line description:
PSAVE GIVES TRACK READ ERROR IF FORMAT DISABLED

Problem:
PSAVE issues track read errors for every disc track on the customer's MAC disc if the disc FORMAT switch is disabled (away from DOT).

Cause:
Problem is in subroutine STATS which is called by the RDISC disc read routine. RDISC takes the error code from STATS

(9 = FORMAT not enabled) and lumps it into a general purpose read error code.

Fix information:
This will be fixed for A.85 PCO.

KPR #: 5000004176 Product: RTE-6/VM 92084A 23.01

One-line description:
PRIVILEGED I/F CARD RECONFIGURATION "XX,0" DOESN'T WORK PROPERLY

Problem:
If you try to get rid of a privileged card by doing a SC#,0 in the IO reconfiguration. It gives you a config err #3, even though the select code in question is not old or new system console, TBG or system disk.

Fix information:
Plan to fix in A.85 pco.

KPR #: 5000004242 Product: RTE-6/VM 92084A 23.01

One-line description:
EXAMPLE OF A DUMMY DRIVER IS INCORRECT ON 6/VM UTILITY MANUAL

Fix information:
This was fixed at 2340 update. It needed a BSS 2045 however, to get the driver to fit in a two page driver partition. kj

---

KPR #: 5000004275 Product: RTE-6/VM 92084A 23.01

One-line description:
FILE NAME '$MPLIB' ON NETWORK MGR'S MANUAL IS INCORRECT

Fix information:
This is correct, the multipoint library should be changed in the Network Manager's Manual from REL,$MPLIB::2140 to REL,%MPLIB::2140. IND Technical Publications was notified at 7/19 and it will be fixed at the next PCO. KJ
Will be corrected as of A.85 PCO cycle.

KPR #: 5000004283 Product: RTE-6/VM 92084A 23.01

One-line description:
'SESSION MEMORY ALLOCATION ?' ANSWER IS INCORRECT ON SYSTEM MGR'S MANUAL

Fix information:
The manual was incorrect. I verified by running ACCTS. The manual will be fixed at 2501. kj 7/25/84

KPR #: 5000005132 Product: RTE-6/VM 92084A 23.01

Keywords: COMPL

One-line description:
COMPL PRINT OUT UNDOCUMENTED ERROR MESSAGE IF SPOOL LU IS FULL

Problem:
COMPL issues an undocumented error message if the spool cartridge is nearly full. COMPL looks at the spool cartridge before creating a file and if the next track for files is within 40 of the last track, COMPL issues the message:

```
SPOOL DISC GETTING FULL
CONTACT SYSTEM MANAGER
COMPILATION PROCEEDING NORMALLY
```

This error message is not documented anywhere except in the source code of COMPL. The cartridge might actually have extensive space left from purged files.

Fix information:
This is a documentation change. A better explanation of the message will be documented.

KPR #: 5000005165 Product: RTE-6/VM 92084A 00.00

Keywords: LIF

One-line description:
FMGR-005 ERROR IS REPORTED WHEN FILE CREATED BY LIF UTILITY

Problem:
CERTAIN FILES CANNOT BE TRANSLATED BY THE LIF UTILITIES. A FMGR -005 ERROR IS REPORTED WHEN THE FILES ARE READ BY THE FMGR AFTER THEY HAVE BEEN TRANSLATED BY THE LIF UTILITY.

Fix information:
To be fixed in A.85

KPR #: 5000005405 Product: RTE-6/VM 92084A 23.26

Keywords: DVR32

One-line description:
DVR32 CAN'T TELL THE DIFFERENCE BETWEEN SYSTEM CLEAR & UNLOCK REQUEST

Fix information:
Fixed at C.83

KPR #: 5000005595 Product: RTE-6/VM 92084A 00.00

Keywords: FMGR

One-line description:
Wrong DU,ST command makes system crush

KPR #: 5000005652 Product: RTE-6/VM 92084A 23.01

Keywords: LINK

One-line description:
SEGLD WITH PARAMETER PASS DOES NOT WORK LOADED WITH LINK (LOADR IS OK)

KPR #: 5000006262 Product: RTE-6/VM 92084A 23.26

Keywords: DVM00

One-line description:
DDV05 FAILES TO SET BIT 7 IN EQT STATUS WORD 5 ON TIME OUT

Fix information:
Fixed at C.83

KPR #: 5000006742 Product: RTE-6/VM 92084A 23.01

Keywords: LIBRARY

One-line description:
.ENTR EXAMPLE ON AN RTE-6 REL. LIBRARY MANUAL IS HARD TO UNDERSTAND

Fix information:
The RTE-6/VM Relocatable Library and the RTE-A Relocatable Library were merged into a combined Relocatable Libraries manual in December 1983. The revised text for the .ENTR routine now appears on page 5-55 and 5-56 of the Relocatable Libraries Manual (Part No. 92077-90037).

KPR #: 5000007120 Product: RTE-6/VM 92084A 23.01

Keywords: MLLDR

One-line description:
DEFAULT EMA SIZE INFORMATION ON MLLDR

Fix information:
MLLDR will issue the 'DEFAULT EMA' message after loading a program which requests 0 pages of EMA.
MACRO example:

```
   macro
         nam test
         ent test
   label ema 0,5
   test  nop
         end test
```

When test is loaded: DEFAULT EMA
5 PAGE MSEG

If the 0 is changed to 20 then: 20 PAGES EMA
5 PAGES MSEG
The manual will be made clearer at A.85. kj 7/30/84

KPR #: 5000008060 Product: RTE-6/VM 92084A 23.01

Keywords: SGMTR

One-line description:
SGMTR FAILS SEGMENTATION OF LARGE FTN PROGRAM WITH DIRECT FILE IO

Problem:
SGMTR errs when locating FORTRAN formatter modules in segments.

When a large program which uses FORTRAN I/O statements is submitted to SGMTR for auto segmentation, SGMTR sometimes incorrectly puts formatter modules in different segments. These modules are needed at the same segment level for correct I/O.

Fix information:
To be fixed in A.85.

KPR #: 5000008532 Product: RTE-6/VM 92084A 00.00

Keywords: DOCUMENTATION ERRORS

One-line description:
The track map example of CS/80 on SYSTEM MGR'S manual is incorrect

Fix information:
This SR is correct. The track map table was fixed at the 2340 update of the System Manager's Manual. It will be updated again at the 2501 PCO to reflect the planned changes to the sample cs/80 track map table that is shipped with RTE-6 (&$TM33). kj

---

KPR #: 5000008649 Product: RTE-6/VM 92084A 00.00

Keywords: DOCUMENTATION ERRORS

One-line description:
MD bit in ID-seg (SYSTEM MGR'S MANUAL pg B-8) does not exit

Fix information:
There is a manual error on page B-8 of this manual. Figure B-1 shows that the ninth bit of word 31 is used by DS. In the description of the figure it talks about an 'MD' bit 'Memory/Disc-resident node in control flag. This will be changed to 'DS = this bit is used by the distributed system software'. kj

---

KPR #: 5000008680 Product: RTE-6/VM 92084A 00.00

Keywords: PSAVE

One-line description:
PSAVE cannot save from a paired LU

Temporary solution:
Dismount the paired cartridge and remount one of the pairtridge halves. PSAVE can save from the pairtridge half. However, this can be a problem if the physical LU's have been defined as greater than 63. Another possibility is to copy the paired LU to an unpaired LU and do the PSAVE from the unpaired LU.

Fix information:
Fix date unknown.

KPR #: 5000010009 Product: RTE-6/VM 92084A 00.00

Keywords: SPOOLING

One-line description:
SPOOLING SYSTEM ALLOWS MULTIPLE USERS TO USE SAME OUTPUT SPOOL FILE

Problem:
The RTE-6/VM spooler allows multiple users to use the same spool file for outspooling at the same time. This causes somebody's output to be lost!
If a user-defined spool file is being used, a user at one terminal can enter a :SL,6,SPOOLF,,6 command and begin writing on LU 6. Meanwhile, another user at another terminal can enter the same command. When he begins writing to LU 6, he overwrites whatever the first user was doing. User 1 will be surprised when he gets his spooled output back.

Furthermore, when one of the users enters the :CS,6 command, SMP closes the file. The second user can still write to it. This would cause some interesting problems if someone purged the file and packed the disc!

It seems that when the second user tried to enter the :SL,6... command, he should have gotten an error message that told him that the file was already open.

Cause:
This is caused by SMP opening the file in each case. It is therefore blind to the fact that it is already open (to itself). Either SMP needs help from D.RTR or it must search its tables for another occurrence of the same file. In either case this is a real problem.

KPR #: 5000015529 Product: RTE-6/VM 92084A 00.00

Keywords: DOCUMENTATION ERRORS

One-line description:
SYSTEM MGR'S MANUAL doesn't say 'store' after set S-reg. in page 10-4

Fix information:
The system manager manual is incorrect. The contents of the S register must be stored after it is set for the configurator to work. This will be fixed at the A.85 PCO.

KPR #: 5000016352 Product: RTE-6/VM 92084A 00.00

Keywords: DVC12

One-line description:
DVC12 (2608S driver) lose control and goes down after paper jams

Problem:
THE CONFIGURATION IS HP 1000 F-SERIES / RTE-6/VM WITH A 2608S DRIVEN BY DVC12 AND A 12821A CARD. WHEN PAPER JAMS, OR ANY SIMILAR PROBLEM CAUSING THE PRINTER TO GO DOWN, ALL CARRIAGE CONTROL IS LOST AFTER THE PROBLEM IS RESOLVED AND THE PRINTER EQT IS "UPPED". REBOOTING IS THE ONLY WAY TO GET THINGS BACK

TO NORMAL. DVC12 APPEARS TO BE THE CULPRIT. THE CE0 FINDS NO HARDWARE ABNORMALITIES, AND THE PRINTER TSE (DAVE KARAS/CHICAGO) IN CONVERSATION WITH BOISE CLAIMS THAT THE DRIVER IS THE PROBLEM.

Fix information:
This will be fixed in the A.85 update.

KPR #: 5000016576 Product: RTE-6/VM 92084A 23.01

Keywords: FMGR

One-line description:
FMGR occasionally aborts with I012 error= specified LU is not in SST

Problem:
Intermittently, various FMGR commands may cause FMGR to abort with I012. The command actually gets executed; FMGR aborts sometime after the command. The abort error occurs with different commands, and with different command strings on the same command.

Cause:
The problem is as follows:
There is a temporary buffer in FMGR (0.BUF) which is used as a DCB if one is needed for an output file/LU. At the beginning of FMGR's command parsing, it unconditionally calls CLOSE on this buffer in case any files were opened using it. However, 0.BUF is also used by the command parser as a temporary location for the input command. If the 19th and 20th characters in the command line (word 10 in 0.BUF) are two ASCII characters whose integer equivalent is the same as the ID segment address of FMGR, 0.BUF will look like an open DCB to CLOSE (word 10 is the open flag word, i.e., the ID segment address of FMGR). After the command has been processed, FMGR calls CLOSE on 0.BUF, and CLOSE will attempt to close the 'DCB'. The data in the DCB is all wrong, and eventually FMGR will probably abort trying to use a number from the DCB that it thinks is the LU number of the disc. If the data in word 10 of 0.BUF does not match the ID segment of FMGR, the CLOSE will be skipped and everything will work fine.

Fix information:
Fixed in A.85.
The command parsing routine now clears 0.BUF(10) before it is finished.

KPR #: 5000019620 Product: RTE-6/VM 92084A 00.00

Keywords: FC

One-line description:
System printed undocumented FC error when system was very busy

Temporary solution:
Rerun the FC. If necessary, wait till the system is less busy.

KPR #: 2200000133 Product: RTE-A 92077A 23.01

Keywords: FMP

One-line description:
FMP read/write error -17

Problem:
RTE-A.1 FMP READ/WRITE may cause error -17 if you try to access a mag tape through type 0 file.

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200000190 Product: RTE-A 92077A 22.26

Keywords: IDM00 RTE-A MUX-8 CHANNEL
POWERFAIL POWERFAIL

One-line description:
Mux ports are uninitialized on powerfail

Fix information:
Fixed at C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200000208 Product: RTE-A 92077A 22.26

Keywords: LINK COMMON

One-line description:
LINK loses ref. to common block if program with block data force loaded

Problem:
When linking a program with labelled common, with a block data subprogram you lose the refeence to the common block if you have an undefined external in program and you force the LINK process.

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200000265 Product: RTE-A 92077A 23.01

Keywords: SETTM

One-line description:
SETTM FUNCTION DOES NOT ALWAYS RETURN 0

Problem:
SETTM function does not always return 0 when completed successfullly. sometimes returns 32767.

Fix information:
Bug is fixed at 2326 rev (RTE-A release).

Signed off 10/04/83 in release 23.26

KPR #: 2200000703 Product: RTE-A 92077A 22.26

Keywords: RTE-A

One-line description:
READF-WRITF combination on type 3 files fails

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200000810 Product: RTE-A 92077A 22.13

Keywords: RTE-A.1

One-line description:
Pack doesnot notify user on active files on cartridge

Problem:
Packing a cartridge with active files on it, does not pack the cartridge beyone the lat active file.

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200000851 Product: RTE-A 92077A 23.01

Keywords: RTE-A

One-line description:
RTE-A.1 File Management Ref. Mnl 92077-90008 2/82 Update 1 7/82

Fix information:
Text changed on page 2-7 of RTE-A.1 File Management Manual (part no. 92077-90008). The phrase "if the file is a disc file" was dropped from the sentence:"It makes an entry in the file directory for the file, and if the file is a disc file, it allocates disc space for the data". To be fixed at A.85.

KPR #: 2200000950 Product: RTE-A 92077A 23.01

Keywords: RTE-A

One-line description:
Buffer limits not check in SAM

Fix information:
Tech Pubs: Mimi added the following text to the System Design Manual

(part no. 92077-90013). "However, this check is bypassed if the priority program is between 1 and 40. Note that SAM could be used up quickly under these circumstances." Mimi and I made this correction for A.85. TU 6/12/84

KPR #: 2200000968 Product: RTE-A 92077A 23.01

Keywords: FMP ERRORS WORKING DIRECTORY

One-line description:
FMP working directory does not return error when path name > 63 chars

Problem:
When a working directory is set such that its pathname is greater than 63 characters a call to FMPWORKINGDIR does not result in an error being produced. As per the manual the return string is truncated. Note also that the length of the returned string is 64 rather than 63.

Temporary solution:
Keep pathnames shorter than 63 characters.

Fix information:
Fixed in A.85.
If the resulting name is greater than 63 characters, a -15 error is returned. The truncated name is also returned.

KPR #: 2200000976 Product: RTE-A 92077A 23.01

Keywords: SAM

One-line description:
Unused pages in SAM map not protected

Problem:
Unused pages in SAM map not protected. This could lead to problems if a program tried to access an illegal SAM address. Instead of getting a memory protect, it would probably overwrite user programs.

Fix information:
To be fixed on A.85.
In the start up code in EXEC, the number of pages of SAM that are used is calculated. Then, that many pages of memory are mapped in. The remaining mapping registers are set to -1 so the remaning pages are pretected.

KPR #: 2200000992 Product: RTE-A 92077A 23.01

Keywords: FMP

One-line description:
FMPEOF RETURNS INCORRECT VALUE WHEN FILE IS REOPENed WITH 'OC' OPTION

Problem:
TITLE: FMPEOF returns incorrect value when file is reopened with 'OC' option.

Cause:

FMPEOF returns an incorrect value when the EOF position has been reset to 0 by reopening the file with options 'OC'. It seems to repeat the 'old' EOF position

Temporary solution:
WORKAROUND: Use FMP append.

Fix information:
Fixed in A.85.
When the file was opened with 'OC' and then closed without writing to it, the EOF pointer in the directory was not set to zero but retained its previous value. D.RTR now sets the EOF pointer in the directory to zero when the file is opened with the 'OC' option.
See also SR #2200-012401.

KPR #: 2200001008 Product: RTE-A 92077A 23.01

Keywords: FMP ERRORS GETST

One-line description:
GETSN allows allocation of interactive session number

Problem:
Getsn routine allows the allocation of interactive session numbers (e.g. 3). It should only allow the user to allocate programmatic session numbers start from the largest defined LU+1 to 319).

KPR #: 2200001800 Product: RTE-A 92077A 23.01

Keywords: EMA LINK

One-line description:
Non-EMA program loaded as sharable hangs system

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200002188 Product: RTE-A 92077A 23.01

Keywords: TYPE 4 FILE

One-line description:
FMP OPEN for type 1 file does not work without IOPTN parameter

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200002238 Product: RTE-A 92077A 22.26

One-line description:
CLRQ DOES NOT FLUSH REQUEST PROPERLY ON RTE-A.1

Fix information:

Fixed at C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200002253 Product: RTE-A 92077A 23.01

Keywords: FC

One-line description:
FC does not issue a form feed at the end of the listing

Problem:
When access to the list device is finished, FC should issue whatever control request is appropriate to indicate end-of-file on the device. For a line-printer this would be a form-feed.
This should be done whenever FC closes the list file, which happens whenever a new list device is specified with the LL command or when FC is exited.

KPR #: 2200002584 Product: RTE-A 92077A 23.15

Keywords: DOCUMENTATION ERRORS MUX-8 CHANNEL

One-line description:
IDM00 function code 37B (set read type) manual error

Fix information:
It is fixed in RTE-A rev 2326 Driver Reference Manual

Tech Pubs Input: Page 3-51 was corrected in the current edition of utilities manual. TU 2/9/84; dp 6/6/84

KPR #: 2200002600 Product: RTE-A 92077A 23.01

Keywords: RTE-A DRIVERS IDM00
MUX-8 CHANNEL

One-line description:
Cannot re-enable scheduling with IDM00 23B request

Problem:
Unlike what is stated in the Driver Reference Manual, any value specified (not just zero) in PRAM1 function of EXEC(3,23b,PRAM1) will disable program scheduling therefore there is no means of enabling program scheduling.

Temporary solution:
WORKAROUND: Use an exec(3,20B) call to reenable scheduling.

KPR #: 2200002683 Product: RTE-A 92077A 22.26

Keywords: LINK

One-line description:
LINK fails to resave EMA externals in segmented programs

Problem:

Indexing the module SUB is irrelevant, if link is run interactively and the module LI then same fault occurs.
Problem goes away if module %SUB is searched explicitly. Problem also goes away if a dummy module is placed in the code after last WRITE ie

```
 (WRITE ...etc
  Call EXEC(G)
  Call DUMMY
  END
```

and module is force loaded after first library search.

Fix information:
Fixed at C.83.

KPR #: 2200002709 Product: RTE-A 92077A 23.03

Keywords: RTE-A FMGR

One-line description:
OF command operates on preious XQ rather than RU

Fix information:
Fixed at 2326.

Signed off 07/05/84 in release 23.26

KPR #: 2200002741 Product: RTE-A 92077A 22.13

Keywords: FORMT

One-line description:
FORMT DOESN'T FORMAT 9134A ON RTE-XL

Problem:
FORMT will not verify the media on the 9121S/D, 9133A or 9134A discs.

Fix information:
FORMF has solved this problem.

Signed off 07/05/84 in release 23.26

KPR #: 2200002808 Product: RTE-A 92077A 23.01

Keywords: RTE-A

One-line description:
Driver Ref. man. shows wrong DP1 for CTD

Fix information:
Correction made on page 2-72 of Driver Reference Manual (part no. 92077-90011). I changed the 1 to a 0 in the CTD Parameter Description for DP1. Correction made for A.85.

KPR #: 2200002840 Product: RTE-A 92077A 23.01

Keywords: TIMEOUT DD.23

One-line description:
DD.23 times out before end of tape is reached

Fix information:
Fixed at C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200002980 Product: RTE-A 92077A 23.01

One-line description:
$IRT code executed incorrectly after interrupt

Fix information:
Will be fixed on A.85.

KPR #: 2200003020 Product: RTE-A 92077A 23.26

Keywords: CRASH

One-line description:
Running a 32767-word non-CDS program crashes the system.

Problem:
Running a 32767-word non-CDS program crashes the system.

Fix information:
Will be fixed for C.83 revision.

Signed off 07/05/84 in release 23.40

KPR #: 2200003038 Product: RTE-A 92077A 23.26

Keywords: SAM CLASS I/O

One-line description:
CLRQ type-2 requests don't work. The SAM and class number are lost.

Problem:
Type 2 CLRQ requests don't work. The SAM and the class number are lost.

Fix information:
Will be fixed at C.83 revision.

Signed off 07/05/84 in release 23.40

KPR #: 2200003046 Product: RTE-A 92077A 23.26

Keywords: BOOTEX

One-line description:
If snap file already open, system cannot be booted.

Fix information:
fixed at C.83

Signed off 07/05/84 in release 23.40

KPR #: 2200003053 Product: RTE-A 92077A 23.26

Keywords: EMA

One-line description:
EMA array cannot handle negative subscript

Fix information:
Fixed in A900 Microcode.

KPR #: 2200003087 Product: RTE-A 92077A 23.10

Keywords: EXTENTS RTE-6/VM

One-line description:
Type 2 file write on non-extendible file causes extent to be created

Problem:
A type 2 file that has been created with the number of blocks (file size) not divisible evenly by the number of words per record. If the file is opened such that extents are not to be used (EX bit=0), a write to the last record in the file (this last record has less words in it than needed as specified by the # words/record for the type 2 file) will cause an extent to be created. Any further records written will cause an expected FMGR -012 error (EOF).

Cause:
The problem is that the extent should not have been created, but the last write (the record that wouldn't fit in the last block of the file) should have returned a -012 error as per the manual description of the WRITF routine. Note that this is not a problem with FMPWRITE.

Temporary solution:
Write within a do-loop only the records that will fit in the main file.

Fix information:
Fixed in A.85.
WRITF now performs a check to make sure the whole record will fit into the file. If not, a -12 error is returned.

KPR #: 2200003145 Product: RTE-A 92077A 23.01

Keywords: CS/80

One-line description:
Disc lu goes down when CTD has a problem

Problem:
Whenever the CTD is in use and has some problem (like if the CTD is LU 24),
LU 24 TE ST=300

```
   I/O TE on LU 24, D
   PAEM =005
   Fatal error of tape
   46003  46003
```
The next disc access causes the disc LU to go down to, with very mysterious error reporting. When trying to run FMGR again ->
```
  I/O WP @ LU 79, D, F
```
using the DS,lu command showed the following
```
  DN 79 (207) for LU79
  DN 24 (101) for LU24
```
There is no reason to "DOWN" the Disc LU

Fix information:
To be fixed at A.84.

KPR #: 2200003178 Product: RTE-A 92077A 23.26

Keywords: CI

One-line description:
CI reports "string routine blew-up" if bad record length in command file

Fix information:
No error checking was being done after read from command file. Will be fixed in A.85 to exit from command file if this error is detected.

KPR #: 2200003319 Product: RTE-A 92077A 23.02

Keywords: RTE-A.1

One-line description:
DDC12 cannot handle "Display function on <esc Y>"

Problem:
TITLE: DDC12 cannot handle "Display function on (esc Y)".
A source file, created by EDIT/1000, cannot be listed correctly with 2608S on RTE-A.1 system. The problem is that "Display function ON (ESCY) doesn't work well. After sending ESC Y to the printer, CR is turned into EC&10003VNU. (Please refer to appended list).
It can be listed with 2631G on the same system.

Fix information:
Fix date unknown.

KPR #: 2200003566 Product: RTE-A 92077A 23.26

Keywords: ID SEGMENT

One-line description:
IDRPL uses wrong default temporary/permanent parameter

Cause:
The address for the permanent/temporary flag is incorrect when the parameter is defaulted.

Fix information:
To be fixed at A.85

KPR #: 2200003640 Product: RTE-A 92077A 23.26

Keywords: RTAGN

One-line description:
RTE-A Generation and Installation manual

Fix information:
The following text will be added to the RTE-A Gen and Installation Manual during the A.85 PCO cycle.

The 248x integrated 10Mb hard disc and 270kb microfloppy are similar to the 9133B hard disc and microfloppy. The only differences are that the 248X has an address (0-3) instead of the 9133 HP-IB address (0-7). The other difference is that the 9133 microfloppy appears to have 66 tracks on two surfaces, and the 248X has 66 tracks on one surface. In fact, both microfloppies have the same single sided format, but the 9133 appears to have two sides for driver compatibility with existing microfloppies.

Update will also include two new figures entitled "91348 and 248X Hard Disc Configuration Worksheet" and "Microfloppy Disc Configuration Worksheet".

KPR #: 2200003723 Product: RTE-A 92077A 23.26

Keywords: RTE-A

One-line description:
System base page not write protected

Problem:
System base page is not write protected.

Fix information:
To be fixed at A.85.
Refine the way the OS maps itself.

KPR #: 2200003855 Product: RTE-A 92077A 23.26

Keywords: RTE-A

One-line description:
.D and .S masks do not work properly with DS transparency

Problem:
The .D and .S masks do not appear to work properly with DS transparency. For example, when entering 'DL /MARK/@.@.S>1014', you will list the top level directories fine, but will eventually keep getting 'DUPLICATE DIRECTORY ENTRY' errors on the subdirectories.

Fix information:
Fixed in A.85.
The problem was fixed in FmpInitMask.

KPR #: 2200003947 Product: RTE-A 92077A 23.26

Keywords: VCP

One-line description:
Magtape boot problem

Problem:
Can not boot from magtape with HPIB address 7.

Temporary solution:
Change Magtape HPIB address

Fix information:
Fixed VCP ROM's are available from CE's.

KPR #: 2200003954 Product: RTE-A 92077A 23.01

Keywords: FIRMWARE

One-line description:
A900 micro-machine could lock up after repeated powerfail.

Problem:
After repeated, rapid powerfails, A900 locks up, system can only be reset by powering off.

Fix information:
Fixed in 12201-60051 firmware upgrade kit (all support service customers).

Signed off 07/05/84 in release 23.26

KPR #: 2200003988 Product: RTE-A 92077A 23.01

Keywords: FIRMWARE

One-line description:
A700 floating point multiply looses precision w/ high interrupt rate.

Fix information:
Fixed. B.83 firmware shipments (A700 floating point upgrade).

Signed off 07/05/84 in release 23.26

KPR #: 2200004010 Product: RTE-A 92077A 23.01

Keywords: EMA

One-line description:
Maximum EMA size incorrect

Fix information:
Changed page 9-2 of Programmers Reference (part no. 92077-90007) to read: "The EMA program and data can be a maximum of 1024 pages.
Changed for A.85.

KPR #: 2200004036 Product: RTE-A 92077A 23.26

Keywords: RTE-A TF

One-line description:
TF invalidates its own verifies

Problem:
TF attempts to copy its own scratch file to tape if it matches the mask used to select files. When this happens, it causes unnecessary verify errors to be reported since the scratch file is modified between the backup and verify phases.

Temporary solution:
Make sure you have set up the standard global directory /SCRATCH.
If this directory is present TF will create its scratch files there, and you will only see this problem when you are backing up all files in the hierarchical directories.

Fix information:
TF will be changed so that it will not copy ANY files that have their temporary bit set, including its own scratch file.
This fix is planned for C.83.

Signed off 07/05/84 in release 23.40

KPR #: 2200004044 Product: RTE-A 92077A 23.26

Keywords: RTAGN BOOTEX

One-line description:
RTAGN cannot do zero shared programs

Problem:
The system file is OK. The problem is BOOTEX which does not know what to do with shared table being 0. No change to the generator is necessary.

Temporary solution:
Use SP,1 instead of SP,0

KPR #: 2200004275 Product: RTE-A 92077A 22.01

Keywords: DRIVER WRITING

One-line description:
Driver writing manual example program has error. (CTD control calls)

Fix information:

Driver Reference Manual will be fixed as of A.85 PC0 cycle.

KPR #: 2200004515 Product: RTE-A 92077A 23.26

Keywords: BUILD

One-line description:
BUILD dosn't allow SAM declarations of 32 pages

Fix information:
Will be fixed in A.85.

KPR #: 2200004598 Product: RTE-A 92077A 22.26

Keywords: RMPAR

One-line description:
Result of RMPAR when no parameters are passed doesn't match manual

Problem:
RMPAR returns lu of scheduling device in the first parameter if no parameter is supplied. It does not match ref. manual said '0' is returned.

Fix information:
At A.85, the following sentence will be added to page 7-2, paragraph 2: "If no parameters were passed, the first element in the array contains the LU of the scheduling device." The first sentence of the paragraph will be changed to, "If at least 1 but fewer than 5 parameters ...".

KPR #: 2200004770 Product: RTE-A 92077A 23.01

Keywords: IDM00

One-line description:
UNEXPECTED UNDERSCORE PRINTED ON MUX PORTS

Problem:
As you know, address 0 of user program base page contains a first physical page number of user program which resides in memory. For example, low byte of address zero of user program which resides in memory is 137B (ASCII underscore). When IDM00 receives a zero length buffer write request from DD.00, IDM00 outputs the data '<CR><LF>_<CR><LF>' to 2627A terminal, because IDM00 doesn't check check for a zero length buffer in a write request.

Cause:
It turns out that any time the number of read characters exceeds the size of the user defined buffer an extra [CR][LF]_ will appear on the screen. Modification has been made to IDM00 to check for zero length write and bypass the appropriate portion of code; however, an extra [CR][LF] can still appear and is under investigation.

KPR #: 2200004895 Product: RTE-A 92077A 23.10

Keywords: BUILD

One-line description:
BUILD OUTPUTS INACCURATE MESSAGE FMGR-033 ON OFILE

Fix information:
Fixed at B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200005371 Product: RTE-A 92077A 23.01

Keywords: FC

One-line description:
I007 Error when 'CO' 1024 track cartridge with FC

Problem:
FC reports an I007 error when copying a 1024 track cartridge configured with 64 blocks per track to another cartridge using the "CO" command. This problem does not occur when copying from another cartridge to the 1024 track cartridge, nor when copying a 1023 track cartridge.

Fix information:
This problem will be fixed at A.85.

KPR #: 2200005538 Product: RTE-A 92077A 23.26

Keywords: CDS

One-line description:
A-series parameter passing problem when CDS is used with VMA

Fix information:
This was fixed in A.84.

KPR #: 2200005702 Product: RTE-A 92077A 23.26

Keywords: DOCUMENTATION ERRORS ID.50

One-line description:
Sys gen inf. for ID.50 when it is used with 12060A family of cards

Temporary solution:
If the customer uses ID.50 with 12060A family of measurement and control card for A-series computer, the values of DVT for parallel intf. card in the primary system answer file is incorrect.
See the RTE-A system generation and installation manaual on page G-3 and G-4, parallel interface card section:
Incorrect inf:
DVT,,,LU:84,TO:5000,DX:2,DP:1:1:2,DT:45B
Should be changed to:
DVT,,,LU:84,TO:5000,DX:2,DP:1:0:2,DT:45B
if you use ID.50 with 12060A family of meas. and control cards only.
For detailed information, see Support Update, February 18, 1983 (#268), page 16, "RTE-A/XL Driver Configuration for 12060A Cards."

KPR #: 2200005728 Product: RTE-A 92077A 23.26

Keywords: NEW FILE SYSTEM CORRUPTED DIRECTORY RTE-A

One-line description:
Corrupted files in new RTE-A file system.

Problem:
Corrupted directories &/or files can occur in an RTE-A environment.

Cause:
First, the large disc lu problem (corrupted bit map) resulted in a a change to the 2326 $FMP library. However D.RTR and FVERI using the external were not reloaded with the new version of $FMP. The second problem is that a bug has been found in rev. 2326 $FMP.

Temporary solution:
Three new files for the workaround have been put on the SE access system. Your SE can get the copies and fix the problem for you.

Fix information:
A special RTE-A update labelled rev. 2327 will be made and shipped to the customers who had rev. 2326 of RTE-A.

Signed off 07/05/84 in release 23.40

KPR #: 2200005751 Product: RTE-A 92077A 23.26

Keywords: CRASH

One-line description:
System crash or program abort in very busy system

Problem:
Several problems: system crash, programs aborting, and HLT 27B have occurred in very busy systems

Cause:
Problems in RTE-A memory manager - manifested as HALT 27B, program aborting (usually MP) at primary entry point, or system crash (system executes move-words instruction which corrupts the operating system. The memory manager (%MEMRY) attempts to continue working even after it has already started a swap in or out, but in some cases it should not have.

Fix information:
Fixes for all known memory manager bugs will be included in rev. 2340

Signed off 06/18/84 in release 23.40

KPR #: 2200005835 Product: RTE-A 92077A 23.26

Keywords: PRINT

One-line description:
PRINT UTILITY REQUIRES A CI CARTRIDGE

Fix information:
To be fixed on A.85.

KPR #: 2200005934 Product: RTE-A 92077A 23.26

One-line description:
Swap file created incorrectly by BOOTEX if > 63 ID segments in system.

Problem:
If BOOTEX tries to create a swap file with more than 16K blocks, the system ends up with 0 pages of swap file available.

Cause:
A swap file size greater than 16K blocks causes 16-bit swap file descriptor entry to overflow, resulting in corrupt swap file description. The size may be specified by the boot command SW or to default. If more than 63 ID segments are gen'ed into the system, BOOTEX will calculate a file size greater than 16K blocks.

Temporary solution:
Always specify a swap file size less than 16K blocks.

KPR #: 2200006056 Product: RTE-A 92077A 23.01

Keywords: MUX-8 CHANNEL

One-line description:
MUX Port hangs with KATAKANA (8 Bits)

Cause:
After IDM00 executes a read request via the 12040B to a 2627A terminal the operator inputs KATAKANA code. This causes the mux port to hang up. This symptom is limited to when the operator inputs data longer than the read request. If the data is ASCII, the problem goes away.
The difference between ASCII and KATAKANA (Japanese characters) is in bit 7. (ASCII data doesn't use bit 7, while KATAKANA and other international languages need 8 bits. KATAKANA always sets bit 7 to 1). IDM00 reads the status from the 12040B for a read with 'cancel receive buffer' command. However, the firmware doesn't send a status word, therefore IDM00 will read the last transfer data instead of the status. In this case, the data word bit 15 is 1, because we are using 8 bits. (KATAKANA always sets eighth bit to 1.) IDM00 understands this last data as the status and looks at bit 15 for check errors. Unfortunately bit 15 is set to 1, so the terminal hangs up.

Fix information:
This problem occurs due to a bug in the MUX firmware. The firmware will be modified to fix this problem.

KPR #: 2200006254 Product: RTE-A 92077A 23.40

One-line description:
Misspelling in FVERI error message

Problem:
When FVERI is given a bad LU, it responds with:
(0) Not a heirarchical file system disk.

'hierarchical' is misspelled.

Fix information:
Fixed in A.85

KPR #: 2200006270 Product: RTE-A 92077A 23.26

One-line description:
FmpReName allows renaming of a FMGR file to a numeric value

Problem:
The FmpReName subroutine allows the destination file name to be a numeric value such as '123' or '-25'. For FMGR files, this ascii string gets interpretted into an integer value and that value is used as the new name for the file. If the value is 0 or -1, this could have disastrous effects on the FMGR cartridge directory.

Cause:
For FMGR files, the ascii string for the file namr eventually gets passed through the NAMR subroutine. For numeric values, instead of getting a 6-byte file name, a one-word integer value results with the second two words being null (zero). If this value is a -1, the file will now looked purged to the file system with no way of getting the file back. If this value is 0 (zero), this will look to the file system as if this were the end of the directory. This means that any files located after this one in the directory will be 'lost', that is, they can not be accessed because they appear to be past the end of the directory. In this case, the next file created will be placed on top of the file just renamed. At this time the remainder of the files in the directory should re-appear (provided the disc has not been packed).

Note that this will also occur with the CI 'RN' command.

Fix information:
Fixed in C.83. Now checks (in D.RTR) the destination file name for a non-ascii value, and returns a -15 error (illegal name) for that case.

Signed off 04/10/84 in release C23.40

KPR #: 2200006288 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
CI 'CO' command does not perform checksum with 'B' option

Problem:
The CI 'CO' command is supposed to perform a binary checksum when the 'B' option is specified. In fact, the checksum is not performed.

Fix information:
Fix date unknown.

KPR #: 2200006312 Product: RTE-A 92077A 23.26

Keywords: HP-IB

One-line description:
HPIB on RTE-A - SRQ program scheduling is not correct.

Problem:
IN THE ID.37 ON RTE-A, SRQ PROGRAM SCHEDULING IS INCORRECT. IF SRQ PROGRAM IS NOT DORMANT, ID.37 WAITS 100MS AND TRIES AGAIN. THE PROBLEM HAPPENS AT THAT TIME. ID.37 EXECUTES 'JMP PDONE=PHYSICAL DONE' WHEN THE SRQ PROGRAM IS STILL BUSY AT 2ND TRY. PHYSICAL DONE EXIT TERMINATES ANOTHER I/O REQUEST ON SAME BUS.

Fix information:
The fix will be included in the A.85 software update.

KPR #: 2200006320 Product: RTE-A 92077A 23.26

One-line description:
RTE-A Prog.Ref.: FmpRunProgram parameter should be character not integer

Problem:
The RTE-A Programmer's Reference Manual indicates, for the FmpRunProgram subroutine, that the variable which returns the program name is a 3-word integer buffer. In fact, the variable is a character string. Since it is a program name that is returned, a string of 5 characters is sufficient.

Fix information:
This was corrected in the last update.

Signed off 07/05/84 in release 24.24

KPR #: 2200006338 Product: RTE-A 92077A 23.26

One-line description:
FmpBuildPath loses subdirectories if global dir. is 16 characters

Problem:
If FmpBuildPath is given a 'dirpath' (global and sub-directories) in which the global directory is exactly 16 characters long, all the sub-directories will be lost when the file descriptor is built.
For example, if

```
name    = 'FILE'
dirpath = '/X234567890123456/A/B/C'
```

FmpBuildPath will return, in fileDescriptor:

```
'FILE::X234567890123456'
```

Cause:
This only occurs if the dirpath is exactly 16 characters. If it is 15 or less, FmpBuildPath will work properly.

Fix information:

Fixed in C.83. FmpBuildPath was not allowing a big enough internal buffer to hold the global directory. This would cause it to miss seeing the '/' that indicated that there are sub-directories also. This internal buffer has been increased.

Signed off 04/10/84 in release C23.40

KPR #: 2200006379 Product: RTE-A 92077A 23.26

Keywords: MP VIOLATION

One-line description:
FVERI aborts with MP error if not sized large enough

Problem:
FVERI will abort with an MP error if it is not sized large enough.

Cause:
FVERI puts two things into its free space in memory: the bit map and the buffer used by the masking routines. FVERI does an initial check to make sure that there is enough memory to hold the bit map. If not, it will terminate with an error. But the masking routines require a minimum amount of buffer space also and will cause FVERI to abort if there is not enough. FVERI is not checking to make sure this space is also available.

Temporary solution:
If FVERI aborts, size it up at least an additional page. Note that FVERI will run faster the larger it is sized, so sizing to the maximum is always a good idea anyway.

Fix information:
Fixed in C.83. FVERI does an additional check of free memory size. If there is not enough for both the bit map and the masking buffer, it will terminate with the 'buffer not large enough' error.

Signed off 04/10/84 in release C23.40

KPR #: 2200006403 Product: RTE-A 92077A 23.26

Keywords: FILES

One-line description:
Files can be updated by superuser without specifying security code

Problem:
If a user is superuser, or in a non-VC+ environment, D.RTR allows write access to files without having to specify the security code (FMGR files only). This means that, from superuser, EDIT can be used to update a file with a security code even if that security code is not supplied when the file is opened.

Cause:
D.RTR checks for superuser capability before checking for file protection so that the superuser can override protection. This is fine for the normal CI file system read/write protection. But file security

codes (on FMGR files) are designed to protect a file even from a superuser. Note that this problem occurs in a non-VC+ environment because, in non-VC+, all users are superusers.

Fix information:
Fixed in C.83. D.RTR now checks the security code given before checking other protection-override capability. This is done for FMGR files only.

Signed off 04/10/84 in release C23.40

KPR #: 2200006411 Product: RTE-A 92077A 23.26

One-line description:
Cannot purge a type zero file created with read-only access to the LU

Problem:
The FMGR PURGE subroutine cannot purge type zero files that were created with read-only access (:CR,file,lu,RE). It returns with a -7 error. The FMGR PU command has the same problem (since it uses the PURGE routine).

Cause:
When the type 0 file is opened to be purged, it's read/write protection is set based on the read/write accessibility of the LU to which it points. That is, if the LU is defined as read-only, the file will be opened with read-only access. The PURGE routine, however, needs write access to purge the file, so the purge fails.

Fix information:
Fixed in C.83. The PURGE routine now opens the file with access based on the accessibility of the file's directory entry, not the LU to which it points. That is, read/write access is based on the file's security code. This allows the purge to occur as long as write access is allowed to the file itself, regardless of the accessibility of the LU.

Signed off 04/10/84 in release C23.40

KPR #: 2200006429 Product: RTE-A 92077A 23.26

Keywords: D.RTR

One-line description:
FmpPurge & CI 'PU' cmd do not purge type 0 file, but return no error

Problem:
The FmpPurge subroutine does not purge a type zero file even though it returns with no error. This affects the CI PU command also (since it uses FmpPurge): when an attempt is made to purge a type zero file, CI responds with an '[ok]' even though the file has not been purged.

Cause:
FmpPurge was not designed to be able to purge a type zero file, but no error is returned by D.RTR if an attempt is made to do that.

Temporary solution:
Use the PURGE subroutine or the FMGR PU command to purge the type zero file.

Fix information:
Fixed in C.83. FmpPurge now returns a -16 error when attempting to purge a type zero file (the error is generated by D.RTR).

Signed off 04/10/84 in release C23.40

KPR #: 2200006437 Product: RTE-A 92077A 23.26

Keywords: FMP

One-line description:
Masking routines drop security code (e.g., PU doesn't work)

Problem:
When doing 'wildcard' file access, the security code for the file is not retained. For instance, the following command from CI:

```
CI> pu @:sc:cr
```

will attempt to purge the files like this:

```
file1::cr, file2::cr, etc.
```

Since the security code is not retained in the resulting file name, the PU command will fail.

Cause:
When the masking routines construct the resulting file descriptor, the security code is just dropped somewhere.

Temporary solution:
A user program running into this problem could plug the security code back into the resulting descriptor using FmpParse/BuildName.

Fix information:
Fixed in C.84.
The problem lay with CI, not with the FMP masking routines. CI was setting the security code to zero unconditionally. This has been changed so that the security code is left alone if the user supplies it.

KPR #: 2200006452 Product: RTE-A 92077A 23.26

One-line description:
Can't open or purge type 0 file created with BI subfunction

Problem:
OPENF returns a -18 (illegal LU) error when trying to open a type zero file that was created for reading binary data (CR,file,lu,RE,,,BI). The PURGE routine also fails with a -18 error. This affects the FMGR LI and PU commands, as well as anything else that uses these routines.

Cause:
The OPENF routine masks off the LU number from the file directory entry using a mask of 377B when it should be using 77B. By getting more bits, it is picking up the 'BI' subfunction bits as part of the LU number. It then fails when it passes this LU number to the LURQ routine to lock the

LU.

Fix information:
Fixed in C.83. The mask was changed to 77B.

Signed off 04/10/84 in release C23.40

KPR #: 2200006460 Product: RTE-A 92077A 23.26

Keywords: DS 1000

One-line description:
DSRTR aborts with 601 runtime error if given illegal file name

Problem:
DSRTR aborts with a 601 runtime error is the following file descriptor is supplied in an open request:

```
   name>[account]>node
```

The name doesn't make sense, but DSRTR shouldn't abort.

Cause:
DSRTR does a substring manipulation on everything occurring between the '>' and the '[', believing that to be the node number. There is nothing there (null string), so the substring specification has a zero length and causes DSRTR to abort. DSRTR should do a bounds check on the substring length before attempting to use it.

Fix information:
Fixed in C.83. DSRTR now checks the substring length before manipulating it.

Signed off 04/10/84 in release C23.40

KPR #: 2200006478 Product: RTE-A 92077A 23.26

One-line description:
FmpUniqueName generates non-unique names after September

Problem:
The FmpUniqueName function begins repeating names after sometime in the second week of September.

Cause:
If FmpUniqueName is run several times in succession, it will not always generate unique names. This occurs only if the user program is running sometime after approximately the second week in September. The problem is that FmpUniqueName uses the current time in its calculation to come up with a unique name. It actually uses the number of TBG tics since the beginning of the year. Unfortunately, the calculations it uses do not have enough precision to handle more than approximately 250 days of TBG tics. At this point, the calculation overflows and becomes a constant zero, which is then modified slightly. This causes the names generated after that point to be very repetitious, if not constant.

Fix information:

Fixed in C.83. The calculations were changed to divide the year in half so that the numbers are a little smaller. This means that the names that FmpUniqueName comes up with will repeat every six months, rather than every year as they (theoretically) did before.

Signed off 04/10/84 in release C23.40

KPR #: 2200006486 Product: RTE-A 92077A 23.26

Keywords: FMP

One-line description:
APOSN returns no error if block offset given is negative

Problem:
APOSN returns a zero when a negative value is given as the fifth argument. This argument, the offset into a block, should never be negative.

Cause:
APOSN should return an error message of some sort.

KPR #: 2200006510 Product: RTE-A 92077A 23.26

One-line description:
CI's DL command always displays FMGR file security codes

Problem:
The DL command in CI can display file security codes on FMGR cartridges for any user.

Cause:
There is no parameter on the DL command to specify the master security code, so there is no restriction on who can display file security codes. The FMGR DL command does require the master security code in order to display file security codes.

Fix information:
Fixed in C.83. A parameter has been added to the DL command for specifying the system master security code. If the master security code is not given, or is not correct, file security codes on FMGR cartridges will not be displayed. Note that if the master security code is zero, any value, or no value at all, for this parameter is accepted, i.e., file security codes will be displayed.

Signed off 04/10/84 in release C23.40

KPR #: 2200006700 Product: RTE-A 92077A 23.26

Keywords: DD.33

One-line description:
DD.33 NOT AUTOSPARING BLOCKS ON CS/80 CARTRIDE TAPES

Problem:
WHEN A BAD BLOCK OCCURS ON A CS/80 CARTRIDGE TAPE, THE ERRORS CONTINUE TO OCCUR ALTHOUGH THE DOCUMENTATION SAYS AUTOSPARING OF BAD BLOCKS IS DONE.

Cause:
DD.33 IS NOT AUTOSPARING BLOCKS ON THE CTD. AS A WORKAROUND, USE FORMC TO REFORMAT THE TAPE. THIS WILL FORCE AUTOSPARING OF BAD BLOCKS.

KPR #: 2200006759 Product: RTE-A 92077A 23.26

Keywords: DOCUMENTATION ERRORS

One-line description:
SAMPLE PRIVILEGED DRIVER IS WRONG IN RTE-A DRIVER DESIGNER'S MANUAL

Problem:
CHANGE THE USER-WRITTEN PRIVILEGED DRIVER TO THE FOLLOWING EXAMPLE. THERE ARE A COUPLE OF ERRORS IN THE DRIVER DESIGNER'S MANUAL IF THE LAST CHANGE IS NOT MADE (SAVING AND RESTORING Z REGISTER) A 'HLT 3' SAMPLE PRIVILEGED DRIVER.

PAGE #	LABEL	OLD VALUE	NEW VALUE
MAY RESULT.			
8-6	RESTR+9	SZA	CLA
8-6	RESTR+10	JMP NO.MP	DELETE LINE
8-6	PDNOW+12	STA $Z	SAVE Z REGISTER FIRST & RESTORE

Fix information:
Text changed on page 8-6 of Driver Design Manual (part no. 92077-90019) Correction made for A.85.

KPR #: 2200006833 Product: RTE-A 92077A 23.26

Keywords: D.RTR

One-line description:
D.RTR can corrupt CI files or directories.

Problem:
A serious bug has been found in D.RTR that causes it to corrupt files in some rare cases.

Cause:
When D.RTR creates a file on a CI file system volume, it scans through the "bit map" for that particular volume for a space large enough to hold the file (the bit map contains a representation of free and used space on the disc). In one relatively rare corner case, it is possible for D.RTR to think that it has found a space large enough when in fact it isn't. D.RTR will create the file so that it overlaps the next physically contiguous file by (usually) 1 or 2 blocks. The overlapped file will now contain wrong data in its first couple blocks. FVERI will report 'duplicate use of disc block' at this location.
If the file that was overlapped was actually a directory, that directory and all it contains will become inaccessible. FVERI will report errors such as 'directory tag field incorrect'.
When either one or the other files is purged, FVERI will report 'used space marked as free'.

Temporary solution:
FVERI should be run periodically (e.g., once a day) to catch this error if it occurs. If two files are found pointing to the same disc space,

the following should be done:
1. Determine which file is good (usually the one created last).
2. Copy this file to another place on the disc (use the CO command, not the MO command).
3. Purge both files.

The doubly-defined space should now be freed up. If this procedure can't be done (for instance, a directory has been corrupted), then the entire volume must be backed up with TF, the volume initialized, and then restored with TF. This will yield a clean file structure.

Fix information:
Fixed in C.83. A special 2327 revision distribution is being sent to subscription service customers who have already received their B.83 shipment. The RTE-A primaries are being updated to revision 2328 for new customers. Note that this new software will keep the problem from occurring again, but it will not fix any files already corrupted. After installing the new software, run FVERI to insure that there are no files currently corrupted on the system. If there are, take the steps given above to correct the situation.

Signed off 04/10/84 in release C23.40

KPR #: 2200006874 Product: RTE-A 92077A 23.26

One-line description:
$NAME doesn't work if the passed name buffer address is indirect.

Fix information:
This will be fixed at the next revision of RTE-A (A.85 PCO). It worked in RTE-A.1 and got broken for RTE-A.

KPR #: 2200007252 Product: RTE-A 92077A 23.26

Keywords: FIRMWARE

One-line description:
Arithmetic firmware problem on A900.

Problem:
PROBLEM DESCRIPTION: The following Fortran program gives wrong result:

```
A=40
Z=2*A**3
WRITE (1,*)Z
```

correct result should be: 128000, instead we get: 4.16E5

Cause:
Problem is in the microcode.

Fix information:
For current customers: the 2401 version of the compiler was modified to not emit this particular code sequence (it was an optimization that is no longer done.)
For new customers: The microcode was also fixed.

KPR #: 2200007377 Product: RTE-A 92077A 23.26

Keywords: REIO

One-line description:
REIO/XREIO doesn't reject write tr=0 sec=0 call on RTE-A

Problem:
A write request made with REIO/XREIO that is accidentally directed to a disc LU will overwrite the disc at track 0 sector 0. This can happen with a FORTRAN WRITE statement, BASIC-L PRINT statement, FMPWRITE call, or WRITF call since these all use REIO/XREIO to do the actual write.

Cause:
If a write call is made to a disc LU using REIO or XREIO, no check is made to make certain that the track and sector parameters were passed (this check is made for an EXEC/XLUEX call and the call is rejected if they are not present). If they are not supplied, they default to zero and the write is done to track 0 sector 0 of the disc LU. This could overwrite the BOOTEX on that LU if there is one, or the bit map if the LU is a CI volume, or the first file if it's a FMGR cartridge.

KPR #: 2200007393 Product: RTE-A 92077A 23.26

One-line description:
RTE-A RPL file specifications error

Fix information:

The line suggesting that CDS is available on an A600 processor has been deleted from table 5-2 on page 5-10 of the System Design Manual (Part No. 9207-90013). The column designating the double precision floating point for the A900 in this same table now reads "YES".

KPR #: 2200007625 Product: RTE-A 92077A 23.26

Keywords: RTE-A

One-line description:
No utitlity to backup a file larger than a single micro floppy

Problem:
There is no utility to backup or restore a file larger than a single micro floppy (4MB) in the micro/1000 systems.

Temporary solution:
As a short term solution DSD is making avaiable to all Micro/1000 execute only system users the FCO floppy and the FCO manual.
The FCO floppy is normally distributed as part of all Micro/1000 option 22 system orders. Only, Micro/1000 execute only, option 110 do not already have FCO. If you need FCO, please send the following information to Noemi Petrone, Data Systems Division, Bldg. 42U, 11000 Wolfe Road, Cupertino, California, 95014:
Your name, your company's name, the sale order number, the type of system you ordered, and your address.
<<-- THE ABOVE IS INCORRECT. The workaround is to break your file into smaller chunks, if you can.

Fix information:
DSD is developing a physical save/restore utility for the micro-floppy and modifing an exisiting backup utility to be able to save and restore files larger than one micro-floppy.

KPR #: 2200007633 Product: RTE-A 92077A 23.26

Keywords: RTE-A

One-line description:
No method is avail. to restore a system after a failure in MICRO/1000.

Problem:
No method is available to restore a system following a catastrophic failure or to build a system purchased as an execute only.

Temporary solution:
As a short term solution DSD is making avaiable to all Micro/1000 execute only system users the FCO floppy and the FCO manual.
The FCO floppy is normally distributed as part of all Micro/1000 option 22 system orders. Only, Micro/1000 execute only, option 110 do not already have FCO. If you need FCO, please send the following information to Noemi Petrone, Data Systems Division, Bldg. 42U, 11000 Wolfe Road, Cupertino, California, 95014:
Your name, your company's name, the sale order number, the type of system you ordered, and your address.

Fix information:
DSD is developing a physical save/restore utility for the micro-floppy and modifing an exisiting backup utility to be able to save and restore files larger than one micro-floppy.
Fixed on A.85.

Signed off 09/11/84 in release 24.01

KPR #: 2200007641 Product: RTE-A 92077A 23.26

Keywords: RTAGN

One-line description:
Leaving COM,0 out of a generation can cause serious errors.

Problem:
If the COM command is omitted from the answer file, no error is reported by the generator and the system will appear to boot successfully. However, whenever the system attempts to write an error from the system message block, it may crash.

Fix information:
To be fixed at A.85.
Change the generator to report an error if the COM command is omitted.

KPR #: 2200007666 Product: RTE-A 92077A 23.26

Keywords: FMP

One-line description:
FmpWrite doesn't handle carriage control to printers

Problem:
When FmpWrite is used to write to a line printer, the first character in the buffer is printed instead of being used as carriage control. Since Fortran and Pascal use FmpWrite for output to a line printer, the defined standard carriage control functions do not work (such as Pascal's PAGE or putting a '1' in column one in Fortran).

Cause:
In D.RTR, when the device file DCB is set up, bit seven (the print mode bit or "V" option bit) gets set, which tells the driver to print column one as text, not use it as carriage control. D.RTR was written to set this bit when RTE-A was introduced, and it carried over to RTE-6. This is the reverse of the way HP software has worked in the past. Note that this also affects using CI's CO command to copy a file to a printer: the first column will not be used as carriage control.

Temporary solution:
Use the FmpSetIoOptions routine to clear bit 7 in the I/O word (this can't be used for Fortran and Pascal I/O, however).

Fix information:
Fixed in A.85.
When D.RTR opens a device file that points to a printer, it defaults the I/O option word in the DCB to have bit 7 clear. See SR# 2200-010116 for a corresponding change to FmpCopy.

Signed off 12/13/84 in release A24.40

KPR #: 2200007674 Product: RTE-A 92077A 23.26

Keywords: D.RTR

One-line description:
Carriage control in column one not recognized.

Fix information:
Fixed in the A.84 addendum.

KPR #: 2200007781 Product: RTE-A 92077A 23.26

Keywords: LIBRARY

One-line description:
Wholockedlu routine cause MP error on RTE-A

Problem:
The routine 'Wholockedlu' (RTE-A relocatable lib. manual pg 7-19) doesn't work. It caused 'MP error' in the program.

Cause:

example program is as follows:
ftn7x,l

```
      program who
      implicit integer (a-z)
      write(1) 'enter lu # ?'
      read(1,*) lu
      idaddress=wholockedlu(lu)
      write(1,*) idaddress
      end
```

KPR #: 2200007930 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FVERI incorrectly analyzes extents on type 6 files.

Problem:
FVERI incorrectly analyzes extents on type 6 files.

Cause:
The size of extents on type 6 files are the same as that of the main; the extent size is not stored in the extent entry. FVERI is apparently treating the extents on a type 6 file the same as it would any other file with type greater than 2.

Fix information:
Fixed in A.85.

KPR #: 2200007948 Product: RTE-A 92077A 23.40

Keywords: CI

One-line description:
'DL /@.' gives bad error message 'No such file /@..DIR'

Problem:
If the command 'DL /@.' is entered, the error message that is returned reads: 'No such file /@..DIR'. There shouldn't be two dots in the descriptor in the message.

Cause:
The real problem is in the FattenMask routine. Since the directory specification is a '/', this is a global directory search, so FattenMask tacks on a 'DIR' type-extension. But, the dot that follows the '@' is retained in the name so it doesn't drop away during the parsing. So, when the 'DIR' type-ext. gets added on, two dots appear.

Fix information:
Fixed in A.85.
Fixed in the FattenMask routine.

KPR #: 2200008011 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FmpGetValue/SetValue return wrong error if file name too long

Problem:
FmpGetValue and FmpSetValue return the wrong error if the file name passed is longer than 64 characters. FmpGetValue is called internally by the folowing routines, so this problem will show itself when calling one of these routines:

FmpAccessTime, FmpCreateTime, FmpUpdateTime
FmpRecordCount, FmpRecordLen
FmpSize
FmpEOF

Cause:
FmpGetValue and FmpSetValue both check to make sure the length of the file name string passed in is not greater than 64 characters. There are three problems with the checks made:

1) Both return a -200 error, which is wrong. The -200 error means 'no working directory'. The error should be -15: 'illegal name'.
2) Both check the defined length of the character string instead of the length actually used, i.e., the check is made using "LEN(name)". The code should really check the actual length used, i.e., using "TrimLen(name)".
3) FmpSetValue doesn't, in reality, check for a length greater than 64. It checks the length against a variable that was never initialized; so, in most cases, it's checking if the string is greater than 0 in length.

Temporary solution:
Workaround (for FmpGetValue and the routines that call it): In the FTN7X CHARACTER statement for the file name string to be passed to these routines, define the length of the string to be less than or equal to 64 characters.

Fix information:
Fixed in A.85.

KPR #: 2200008110 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
Manual bug: File size created in -chunks after 16K, not 32K blocks.

Problem:
According to the documentation, if a file is created larger than 32K blocks, the size placed in the directory is actually a negative number of 'chunks', each 128 blocks (e.g., -300 chunks = 300*128 blocks). In fact, the file gets a -chunk size if the file is larger than 16K.

Cause:
In D.RTR, when the size is being calculated to put in the directory

entry, a check is made to determine when to use blocks and when to use -chunks for the size. The check is made against 16384 instead of against 32768.

This check is actually correct because the file size stored in the DCB (and in a FMGR cartridge directory) is really #sectors rather than #blocks. The bug is in the RTE-A Programmer's Ref. Manual (under FmpOpen, 'Creating Files'); it should read that -chunks are used when the file is larger than 16383 blocks or 32767 sectors.

Fix information:
At A.85, p. 8-15 will be changed to show that -chunks are used if the file is larger than 16838 blocks (32767 sectors).

KPR #: 2200008128 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
Creating FMGR file via FmpOpen w/ size=-1 always gives size=128

Problem:
If a FMGR file is created using FmpOpen with a size of -1, the rest of the disc is not used. Instead, the file is created with a size of 128 blocks.

Cause:
A negative file size normally represents a negative number of 'chunks' (128 blocks). However, the -1 size is supposed to be special-cased to mean "use the rest of the disc". D.RTR does two calculations on the size, and the first one does not special case the -1. Since the -1 is treated as a -chunk size, the result is 128 blocks. The second calculation special-cases the -1 correctly, but the -1 never gets passed through the first calculation to get to that point.
Note that an OPEN call (and, consequently, FMGR's CR command) does this correctly.

Fix information:
Fixed in A.85.

KPR #: 2200008169 Product: RTE-A 92077A 23.26

Keywords: DD.00

One-line description:
DD.00 does not leave form at true top of form after printing a file.

Problem:
When dumping a file though the mux to a line printer (device driver DD.00), at the end of the file the driver sends a form-feed (FF) followed by a carriage return, line feed (CRLF). This puts the form one line down from the top. When a conditional form feed is requested (say by Graphics-II) the printer will always eject a page.

Fix information:
It will be fixed at A.84.

KPR #: 2200008425 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FmpFileName returns sec. code even if not supplied originally by user

Problem:
FmpFileName returns the security code of a FMGR file even if the security code was not specified when the file was initially opened.

Cause:
FmpFileName should not return the security code of the file if the file is write protected (security code not supplied at open).

Fix information:
Fixed in A.85.
FmpFileName will not return the security code if the file is not open with write access. This will be true if the user called FmpOpen without requesting write access, whether or not the correct security code was supplied in the open call. If write access was requested in the open call, the security code must have been supplied correctly (or the open would have failed), so FmpFileName is free to return the security code for the file.

KPR #: 2200008458 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FmpRpProgram should return -209 if dir specified doesn't exist

Problem:
FmpRpPropgram returns a -6 error if the directory is specified and that directory doesn't exist.

Cause:
FmpRpProgram converts a -209 error into a -6 to avoid confusing the user if /PROGRAMS/ doesn't exist, for instance. However, it should pass through the -209 error if the caller specified a directory explicitly.

Fix information:
Fixed in A.85.

KPR #: 2200008706 Product: RTE-A 92077A 23.26

Keywords: IMAGE

One-line description:
MODEM program aborts Image-II DBMON

Problem:
The progrma MODEM aborts the IMAGE-II monitor. DBMON if a modem connection is broken, roll back recovery is forced on all open datab

Cause:
The program MODEM does not make a special case for the program DBMON.

KPR #: 2200008755 Product: RTE-A 92077A 23.10

Keywords: FMP

One-line description:
FMP/FMGR distinction misleading in documentation

Fix information:
The sentence "It works on FMGR files, but not on FMP files" (page B-5, last paragraph, Programmer's Reference manual) was changed in Update 1 (June, 1983). The new sentence is: "Repeated, exclusive opens of the same program work on FMGR files, but not on FMP files."

KPR #: 2200008797 Product: RTE-A 92077A 23.40

Keywords: HELP

One-line description:
CRDIR help file: example wrong for creating dir. with smaller size

Problem:
The CRDIR help file (on both RTE-A and RTE-6) is incorrect in its examples of how to create a directory with a smaller size.

Cause:
The examples given show how to use a file descriptor with the size specified, like this: crdir dir:::<size>. The size value is being shown in the wrong position (it's shown in the file type position). There really needs to be four colons between the 'dir' and the 'size', like this: crdir dir::::<size>.

Fix information:
Fixed in A.85.

KPR #: 2200008961 Product: RTE-A 92077A 23.26

Keywords: BUILD

One-line description:
System with SHEMA created by BUILD will get EM82 errors

Problem:
An attempt to use shareable EMA in a memory-based RTE-A system produced by the program BUILD causes EM82 errors.

Temporary solution:
Corrected version of BUILD (rev2388) is available.

Fix information:
To be included in the A.84 addendum and included into the 92077A product at A.85.

KPR #: 2200008979 Product: RTE-A 92077A 23.26

Keywords: RTAGN

One-line description:
RTAGN:Changing working dir causes snap file to be created in wrong place

Cause:
The entire pathname associated with files the generator accesses are not kept, only the file name. This is normally not a problem since the output and list files are kept open from start to finish. However, the snap file is created and closed initially, then re-opened when the gen is complete so that information may be placed into it. If the WD has changed, the original snap file will NOT be used, and a new one is created in the current working directory.

Temporary solution:
Always specify full pathname of snap file.

Fix information:
RTAGN will save the full pathname of the snap file across the gen.

KPR #: 2200009605 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
CI User's Guide error: Year in mask qualifier can't be greater than 2037

Problem:
The RTE-A User's Guide, in describing masks (pg. 3-15 and possibly elsewhere), it states that if the year in the qualifier is between 00 and 69, it represents 2000-2069. In fact, the software doesn't allow the year to be greater than 2037. The manual should be updated to reflect this.

Cause:
The time stamps are represented internally as a double-word integer number of seconds since Jan. 1, 1970. After the year 2037, the number becomes too big for a double-word integer.

Fix information:
At A.85, p. 3-15 of the RTE-A User's Manual will be changed to show 2037 as being the maximum year that can be input.

KPR #: 2200009613 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
?MASK incorrect: Year in mask qualifier cannot be greater than 2037.

Problem:
The help file for masking (?MASK) states that if the year given in the qualifier field is between 00 and 69, it represents 2000-2069. In fact, the software will not allow the year to be greater than 2037. The help file should be updated to reflect this.

Cause:
The time stamps are represented internally as a double-word integer number of seconds since Jan. 1, 1970. After the year 2037, the number becomes too big for a double-word integer.

Fix information:
Fixed in A.85.

KPR #: 2200009662 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FmpList cannot output to printer - gets 'no read access' (-204) error

Problem:
FmpList cannot write its output to a line printer. It gets a -204 error (file read protected).

Cause:
FmpList is opening the output LU with the 'rwc' options. Since the printer is a write-only device, the open fails. It doesn't need to have read access to the device it's writing to.

Fix information:
Fixed in A.85.
Now, if the open on the output device fails with a 'no read access' error, FmpList will try the open again without read access (interactive devices need read access to do scrolling).

KPR #: 2200009704 Product: RTE-A 92077A 23.26

Keywords: TF

One-line description:
TF cannot handle FMGR files called xx.DIR

Problem:
TF ABORTS without a meaningful error message while restoring file from the tape if a file called XX.DIR is on the tape and it was originally on Disc on an FMGR LU. TF does not hanlde FMGR files with a .DIR extension, and depending on what follows that file on the tape, different problems could possibly occur(even aborting the process).

KPR #: 2200009936 Product: RTE-A 92077A 23.26

Keywords: ID.00

One-line description:
SYSTEM HUNG AFTER POWER ON 262X TERMINAL WHICH NOT A VCP TERMINAL

Problem:
The terminal, when being turned on or off, is generating a break signal that causes the system to hang up.

Cause:

The async. interface driver, ID.00 is not clearing status before turning on async. interrupts. Consequently, the break indication is is never cleared of the card and the operating system is continually servicing interrupts from the card.

Fix information:
ID.00 has been modified to fix this condition. Will be available for the A.85 PCO.

KPR #: 2200010132 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
Opening write-protected file with 'CO' option puts EOF into file

Problem:
If an existing file is opened with the 'CO' option, an EOF is written to the file, even if the file is write-protected. No further writes will be allowed, however.

Cause:
The 'C' option implies that the user wants an empty file, so if the user specifies 'OC', and the file exists, the file is emptied by putting an EOF in the beginning of the file (for type 3 and above files). This is okay, except when 'OC' is specified without 'W', the EOF will be written even if the user does not have write access to the file. D.RTR is not checking for write access before writing the EOF. If the 'W' is specified, however, the check for write access is done immediately when the file is opened; if the file is write-protected, the open will fail and the EOF will not be written.

Temporary solution:
Specify the 'W' option with the 'OC' options when opening the file. This will force the open to fail if you do not have write access. Another alternative is to open the file with the 'O' first, then if the file doesn't exist, use the 'C' option.

Fix information:
Fixed in A.85.
Creating a file implies writing to it, so FmpOpen now requires that if the 'C' option is specified, the 'W' option must also be specified. This is true whether using the 'C' or 'CO' options. This requirement forces the user to request and obtain write access before creating a new file or emptying an existing file.
If the 'W' option is not specified with the 'C', a -203 ("Did not ask to write") error will be returned.

KPR #: 2200010140 Product: RTE-A 92077A 23.40

Keywords: CI

One-line description:
DL of directory with extents will not indicate extents

Problem:
If a directory has extents, a DL of the directory itself will not have

the EX field marked showing that there are extents.

KPR #: 2200010439 Product: RTE-A 92077A 23.26

Keywords: TF

One-line description:
TF aborts: file name too long or internal error on save from FMGR cart.

Problem:
If TF is used to back up FMGR CRN's and files
have a '1' in the name, and attempt to restore this CRN with @::21 or
/21/e the error 'file name to long or internal error' can occur.

KPR #: 2200010538 Product: RTE-A 92077A 23.40

Keywords: MERGE

One-line description:
MERGE can truncate file too short

Problem:
MERGE sometimes truncates the output file incorrectly, causing an illegal file position error when the file is read.

Cause:
When MERGE is ready to truncate the output file, it does an FmpPosition call (it is at the end of the file), calculates the block number, and calls FmpTruncate. It doesn't take into account, however, that the word position returned by FmpPosition is the position just before the EOF mark, not including the EOF mark. Normally this causes no problem, except when the EOF mark is the first word of a new block. In this case, the file is truncated short of the EOF mark, causing an illegal file position error after the last record is read.

Temporary solution:
The workaround is to change the size of the resulting file, possibly by including a small dummy file in the merging.

Fix information:
Fixed A.85.

KPR #: 2200010603 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:
D.RTR can mis-handle multiple open flags on FMGR files

Problem:
D.RTR has some trouble handling the open flags on a FMGR file when more than one program has the file open. Specifically, if three programs A,B,C open the file and B closes it, when C closes it next the open flag may not get cleared. The file is closed okay without error, but the open flag in the directory just doesn't get cleared. If another program opens the file and closes it, C's open flag should get cleared (if C has terminated) because the open flag is no longer valid and the action of

closing the file cleans up invalid open flags.

Cause:
The problem is in the way D.RTR handles the open flags when it closes a file. The open flags are modified in two steps: First, all invalid flags are removed and the list is packed (so that there are no imbedded zeroes caused by clearing the invalid flags). Then the appropriate open flag is cleared to show the file is closed to the requesting program. Since the packing of the list is done before the one open flag is cleared, the cleared flag could leave a zero imbedded in the open flag list. This will cause D.RTR to ignore any open flags following the zero because a zero indicates the end of the open flag list.
The implication is that if a program tries to close the file, and the program's open flag appears after the zero, that open flag will not be cleared by D.RTR. If this flag remains valid (i.e., the program doesn't terminate), it will not get removed.

Another related problem occurs because of the packing technique used by D.RTR: When it moves open flags up in the list, it doesn't clear the old entry. If there are multiple invalid flags to clear for the file, this could result in some open flags getting duplicated.

These errors would normally manifest themselves in keeping open flags around in a file's directory entry. If these flags remain valid, they will not automatically be removed periodically, so the file will be limited in the number of programs that can have it open.

Temporary solution:
One possible workaround would be to have the programs that opened the file close it in the reverse order. That is, if A,B,C opened the file (in that order), have C close it first, followed by B, then A.

Fix information:
Fixed in A.85.

Signed off 12/13/84 in release A24.40

KPR #: 2200010652 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FmpCopy of binary file to mini-cartridge fails with zero-length records

Problem:
When FmpCopy (and, therefore, the CI CO command) copies a file containing imbedded zero-length records to a mini-cartridge, the transfer will fail if it is done in binary mode.

Cause:
When a file is copied in binary mode to a device, FmpCopy sets the 'binary' bit in the I/O option word in the DCB. With a binary transfer, it is illegal to send zero-length records to a mini-cartridge. FmpCopy should ignore the zero-length records and not transfer them if the output device is a mini-cartridge.

Temporary solution:
Running LINDX on a relocatable will cause the zero-length records to be removed. Also, using FMGR to store the file from one place to another will remove zero-length records.

Fix information:
Fixed in A.85.
FmpCopy will automatically skip zero-length records if the output device is a mini-cartridge. Also, a 'Z' option has been added to force FmpCopy to skip zero-length records when requested by the user.

KPR #: 2200011205 Product: RTE-A 92077A 23.01

One-line description:
Inconsistency in RTE-A.1 Prim Sys Inst Manual

Fix information:
Fixed in August 1983 update.

KPR #: 2200011700 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:
Can create numeric file name, then can't purge it.

Problem:
Under certain conditions, FMP will let you create a file that has a name which starts with a number, but then will not let you purge it normally.

Cause:
You can create the file: /dir/sub/12345, but if you set your working directory to /dir/sub/, you can't purge the file 12345.
The reason is that D.RTR calls FmpParseName on the name it is given. This breaks the name into /dir/ and sub/12345. It then checks the latter value to see if this starts with a number. The intent is to check for a numeric file name, but it is actually checking the subdirectory name. With the working directory set, D.RTR will check the actual name 12345 and return a -15 error.
You also can not purge the file if you move it to a global directory.

Temporary solution:
You can purge the file by specifying /dir/sub/12345. If the file has been moved to /dir/12345, you can purge it if you move it back under a subdirectory again.

Fix information:
Fixed in A.85.

KPR #: 2200011882 Product: RTE-A 92077A 24.01

One-line description:
IDM00 corrupts the time out list

Problem:
When using IDM00 as the physical driver, it is possible to get requests

linked onto the timeout list twice, which corrupts the list, causing the system to hang. What appears to happen is that there is an active request on the IFT with the hold bit set. An interrupt occurs, causing a physical resume to take place. IDM00 is entered and when it exits the A register doesn't have the hold bit set. This causes the hold to be released. The logical driver is entered with a resume entrance and leaves with a wait exit. This causes the DVT to be placed on the time out queue. The IFT is then checked for a request. Since there is a request and the hold is not set, RTIOA tries to start the request by going to physical initiate. This places the request into the timeout list again which corrupts the time out list.

Fix information:
To be fixed at A.85 revision.

KPR #: 2200011890 Product: RTE-A 92077A 23.26

Keywords: OPEN

One-line description:
Ftn7x open statement of type 2 files direct access gives 501 error.

Temporary solution:
Use FMP open statement.

Fix information:
This bug has been fixed in the 2401 revison of $FNEWF.

KPR #: 2200012401 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:
FmpOpen with 'OC' option empties existing file but doesn't update dir.

Problem:
When FmpOpen is called with the 'OC' options, and the file already exists, an EOF is put into the beginning of the file to initialize it (if the file is type 3 or above). However, the directory information does not get updated, so if the file is closed without updates being made, the directory info is inconsistent with the contents of the file.

Cause:
When the file is initialized, the following information should be updated in the directory to reflect the fact that the file is now empty:

```
   backup bit     - set
   #words         - set to 0
   #records       - set to 0
   max. rec. len. - set to 0
   update time    - set to current time
```

None of these are done, however. If the file is now closed without any FmpWrites being done, the directory will contain the information it had before the FmpOpen was done, even though the file is now empty.

See related SR's #2200-010132 and #2200-000992.

Fix information:

Fixed in A.85. The directory updates are now done correctly.

KPR #: 2200014431 Product: RTE-A 92077A .

Keywords: LIF

One-line description:
LIF will not copy lower case file names

Problem:
LIF will not move file to RTE from LIF if created in lower cas by 9826.

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200015123 Product: RTE-A 92077A 23.40

Keywords: HP-IB

One-line description:
Status word incorrect

Problem:
The EOI bit is not set in status after a read terminates on EOI.

Cause:
After terminating on EOI during a DMA request, the driver clears the EOI while reading the card status.

Fix information:
Will be fixed for the next software release (after A.85)

KPR #: 2200015792 Product: RTE-A 92077A 23.26

One-line description:
WhoLockedRN routine doesn't return correct value

Problem:
The routine WhoLockedRN doesn't work - it always returns a zero.

Cause:
The problem is that, due to a typographical error in the source, the function value of the routine is not set correctly and the default value of zero is returned instead.

Fix information:
Fixed in A.85.

KPR #: 2200016063 Product: RTE-A 92077A 24.01

Keywords: DRIVERS

One-line description:
7974/DD.24 cannot read/write more than 16kbytes

Problem:
The driver can not read or write tapes with records longer than 16 Kbytes.

Cause:
The driver rejects any request longer than 16 Kbytes because records longer than 16 Kbytes will overflow the error correction capability of the tape drives. The drives do have the ability to read records greater than 16 kbytes

Fix information:
The driver will be modified to let the tape drive make the decision as to whether the request can be done. This will allow reads greater than 16 KB to be read, but will not allow greater than 16 KB writes. Will be fixed at the next software release after A.85

KPR #: 2200016105 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:
If D.RTR not sized up, causes unusual FMP errors

Problem:
If the CI version of D.RTR is not sized up when it is loaded, it will not work correctly.

Cause:
When D.RTR runs the first time after boot-up, it checks to see if it has at least 200 words of free memory for file open flags, global directories, etc. If it does, it continues to initialize the free memory. If it doesn't, it returns a -105 error and terminates saving resources (its normal termination). In the latter case, however, when D.RTR is run again, it assumes that free memory is okay and tries to execute normally. This doesn't work, and typical errors will be: -32 error on a known existing cartridge, mounting a disc and it doesn't appear in the cartridge list, etc.

Fix information:
Fixed in A.85.
Now, if there is not enough free memory, D.RTR executes a standard termination, i.e., not saving resources. Every schedule request after that will look to D.RTR like an initial schedule request, so it will re-calculate its free memory size. Therefore, if D.RTR has been sized up in the meantime, it will use the new size. If D.RTR has not been sized up, it will continue to return the -105 error.

KPR #: 2200016212 Product: RTE-A 92077A 23.40

Keywords: FMP

One-line description:
FPACK always sets the backup bit on files that it moves

Problem:
When FPACK moves files around on a disc volume to increase free space,

it sets the backup bit on all the files it moves, whether or not the backup bit was set before. This causes havoc with incremental backups because the backup will include all files moved with FPACK even though they haven't changed since the last backup.

Cause:
The problem actually lies with FmpCopy. FPACK uses FmpCopy with the 'D' option (plus a special option reserved for FPACK) to move the file from one place on the disc to another. The special FPACK option tells FmpCopy to transfer directory information from the original file to the newly created file (time stamps, protection bits, and backup bit). FmpCopy performs the copy by creating a scratch file, copying the data, purging the original file, and renaming the scratch file to the original name. FmpCopy maintains the backup bit okay until the renaming occurs. The problem is that FmpRename unconditionally sets the backup bit on the file (to insure that the new name will be picked up by an incremental backup).

Fix information:
Fixed in A.85.
FmpCopy now explicitly clears the backup bit after the renaming - only if the backup bit was clear in the source, and only if FmpCopy is called from FPACK.

KPR #: 2200016246 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:
If disc goes down during FMGR 'CO', source cartridge may get corrupted

Problem:
When doing a FMGR 'CO' command from one disc cartridge to another, if the destination disc LU goes down, the source cartridge may get corrupted.

Cause:
When D.RTR reads the directory on the destination cartridge, if the disc LU goes down while the read is in progress, the Exec call will abort and the buffer used for the read will become invalid (it will have some garbage in it). D.RTR then exits with a -242 error. However, D.RTR exits before it properly sets up the flags that identify where the internal buffer was read from and whether it contains valid data. In this case, the buffer is left in the state where D.RTR thinks the data is valid and that it points to the source cartridge directory. If the next request to D.RTR is a write access to the source cartridge (and it's a good probability it will be), D.RTR just uses the buffer in memory and writes it to the disc, thereby corrupting the directory.

Fix information:
Fixed in A.85.
D.RTR now invalidates its internal buffer when it gets a -242 error.

KPR #: 2200017087 Product: RTE-A 92077A 24.01

Keywords: VCP

One-line description:
"DSJ" means "Device Specified Jump", not "Disc Specified Jump"

Problem:
On page 4-13 of the A-series Customer Engineer Handbook, the acronym "DSJ" is expanded to "Disc Specified Jump". Actually, this acronym stands for "Device Specified Jump" and means that the device returned a device-dependent error, which may be further defined by the returns in the A and B registers (again, device-dependent).

KPR #: 2200017111 Product: RTE-A 92077A 24.01

One-line description:
Error in IDS00 causes system lockup

Problem:
When multiple device drivers are using IDS00, IDS00 can cause the system to halt.

Cause:
IDS00 uses a variable, #DVXT, to calculate where its storage area is in the DVT extension. Because different drivers have different extension values, IDS00 can pick up an invalid interrupt address in the driver and thus jump of into random areas in memory, which eventually leads to the system halting. This does not happen if separater interface drivers are used for the various device drivers.

Temporary solution:
As a workaround you should generate a different copy of IDS00 for each subsystem that uses it. This will prevent the different values of DVT extension length from interfering.

Fix information:
Will be fixed within two PCO cycles.

KPR #: 2200017251 Product: RTE-A 92077A 24.01

One-line description:
RTAGN cannot create system files larger than 512 blocks.

Problem:
RTAGN cannot create system files larger than 512 blocks. Two problems appear: the system file size specified is not honored (512 is hard-coded), and RTAGN does not explicitly detect its attempt to write beyond the 512th record, so it aborts with a "Illegal file position" error.

Fix information:
Fixed at A.85, 512 blocks is no longer hard coded in.

KPR #: 2200023796 Product: RTE-A 92077A .

One-line description:
User function key on 2623 results in bad buffer

Problem:
2623A attached to 12005A in A700 CPU.
User types 1234567890<backspace><F1> where F1 contains
ABCDEFGHIJKLMNOPQRSTUVWXYZ
IBUF(40) is loaded with:
123456789A~EFGHIJKLMNOPQRSTUVWXYZ
rather than
123456789ABCDEFG etc.
\ /
\ BCD are lost and replaced with a tilde.

Fix information:
Fixed @ 2326.

Signed off 07/05/84 in release 23.26

KPR #: 2200026294 Product: RTE-A 92077A .

Keywords: CLASS I/O

One-line description:
RETHREAD ALTERS BUFFER LENGTH IN A.1

Problem:
When a class rethread is done on a buffer that had its length specified in characters, word 4 of the class request buffer is changed from the number of characters to the number of words. This effectively halves the length of the buffer.

Cause:
When doing a rethread operation with a buffer that was created with the length being specified as a negative number of characters, its length is changed to the equivalent number of words length. When a class get is used on the buffer, and a negative number of characters is given as ILEN the value returned in the B-register is the number of words, not the number of characters.
If all lengths are number of words, there is no problem. Whenever a buffer length is specified as a negative number of characters, when that buffer is rethreaded, the new length stored in word 4 is the number of words, not the number of characters.

Temporary solution:
WORKAROUND: Force all lengths to be in words.

Fix information:
To be fixed on A.85.
The class length is temporarily saved in word 16 of the class block and then restored. This change is in the CLASS module.

KPR #: 2200026617 Product: RTE-A 92077A .

Keywords: MP VIOLATION

One-line description:
A SERIES FAILS ON .XFER FOR INDIRECT ADDRESS

Problem:
TITLE:A SERIES FAILS ON .XFER FOR INDIRECT ADDRESS

Cause:
Problem also exists on A700. .XFER on F/E accepts indirect addresses in the A & B registers. A600 & A700 do not.

Temporary solution:
WORKAROUND: Modify .TDBL to call .DFER instead of XFER. .DFER accepts indirect. Change .TDBL as follows:
1. Change "EXT .XFER" to "EXT.DFER"
2. Change line 30 "SWP" to "DST DPARM" & line 31
"JSB .XFER" to "JSB, .DFER"
3. Add after line 31 "DPARM BSS 2"

Fix information:
Fixed in B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200027862 Product: RTE-A 92077A .

One-line description:
REIO did not check LU number

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200027904 Product: RTE-A 92077A .

Keywords: LINK BASE PAGE

One-line description:
RTE-A LINK DOES NOT PROPERLY LINK TO BASE PAGE EXTERNALS

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200028068 Product: RTE-A 92077A .

Keywords: PIC

One-line description:
Missing bit 7 in PIC control register formal illustration

Fix information:

The problem of the TSTL bit was fixed in the 2nd Edition (Jan. 83) version of the RTE-A Driver Reference Manual.
Fixed. See page 3-100 of second edition (jan 83). 10 Aug 1984 TU

KPR #: 2200028076 Product: RTE-A 92077A .

Keywords: LINDX

One-line description:
LINDX DOES NOT TRUNCATE FILES CREATED WITH -1

Problem:
LINDX does not truncate files created with -1

Fix information:
It is fixed @B.83 for RTE-A LINK.

Signed off 10/04/83 in release 23.26

KPR #: 2200028563 Product: RTE-A 92077A .

Keywords: LINK DOCUMENTATION ERRORS

One-line description:
LINK error message 130 may be misleading

Problem:
LINK reports a "(130) program too big" error when relocating a module which has a length value (wd 7 of nam record) of 177777B. Bit 15 of wd. 7 of NAM record was set by the compiler which generated the relocatable with an unknown module length.
The error message is misleading or should be expanded to include the condition where a program has bit 15 of word 7 of its NAM record set.

Cause:
This wd is generated by early compilers and any HP supplied relocatables (i.e. %KEYS%KYDMP) that have not been recompiled in the recent past will not load w/LINK. LOADR has no problem with these files.

Temporary solution:
Workaround: Load program with LOADR

Fix information:

Tech Pubs Input: Link User's Manual will be updated during A.85 PCO cycle. TU 3/8/84; DP 6/6/84.

KPR #: 2200028712 Product: RTE-A 92077A .

Keywords: LINK DOCUMENTATION ERRORS

One-line description:
LINK allows type 1 programs to be linked

Problem:
LINK seemingly attempts to create memory resident programs.

Cause:
LINK erroneously maintained the program type as 1.

Fix information:
LINK now changes such programs to BG.

Signed off 10/04/83 in release 00.00

KPR #: 2200029520 Product: RTE-A 92077A .

Keywords: DOCUMENTATION ERRORS

One-line description:
SAVST is only used for compatibility with RTE-XL

Problem:
TITLE:SAVST IS ONLY USED FOR COMPATIBILITY WITH RTE-XL.

Cause:
In RTE A.1 the library routine SAVST is merely used for compatability with RTE-XL. The RTE A.1 Programmer's Reference Manual (pg7-7) has not been updated to note the fact, although the Quick Ref. Guide is correct.

Fix information:

Lab text: The library routine SAVST is correctly documented in the RTE-A Tech Specs manual.
T.U. 8/14/84

KPR #: 2200029777 Product: RTE-A 92077A .

Keywords: FMGR

One-line description:
LA command format incorrect

Fix information:

Update 1 (Dec. 1983) adds a second parameter (LA,LU[,DVT] which allows you to reassign the logical unit to the specified device table.

KPR #: 2200030544 Product: RTE-A 92077A .

One-line description:
CN,1,20B did not work with name less than 5 characters

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200030734 Product: RTE-A 92077A .

Keywords: RTE-A

One-line description:
RTIOL does not set $DVIS correctly for async interrupts

Fix information:
To be fixed in A.85.

KPR #: 2200030908 Product: RTE-A 92077A .

Keywords: DD.00

One-line description:
Block mode read not terminated by record seperator

Fix information:
To be fixed on A.85.

KPR #: 2200031153 Product: RTE-A 92077A .

Keywords: FORMC

One-line description:
FORMC 'FO' command aborts with dismount LU message

Problem:
The CS/80 utility FORMC will not allow you to format a CS/80 disc if that's the only media you have. It aborts with the message DISMOUNT LU XX where XX = the LU where FORMC and the swap area are. BUILDing a memory image version is not a workaround since it sees LU's as mounted.

Temporary solution:
Generate a system with LU 2 or 3 and place FORMC on that LU. At boot time, assign the swap area to that LU also. Then FORMC will not abort requiring dismount.

Fix information:
Will be done on A.85 PCO.

KPR #: 2200031260 Product: RTE-A 92077A .

Keywords: RTE-A.1 FTN7X

One-line description:
Missing routines to handle EMA reads in A.1 2213

Problem:
These routines were not supplied with the product for 2213 and 2226.

Fix information:
These routines have been included in $SYSLB and $BIGLB for rev. 2326.

Signed off 07/05/84 in release 22.26

KPR #: 2200031294 Product: RTE-A 92077A .

Keywords: RTE-A

One-line description:
FMGR :ST command should handle indexed files BR

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200031401 Product: RTE-A 92077A .

Keywords: RTAGN NODE LIST

One-line description:
RTAGN doesn't detect bad syntax in node list definition; bad results

Problem:
During the node list definition phase of RTAGN, if a comma is ommited, RTAGN incorrectly interprets what was designated. It omits the LU from the node list completely if it was not preceeded by a comma. RTAGN should flag an error rather than generating the system "incorrectly". For example, NODE 40,41,42,43 will generate a node list including LU's 41, 42, and 43 and a second node list containing LU 40.

Temporary solution:
If, when you load (using LINK, the relocating loader) RTAGN, you relocate %NAMRA as well as %RTAGN, this problem will not occur. %NAMRA comes with your RTE-A.1 operating system software. NAMRA parses for both space and comma, so that all LU's will be added into the same node list. If you choose to use this work-around, %NAMRA must be relocated immediately after %RTAGN, to insure that this parsing routine is actually used.

Fix information:
As part of the B.83 PCO, the routine %NAMRA will be included as part of Fixed in B.83
the relocatable %RTAGN, thus fixing this problem.

Signed off 10/04/83 in release 23.26

KPR #: 2200031492 Product: RTE-A 92077A .

Keywords: MUX-8 CHANNEL POWERFAIL

One-line description:
MUX doesnot recover from power fail

Fix information:
Fixed at C.83

Signed off 07/05/84 in release 23.40

KPR #: 2200031526 Product: RTE-A 92077A .

One-line description:
VL command does not exist

Fix information:

The VL command is no longer documented in RTE-A manuals.

KPR #: 2200031633 Product: RTE-A 92077A .

Keywords: LINDX FMP ERRORS

One-line description:
LINDX returned FMP-011 error

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200031666 Product: RTE-A 92077A .

Keywords: DEC. STRING ARITH

One-line description:
Calls to JSCOM can fail for valid printable characters

Problem:
Calls to subroutine JSCOM fail if the ASCII string contains a left brace {, right brace }, a vertical line |, or a tilde ~ character.

Temporary solution:
Workaround: change one constant in the source code, line 131, to:
N173 OCT -177

Signed off 07/05/84 in release 23.40

KPR #: 2200031815 Product: RTE-A 92077A .

Keywords: !PBV

One-line description:
PBV DOES NOT TERMINATE PROPERLY

Problem:
TITLE:PBV DOES NOT TERMINATE PROPERLY

Cause:
PBV finds a mis-match at end of DISC and aborts. Example: 600-foot tape backing up 7911. PBV reports mis-match at disc block 109774 and tape block 27439.

KPR #: 2200032078 Product: RTE-A 92077A .

Keywords: FMGR

One-line description:
IDRPL works differently on RTE-A.1 and RTE-4B

Problem:
IDRPL results in temporary ID segment. The IDRPL is used to programmatically create an ID segment for a given type 6 file. It is in the library and can be called by a user program.
In A.1 a program revived in this way and then scheduled programmatically after being revived apparently creates only a temporary entry. When execution is terminated (without resources saved nor serially reusable) the ID segment goes away. This also happens if the program is OF`d by a file manager or command level command.
Previous behavior of RTE systems allowed such a loading to be a permanent program.

Fix information:
This was fixed at B.83 in RTE-A. IDRPL has a permanent/temporary option. However, for RTE-A FMPRPPROGRAM should be used not IDRPL.

Signed off 07/05/84 in release 23.26

KPR #: 2200032086 Product: RTE-A 92077A .

Keywords: PRINT LOCK DEVICES

One-line description:
PRINO copies do not lock output devices

Problem:
The PRINO program does not lock the device to which is printing. If the user has placed several print requests in a transfer file the output is totally garbled and interleaved.
PRINO should lock the device to which it is outputting, unless perhaps it is going to a terminal (type 5).

Cause:
The purpose of PRINT/PRINO is to provide a limited spool output capability, but without locking the output LU the output from clone copies of PRINO have their I/O interleaved. Chapter 13 of the RTE-A.1 utilities manual states that the PRINO copies lock the output device to prevent interleaving the print lines. Starting up 2 print-out shows to not be the case.

```
:XQ,PRINT,FILE1,LU
:XQ,PRINT,FILE2,LU
```

Fix information:
To be fixed at A.85

KPR #: 2200032185 Product: RTE-A 92077A .

Keywords: RTE-A.1

One-line description:
Some MNL should describe A.1/6VM differences.

Fix information:

The problem has been addressed in TRANSPAC Power Pack and M/E/F to A upgrade course.

KPR #: 2200032342 Product: RTE-A 92077A .

Keywords: DD.30

One-line description:
Transmission errors during large program transfer

Problem:
Large programs usually bigger than 218 blocks being loaded from the 270kb mini floppy disc will cause an **I/O-TE @Lu32,D,F
work around : Reduce program size to less than 218 blocks.

Fix information:
Fixed at B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200032482 Product: RTE-A 92077A .

One-line description:
LOGLU may return wrong LU

Fix information:
Fixed in B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200032490 Product: RTE-A 92077A .

Keywords: FORMT MICRO-FLOPPY

One-line description:
FORMT CANNOT FORMAT MICRO-FLOPPIES

Problem:
FORMT cannot format a micro-floppy that had never been written before.

Fix information:
The problem is fixed @B.83 by using FORMF utility.

Signed off 10/04/83 in release 23.26

KPR #: 2200054395 Product: RTE-A 92077A 22.01

Keywords: D.RTR FMGR FMGR LOCK DISK
CORRUPTED DIRECTORY

One-line description:
D.RTR CAN SOMETIMES CORRUPT A DIRECTORY IN RTE-A.1

Problem:
SOMETIMES PROGRAMS WHICH USE SCRATCH FILES CAN CAUSE A DIRECTORY TO BE CORRUPTED. THIS IS BECAUSE OF A PROBLEM IN D.RTR. IN SOME CASES, D.RTR DECIDES THAT A CERTAIN DIRECTORY ENTRY CAN BE RE-USED, BECAUSE IT IS AN ENTRY FOR A PURGED FILE. HOWEVER, THAT ENTRY CAN END UP PAST THE LOGICAL END OF DIRECTORY IF D.RTR DECIDES TO PURGE A CLOSED SCRATCH FILE THAT FOLLOWS THE ENTRY TO BE REUSED. THIS RESULTS IN A CORRUPT DIRECTORY, WITH THE DISC LOCKED TO FMGR. THIS PROBLEM WILL NOT OCCUR VERY OFTEN, BECAUSE IT IS RATHER OBSCURE.

Fix information:
TO BE FIXED IN REV B.83.

Signed off 10/04/83 in release 23.26

KPR #: 2200054627 Product: RTE-A 92077A 22.13

Keywords: D.RTR LOCK PROGRAMS

One-line description:
D.RTR CARTRIDGE LOCK CLOSES FILES OPENED TO LOCKING PROGRAM

Problem:
PROBLEM: WHEN A D.RTR CARTRIDGE LOCK IS DONE, ANY FILES ON THAT CARTRIDGE THAT ARE OPEN TO THE LOCKING PROGRAMS ARE CLOSED.

Fix information:
THIS REPORT LOGGED FOR INFORMATION ONLY.

KPR #: 2200054916 Product: RTE-A 92077A 22.13

Keywords: BUILD EMA

One-line description:
RTE-A.1/A BUILD WITH SHARABLE EMA PROGRAMS

Problem:
WHEN ASSEMBLING MEMORY BASED A.1 SYSTEMS WITH SHAREABLE EMA PROGRAMS, BUILD CREATES THE EMA PARTITION IMMEDIATELY FOLLOWING THE PARTITION IN WHICH THE LAST PROGRAM WAS RELOCATED. THIS CAN CAUSE PROGRAMS BUILT INTO THE SYSTEM TO BE UNUSABLE.

Cause:
AS BUILD RELOCATES PROGRAM AND ASSIGNS THEM TO PARTITIONS, THE MEMORY DESCRIPTOR TABLE IS FILLED.

THIS TABLE DESCRIBES EACH PARTITION'S SIZE AND RESIDENT. WHEN THE LAST PROGRAM IS ASSIGNED TO A PARTITION, THE SHEMA MEMORY DESCRIPTOR IS PLACED IN THE MD ENTRY FOLLOWING THE LAST RELOCATED PROGRAMS MD- NOT FOLLOWING THE LAST AVAILABLE PARTITION'S MD.

Temporary solution:
ASSIGN THE LAST PROGRAM RELOCATED TO THE LAST PHYSICAL PARTITION.

Fix information:
To be fixed at A.85.

KPR #: 2200056093 Product: RTE-A 92077A 22.13

Keywords: FMGR INFINITE LOOP

One-line description:
FMGR ON RTE-A.1 GOES INTO AN INFINITE LOOP

Problem:
PROGRAMMATIC SCHEDULING OF FMGR WITH A BAD LU CAUSES FMGR TO GO INTO AN INFINITE LOOP PRINTING OUT AN ERROR MESSAGE.

Fix information:
TO BE FIXED IN REVISION B.83.

Signed off 10/04/83 in release 23.26

KPR #: 2200056168 Product: RTE-A 92077A 22.13

Keywords: VMA VREAD

One-line description:
VREAD CANNOT READ INTO VMA

Problem:
AN ATTEMPT TO DO A VREAD INTO SHARED EMA ABORTS THE PROGRAM WITH AN I004 ERROR (ILLEGAL BUFFER). REGULAR EMA WORKS.
THIS IS ALSO A PROBLEM WITH VWRIT INTO SHARED EMA.

Fix information:
TO BE FIXED AT B.83 WITH RTE-A.

Signed off 10/04/83 in release 23.26

KPR #: 2200056192 Product: RTE-A 92077A 22.13

Keywords: FMGR FMP ERRORS

One-line description:
XQPRG FMP ROUTINE RETURNS ERRONEOUS ERROR

Problem:
XQPRG EXCUTES A SPECIFIED PROGRAM IF THERE IS NO ID SEGMENT FOR THE PROGRAM TO BE EXECUTED. IF THE PROGRAM TO BE EXECUTED HAS AN ID SEGMENT, THE ERROR RETURN PARAMETER IS

SET TO 1 (DUPLICATE PROGRAM NAME).

Temporary solution:
CHECK FOR IERR EQUAL TO 1 AND EXECUTE THE PROGRAM WITH AN EXEC 23 CALL.

KPR #: 2200056259 Product: RTE-A 92077A 22.26

Keywords: SWAPPING WRITE PROTECT BASE PAGE

One-line description:
WRITE PROTECT OF USER BASE PAGE TURNED OFF ON RE-DISPATCH

Problem:
THE WRITE PROTECT BIT (BIT 14) IS SET UPON FIRST DISPATCH OF A PROGRAM FOR THE BASE PAGE. ON SUBSEQUENT DISPATCHES, THE BIT IS CLEARED, AND USER BASE PAGE IS NO LONGER WRITE PROTECTED.

Fix information:
TO BE FIXED IN REVISION B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200056291 Product: RTE-A 92077A 22.13

Keywords: FMP ERRORS SOURCE CRN

One-line description:
FMGR CO COMMAND FIVES FMGR-032 ERROR IF SOURCE CRN NOT SPECIFIED

Problem:
DOING A FMGR CO COMMAND WITHOUT SPECIFYING A CRN FOR THE SOURCE FILE RESULTS IN A FMGR-032 ERROR.

Temporary solution:
SPECIFY A CRN ALWAYS.

Fix information:
TO BE FIXED IN REVISION B.83.

KPR #: 2200056325 Product: RTE-A 92077A 22.13

Keywords: EXEC 26 EXEC ERRORS

One-line description:
SC04 ERROR GENERATED FOR EXEC 26 CALLS SOMETIMES IN RTE-A.1

Problem:
RTE-A.1 EXEC SOMETIMES GENERATES SC04 ERRORS FOR EXEC 26 CALLS.

Cause:
THE EXEC 26 PROCESS CODE IS INCORRECTLY CHECKING THE LOCATION OF THE USER BUFFER.

Fix information:

TO BE FIXED IN REVISION B.83

Signed off 10/04/83 in release 23.26

KPR #: 2200056556 Product: RTE-A 92077A 22.26

Keywords: LINK COMMON SYSTEM COMMON
BLANK COMMON LOCAL COMMON

One-line description:
ACCESS TO LOCAL BLANK COMMON AND SYSTEM COMMON FAILS

Problem:
PROGRAMS WHICH USE LOCAL AND BLANK SYSTEM COMMON AND ACCESS SYSTEM LABELED COMMON ARE NOT LOADED CORRECTLY. THE LOCAL BLANK COMMON IS RELOCATED IN THE WRONG LOCATION. ONE PROGRAM THAT EXHIBITS THIS FAILURE IS QUERY WHEN LOADED WITH REMOTE DATABASE ACCESS.

Temporary solution:
1) USE 2213 LINK, OR 2) CHANGE BLANK COMMON TO LABELED COMMON IN SOURCE.

Fix information:
THIS PROBLEM IS FIXED @B.83.

Signed off 10/04/83 in release 23.26

KPR #: 2200056770 Product: RTE-A 92077A 22.16

Keywords: EMA EXEC ERRORS TYPE 1 FILE
VWRIT

One-line description:
I004 ERROR WHEN WRITING EMA DATA TO TYPE 1 FILE

Problem:
DATA IS WRITTEM FROM EMA TO A TYPE 1 FILE BY CALLING VWRIT. CERTAIN COMBINATIONS OF STARTING ADDRESSES AND BUFFER SIZES IN EMA PRODUCE I004 ERRORS, EVEN THOUGH THE BUFFER IS COMPLETELY INSIDE EMA.

Fix information:
Already fixed in B.83, test program produces no error. Bug fix in code dated 830517; probably for RTE-A release or PCO following.

Signed off 07/05/84 in release 23.26

KPR #: 2200057158 Product: RTE-A 92077A 23.02

Keywords: POWERFAIL DDC12 AUTOR

One-line description:
POWERFAIL/AUTO RESTART WITH DDC12 GENNED IN MAY FAIL

Problem:
A COMBINATION OF THE FOLLOWING WILL CAUSE DDC12 TO CRASH THE

SYSTEM WHEN A POWERFAIL/AUTO RESTART IS DONE:
1. DDC12 GENNED IN, BUT NO I/O CARD PRESENT, OR I/O CARD IS MALFUNCTIONING.
2. DDC12 HAS NEVER BEEN ENTERED WITH A REQUEST.

Cause:
THE SYSTEM, UPON POWERFAIL PROCESSING, WILL DETECT THAT THE I/O CARD IS NOT THERE AND ENTER THE DEVICE DRIVER CONTINUE WITH A NOT READY ERROR CODE. THE DEVICE DRIVER, HAVING NEVER BEEN ENTERED, IS NOT EXPECTING A CONTINUE, AND JUMPS TO AN ADDRESS WHICH HAS NOT YET BEEN INITIALIZED.

Temporary solution:
INSURE THAT DDC12 IS ENTERED WITH REQUEST FOR EACH DVT. PUT A 'CN,{LU}' COMMAND IN THE WELCOM FILE FOR EACH LU GENNED IN FOR DDC12.

Fix information:
The problem was fixed @B.83.

Signed off 10/03/83 in release 23.26

KPR #: 2200057257 Product: RTE-A 92077A 22.26

Keywords: LINK WS VMA

One-line description:
LINK 'WS' DOES NOT WORK ON RTE-6/VM

Problem:
WS,XX CANNOT BE USED TO SET WORKING SET SIZE. LINK IGNORES WS,XX AND SETS TO DEFAULT SIZE. THIS CAUSES THE VMA PROGRAM TO RUN IN THE LARGEST PARTITION (EG. PARTITION NEEDED FOR PASCAL.

KPR #: 2200057521 Product: RTE-A 92077A 23.02

Keywords: !PBV UNDOCUMENTED ERRORS

One-line description:
'FATAL INTERNAL ERROR - CONTACT HP REP' ERROR IN !PBV

Problem:
THE PUSHBUTTON VERIFY PROGRAM !PBV ERROR MESSAGE "FATAL INTERNAL ERROR, MODULE PEXER (104), CONTACT YOUR HP REP" IS NOT DOCUMENTED.

Cause:
THIS IS A PROBLEM IN THE UTILITY. A NONEXISTENT ERROR STATUS 104 IS BEING REPORTED. THE ERROR SHOULD BE 114 WHICH INDICATES "MEDIA IS UNITIALIZED".

Temporary solution:
SEE THE RECOMMENDATIONS FOR THE UNITIALIZED MEDIA ERROR FOR DETAILS AND RUN FORMC TO CERTIFY THE TAPE.

Fix information:
TO BE FIXED AT B.83.

KPR #: 2200057596 Product: RTE-A 92077A 22.13

Keywords: REIO

One-line description:
REIO TRASHES THE BUFFER ON A ZERO LENGTH READ

Problem:
When REIO and XREIO returned, the buffer would be padded with garbage. This happened as a result of doing a class get on the buffer with the length specified as the total size of the buffer. This would copy not only significant information from SAM, but also whatever random trash happened to be left there.

Temporary solution:
MAKE SURE THE BUFFER YOU PASS TO REIO DOES NOT CONTAIN ANY IMPORTANT DATA.

Fix information:
To be fixed on A.85.
REIO and XREIO now do a zer length get to find out how many characters were read. If the length is odd, then they get the last word that will be overwritten by the get. The get is then performed with the proper length and if the length was odd, the right byte of the last word is patched up. In this way, the user's buffer is left the same except for what is read in.

KPR #: 2200057679 Product: RTE-A 92077A 22.26

Keywords: LINDX FMP ERRORS

One-line description:
LINDX GIVES INCORRECT ERROR

Problem:
IF CRN XX IS FULL, AND LINDX IS RUN WITH THE FOLLOWING RUNSTRING:
RU,LINDX,$LIB::ZZ,$LIB::XX
THE FOLLOWING ERROR OCCURS
FMP ERROR -11 $LIB
AN ERROR SHOULD BE PRODUCED WHICH INDICATES THAT THE CARTRIDGE IS FULL. THIS OCCURRED IN RTE-6/VM.

Fix information:
Fixed at B.83.

Signed off 09/20/83 in release A23.26

KPR #: 2200058073 Product: RTE-A 92077A

Keywords: VCP PROM LOADER

One-line description:
PROM LOADER ON A-SERIES CAN FAIL

Problem:
WHEN A SYSTEM IS GENERATED WITH BUILD, THERE ARE TWO WORDS TO DESCRIBE THE SYSTEM. THE FIRST IS THE NUMBER OF 32K BLOCKS, THE SECOND IS NUMBER OF WORDS AFTER THE LAST 32K BLOCK. IF THE SECOND VALUE IS ZERO, THE A SERIES VCP PROM LOADER WILL FAIL.

Temporary solution:
PATCH THE SYSTEM AFTER RUNNING BUILD TO DECREASE THE NUMBER OF 32K BLOCKS BY ONE AND SET THE NUMBER OF WORDS AFTER THE LAST 32K BLOCK TO 100000B (-32768).

Fix information:
Fixed C.83.

KPR #: 2200058297 Product: RTE-A 92077A 22.13

Keywords: FMGR SEVERITY CODE

One-line description:
FMGR PA COMMAND FAILS TO PROCESS MESSAGE

Problem:
IF THE SEVERITY CODE IN EFFECT IS ANYTHING BUT ZERO, THE OPTIONAL MESSAGE IN THE FMGR 'PA' COMMAND IS NOT SENT TO LU 1.

Temporary solution:
AS A WORKAROUND, USE THE FOLLOWING TO DISPLAY THE OPTIONAL MESSAGE:
:DP,MESSAGE
:PA

Fix information:
To be fixed on A.85.

KPR #: 5000001719 Product: RTE-A 92077A 00.00

Keywords: GEN RECORDS

One-line description:
Disc space not fully use on 7914 if uses default gen records

Problem:
LU 17 ON THE 7914 STARTS AT BLOCK 341,272. THE LU IS 904 TRACKS BIG OR 43,392 BLOCKS BIG. LU 17 IS LAST DEFINED LU ON THE 7914. THIS MEANS THAT 384,665 BLOCKS (341,272+43,392 BLOCKS) ARE DEFINED ON THE 7914. THERE ARE 516,095 BLOCKS ON A 7914. IF ONE USES THE DEFAULT GEN RECORDS, 131,430 BLOCKS ARE UNDEFINED.

Fix information:
Fixed at B.83

Signed off 07/05/84 in release 23.26

KPR #: 5000001891 Product: RTE-A 92077A 00.00

Keywords: EMA

One-line description:
Shareable EMA programs declaring different EMA size aborted with EM82

Problem:
If the programs sharing an EMA partition declare different EMA sizes, in some cases the programs will be aborted with EM82 errors although all EMA accesses are within the size declared by the program. This is manifested if the first program using shared EMA declares a smaller size than programs run subsequently. Once the sharable EMA partition has been allocated, its size is fixed.

Fix information:
To be fixed at A.85.
If the shareable EMA partition has already been allocated, any program which is subsequently scheduled and has an EMA size too large for the partition will be aborted with an EM90 error - shared EMA partition too small.

KPR #: 5000002402 Product: RTE-A 92077A 00.00

One-line description:
System Library routine SYCON doesnot work

Fix information:
Fixed at B.83

Signed off 07/05/84 in release 23.26

KPR #: 5000002469 Product: RTE-A 92077A 23.01

Keywords: RTE-A

One-line description:
No index entries in RTE-A.1 Utilities Manual for PBV

Fix information:

Index entries added to RTE-A Utilities manual, as of A.85 PCO cycle.
Index entries in question added in Update 2 at A.84

KPR #: 5000002485 Product: RTE-A 92077A 23.26

Keywords: LINK

One-line description:
LINK leaves output file on EMA overflow

Problem:
When loading a very large program (for example, QUERY) if an EMA overflow occurs, LINK terminates. Upon termination LINK should clean up after itself, but it does not and leaves the output file created, but unusable. This creates problems if LINK was run in a batch mode because a type-6 file will be present, but unusable if the transfer file was

sufficiently large to cause the diagnostics to scrolled of the CRT. LINK should purge an output file if it does not create executable type-6 code.

Fix information:
To be fixed at A.85.

KPR #: 5000002881 Product: RTE-A 92077A 23.26

Keywords: POWERFAIL

One-line description:
Powerfail doesnot work

Cause:
This problem had two causes:
1. A TBG race condition in the A600 which caused the TBG to run fast.
2. Software problem in IOMOD in handling TBG ticks and turning interrupts back on too early permitting destruction of the TBG processing return address.

Fix information:
Fixed at C.83

KPR #: 5000002915 Product: RTE-A 92077A 23.26

Keywords: CI

One-line description:
12 deep command stack for CI is too small

Fix information:
Fixed in C.83 to 100 deep.

Signed off 07/05/84 in release 23.40

KPR #: 5000002980 Product: RTE-A 92077A 23.26

Keywords: CI

One-line description:
Unable to purge a directory

Problem:
It is possible to create an illegal directory name and then be unable to purge it.

Cause:
Due to a user misunderstanding, the following command was entered:

```
CI> CRDIR ::AIM.DIR 1u
```

This caused the directory entry to be created with the name "AIM.DIR." which resided on the same LU as the correct entry of AIM.DIR (entered after the above). This created a situation where CI referred to the two directory names interchangeably and it was impossible to purge the incorrect entry. The only way to resolve the problem was to do a TF back

up of the files on the tape, re-initialize the cartridge and re-load the files to a properly initialized directory on the disc. Since the syntax entered by the user above was incorrect, it should have never passed muster and therefore should have created an error message.

Temporary solution:
In some cases, the difficulty in purging comes from the masking routines used by CI's PU command. A user-written program which does an FmpPurge call might be able to purge the file when CI's PU command can't.

Fix information:
Fixed in A.85.
Checks are now made to disallow the characters '.' or '/' in the type extension of a file, or in the name of a global directory when they are created.
Duplicate SR#: 2200-013060; 2200-012773; 5000-017657; 2200-014845; 5000-034991; 5000-028704; 2200-013086; 2200-012765; 2200-012708; 2200-013888.

KPR #: 5000003061 Product: RTE-A 92077A 23.26

Keywords: RTE-A

One-line description:
PK cmd (with no CRN specified) fails if CI volumes in cart. list

Problem:
PK fails in combined CI/FMGR environment.

Cause:
If a FMGR 'PK' command is given, without any cartridge references, then if any CI volumes are encountered in the cartridge list during the packing operation, FMGR quits. The FMGR 'PK' command should work as documented and be intelligent to skip over the CI volumes and leave them untouched.

Temporary solution:
Workaround is to use a FMGR transfer file containing a separate 'PK,crn' command for each crn.

KPR #: 5000003152 Product: RTE-A 92077A 23.26

Keywords: POWERFAIL

One-line description:
Powerfail and auto-restart leave the CS/80 disc down

Problem:
When a Model/6 system with powerfail/auto-restart successfully survives the shutdown and restarts as far as memory integrity goes, all of the LUs associated with the 7908 are 'downed'. Operator intervention is required with an 'UP,lu' to every logical unit assigned to the drive before operation can continue.

Cause:
The CS/80 drive hasn't finished its self test when the I/O transaction

is restarted.

Temporary solution:
A workaround is to use the supplied source code for AUTOR, scan for down disc devices and issue "UP,lu" commands using MESSS calls.

Fix information:
To be fixed at A.85.

KPR #: 5000004507 Product: RTE-A 92077A 00.00

Keywords: DOCUMENTATION ERRORS

One-line description:
MESSS requires commas - this should be stressed in manual

Fix information:
At A.85, the following sentence will be added on page 7-10 under the description of the BUFR parameter: "Parameters in the command string must be separated by commas."

KPR #: 5000005843 Product: RTE-A 92077A 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
LINK Error 112 (Illegal MR) needs further information

Fix information:

Link manual will be fixed during A.85 PCO cycle.

KPR #: 5000007047 Product: RTE-A 92077A 23.26

Keywords: CLASS I/O RTE-A

One-line description:
Class cancel using CLRQ in RTE-A rev. 2326 does not work.

Problem:
CLRQ cancel, function 3, on RTE-A rev 2326 does not work.

Cause:
Some bugs were found in %RTIOA and %CLASS of rev 2326.

Temporary solution:
Two correct modules, %RTIOA and %CLASS of rev 2340 are in SEAS. The SE can get the modules and fix the problem.

Fix information:
It will be fixed @C.83.

KPR #: 5000010710 Product: RTE-A 92077A 23.26

Keywords: LINK

One-line description:
Link sets the common block data to 0 in RTE-A

Problem:
Common blocks are set to zeros.

Fix information:
Will be fixed in A.85.

KPR #: 5000012708 Product: RTE-A 92077A 23.26

Keywords: VCP

One-line description:
Break on non-VCP terminal can hang system.

Problem:
SYSTEM HANG OCCURS IF BREAK PRESSED ON NON-VCP TERMINAL IN A VC+
SYSTEM. IF BREAK IS PRESSED AGAIN, THE SYSTEM WILL COME BACK.
THIS OCCURS ONLY IF THE TERMINAL IS ON AN ASIC CARD.

Temporary solution:
WORKAROUND: THE BREAK F/F CAN BE CLEARED BE ISSUEING EITHER AN OTA 32B
OR A LIA 32B TO THE ASIC. THE LIA 32B IS PROBABLY
PREFERABLE, AS IT DOES NOT RESET ANYTHING ELSE ON THE CARD,
WHEREAS A OTA 32B DOES A CARD RESET.

IN ID.00 AT LABEL CONT4 ADD THE FOLLOWING CODE:

```
CONT4   STA $IF5,I
        LIB 32B     *ADDED*
```

Fix information:
This will be fixed in A.85.

KPR #: 5000020495 Product: RTE-A 92077A 23.26

One-line description:
Frequent short write to a port can monopolize the mux

Fix information:
Fixed at A.85.

KPR #: 5000023325 Product: RTE-A 92077A 00.00

Keywords: TF

One-line description:
TF group command does not work (internal error) if you specify clear (C)

Problem:
TF GROUP COMMAND DOES NOT WORK IF YOU SPECIFY ÇLEAR(C) OPTION
ON ONE OF THE DIRECTORIES.

THE FOLLOWING TF COMMANDS PRODUCE AN ERROR;

```
GR
CO /SYSTEM/@.@ 8
CO /HELP/@.@ 8 C
EG
```

GIVES AN ERROR 'FILE NAME TOO LONG OR INTERNAL ERROR AT 32317
LAST SEGMENT LOADED WAS TF001
DATA WRITTEN TO TAPE ENDS ABMORMALLY.
IT ALSO GIVES THE SAME ERROR ON A FMGR FILE IF YOU GROUP IT IN
WITH THE ABOVE. WHAT WILL WORK IS THE FOLLOWING.

```
GR
CO /SYSTEM/@.@ 8 C
CO /HELP/@.@ 8 C
CO /16/@.@ 8 C            (THIS IS A FMGR VOLUME)
EG
```

KPR #: 5000025338 Product: RTE-A 92077A 00.00

Keywords: RUN STRING

One-line description:
Spaces parsed as commas in runstring. This causes problems with Pascal.

Problem:
UNDER THE RTE-A FILE SYSTEM, SPACES ARE PARSED AS COMMAS.
THIS CAUSES PROBLEMS WITH SOME PASCAL COMPILER OPTIONS PASSED
IN THE RUN STRING(EG $LINES 43$) SINCE THE SPACE IS REPLACED
WITH A COMMA.

Cause:
THIS PROBLEM OCCURS WHEN SPECIFYING THE OPTION IN THE RUN-
STRING. AS A WORKAROUND THE OPTIONS CAN BE SPECIFIED IN
THE SOURCE FILE OR IN AN OPTION FILE.

Fix information:
Fixed in A.85.

KPR #: 5000039388 Product: RTE-A 92077A 00.00

One-line description:
TF times out on half-full 7974 mag tape incremental backup

Fix information:
Will be fixed at A.85 revision.

KPR #: 5000039412 Product: RTE-A 92077A 00.00

Keywords: FMP

One-line description:
wd doesn't report subdirectory correctly if global dir 16 chars long

Problem:
IF YOU HAVE A 16 CHARACTER GLOBAL DIRECTORY, YOU CANNOT SET THE WORKING
DIRECTORY TO A SUBDIRECTORY IN THAT GLOBAL DIRECTORY.

KPR #: 2200000182 Product: RTE-A MANUALS 92077 MANUAL 22.26

One-line description:
INCORRECT CABLE PARTS INFORMATION (12029A) IN ID.52 DRIVER MANUAL

Fix information:
Page 3-101 changed in Driver Reference Manual (part no. 92077-90011) to: This driver requires two 12006A pic cards connected by interface cableing using the 48 pin, HP supplied connector kit. Correction made for A.85.

KPR #: 2200000356 Product: RTE-A MANUALS 92077 MANUAL 23.01

Keywords: DOCUMENTATION ERRORS

One-line description:
RTE-A.1 QUICK REF GUIDE. EXEC-12 TIME RESOLUTION MSEC SHOULD BE 10 M-SEC

Fix information:
WILL BE FIXED IN A.85 REV.

KPR #: 2200000455 Product: RTE-A MANUALS 92077 MANUAL 23.01

Keywords: CONFIGURATION DOCUMENTATION ERRORS

One-line description:
RTE-A.1 CS/80 DISC CONFIGURATION HAS INCORRECT INFORMATION IN THE MANUAL

Fix information:

The 7911 CS/80 Disc Model 5 data will be corrected in Appendix E of the RTE-A System Generation Manual (92077-90034) during the next update cycle.

KPR #: 2200000844 Product: RTE-A MANUALS 92077 MANUAL 23.01

Keywords: RTE-A.1

One-line description:
RTE-A.1 system generaton guide documenation error

Fix information:

The RTE-A.1 manual set has been superseded by RTE-A. DVT terminal driver entries in Appendix G (92077-90034 Sysgen Manual) are correct for RTE-A.

KPR #: 2200001040 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: RTE-A

One-line description:
PU walks the directory tree in the wrong order

Problem:
PU walks the directory tree in the wrong order.

Cause:
PU walk the directory tree to be purged in the wrong order. This causes it to try (unsuccessfully) to purge directories before they are empty. The manual should explain this idiosyncracy and how to get around it.

Temporary solution:
Repeat the command until all directories are empty and can be purged.

KPR #: 2200003871 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: FMP

One-line description:
Documentation unclear on FMPINITMASK, FMPNEXTMASK and FMPMASKNAME

Fix information:
Text for FmpInitMask and FmpNextMask will be changed at A.85 to make the relationship between parameters diropenname (FmpInitMask) and curpath (FmpNextMask) clearer.

KPR #: 2200006023 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: RTAGN

One-line description:
TERMINAL-LESS SYSTEM SAMPLE GENERATION ANSWER FILE REQUEST ON RTE-A

Fix information:

References to sysgen of a terminal-less, memory based system have been added to the RTE-A System Generation Manual, 92077-90034. They will also be added to the DS/1000-IV System Manager's Manual, 91750-90010, during the next update cycle.

KPR #: 2200014910 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: FMP

One-line description:
FmpRead/Write: for length > 32767, have to subtract 65536, not 65534.

Problem:
In the descriptions of the FmpRead and FmpWrite routines in the RTE-A Programmer's Ref. Manual and the RTE-6 CI User's Guide, an explanation is given concerning how to enter byte lengths greater then 32767. The explanation is incorrect.

Cause:
In order to specify a number greater than 32767, the number has to be passed to FmpWrite/Read as an unsigned 16-bit integer. Since Fortran treats all its integers as signed 16-bit integers, the manual supplies a trick for creating a negative number which is the equivalent of the unsigned integer you want. It suggests subtracting 65534 from your number and using the resulting negative number. This is correct, except that you have to subtract 65536, not 65534. If 65536 is used, the number comes out okay.

KPR #: 2200014928 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: FMP

One-line description:
FmpRecordLen returns length in words, not bytes.

Problem:
The RTE-A Programmer's Ref. Manual and the RTE-6 CI User's Guide state that the routine FmpRecordLen returns the length in bytes of the longest record (for file types 3 or greater). Actually, it returns the length in words.

KPR #: 2200029512 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: FLOPPY DISK

One-line description:
FORMT with zero fill sectors causes errors

Problem:
Use "FORMT" to format a 5-1/4 in. floppy using zero fill sectors. Copy an executable program file to the newly formatted disc. Run the program. The following error message is printed: **I/O-TE@LU32,D,F.

The RTE-A.1 Utilities manual (92077-90004) states on page 8-4 that the number of fill sectors can be between 0 and 28.

Cause:
I think the problem is confusion between the concepts of fill sectors and interleave. In general, fill sectors = interleave - 1. FORMT is expecting interleave and so a value of zero is meaningless.

Temporary solution:
When formatting mini-floppies, enter "1" for number of fill sectors.

Fix information:

The Utilities Manual (92077-90004) will be updated during the next PCO cycle. On page 5-37, all references to fill numbers or fill values will be changed to interleave numbers or interleave values. The examples on this page will also change so that the user does not end up with an interleave value of zero.

KPR #: 2200031468 Product: RTE-A MANUALS 92077 MANUAL 23.26

Keywords: LINDX

One-line description:
LINDX references library %LNKRA, manual does not indicate

Fix information:

Loader command files are now supplied with product.
Will be fixed during A.85 PCO cycle. TU 2/10/84, DP 6/6/84

KPR #: 5000007724 Product: RTE-A MANUALS 92077 MANUAL 00.00

Keywords: RTE-A/VC+

One-line description:
SplitString and TrimLen treat nulls in strings like normal characters

Problem:
In all the subroutines that handle Fortran character strings, such as TRIMLEN, SPLITSTRING, and the FMP routines, null characters (integer zeroes) are treated like regular ASCII characters. For instance, the TRIMLEN result on the string "ABC<null><null><blank><blank>" will be five. Character strings should be initialized to blanks before being used. The FMP manuals and the Relocatable Libraries Reference Manual should have a warning about this somewhere.

KPR #: 5000009035 Product: RTE-A MANUALS 92077 MANUAL 23.26

One-line description:
EXEC 19 call is missing from the RTE-A Quick Reference Guide

Fix information:

EXEC 19 call will be added to the next update of the RTE-A QRG.

KPR #: 5000036731 Product: RTE-A MANUALS 92077 MANUAL 23.26

One-line description:
Documentation Error in RTE-A Quick Reference Guide

Problem:
DOCUMENTATION ERROR ON PAGE K-5 OF THE RTE-A QUICK REFERENCE GUIDE.
BIT 8 OF WORD $DVT6 IS INCORRCTLY SHOWN AS PART OF THE STATUS FIELD.
IT SHOULD BE PART OF THE DEVICE TYPE FIELD.

Temporary solution:

The table below reflects the corrections that will be made to the Device Table Format in the RTE-A QRG during the next update.

DEVICE TABLE FORMAT

	CURENT DEVICE FIELD	CHANGE TO THIS FIELD
$DVT 6 Bit 8	Status	Device Type
$DVT 9 Bit 8	Low Buff Limit/16	(High-Low) 16
$DVT 15 Bit 5	XX	NB
$DVT 21 Bit 9	#Extension Words	# Drive Parameters

KPR #: 2200001024 Product: RTE-A/VC+ 92078A 00.00

Keywords: RTE-A

One-line description:
If user types in his defaulted name error occurs

Problem:
When the USERS program is updating a user, and the new logon name entered is the same as the original logon name, USERS tries to open a file which it already has open. This results in an FMP error and USERS terminates.

Fix information:
To be fixed at A.85.
Check if the new logon name is the same as the old. If so, display message to the user and repromt for input.

KPR #: 2200002998 Product: RTE-A/VC+ 92078A 23.26

One-line description:
Memory-locked code segment being overlaid

Problem:
The code segment fault uses a round-robin algorithm when overlaying code blocks. There are two exceptions to this rule:
1) a memory-locked segment is not overlayed
and 2) the block containing the segment creating the fault is not overlaid.
However, exception 2 takes precedence over exception 1, which means memory-"locked" segments are not really locked.

Fix information:
To be fixed at A.85.
Refine code segment fault algorithm.

KPR #: 2200003731 Product: RTE-A/VC+ 92078A 23.26

Keywords: VMA

One-line description:
Error return from .PMAP type entry to VMA fails from CDS code.

Fix information:
To be fixed on A.85.

KPR #: 2200004069 Product: RTE-A/VC+ 92078A 23.26

Keywords: CI

One-line description:
CI cannot log off non-super-users

Fix information:
To be fixed in A.85.

KPR #: 2200004168 Product: RTE-A/VC+ 92078A 23.26

Keywords: LINK

One-line description:
LINK doesnot clean up type 6 file when aborted

Problem:
If LINK is "broken" (BR,LINK) and N is answered to the contine question then LINK does not clean up the type 6 file it created when it does it's abort processing

Fix information:
To be fixed at A.85.

KPR #: 2200004176 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A

One-line description:
ATACH/ATCRT should be 1 call

Fix information:
Tech Pubs. Text changed on page 6-1 of Relocatable Libraries Manual (part no. 92077-90037) to read:
For RTE-A only
"If the ATACH'ed program is not a system utility, that program's termminal LU changes to coincide with a new session LU number.
If the ATACH'ed program is a system utility, you can change your terminal LU by following the ATACH call with a ATCRT call."

KPR #: 2200004200 Product: RTE-A/VC+ 92078A 23.26

Keywords: CI

One-line description:
No implied run for program name start with ? on CI

Fix information:
To be fixed on A.85.

KPR #: 2200005678 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A/VC+

One-line description:
Have LINK error 166 when loading CICDS of B.83

Fix information:
Fixed at C.83

KPR #: 2200006650 Product: RTE-A/VC+ 92078A 23.26

Keywords: LINK

One-line description:
Link can incorrectly link CDS Macro code

Problem:
Link can incorrectly link CDS code. In the example program (on file) link puts current page links in the code, and the loadmap reflects this. However, a listing of the type-6 file shows that no such code break exists. Consquently, since the subroutines are small (smaller than the code break) a PCAL to one routine will actually wind up calling a different routine. Not Good. jk

Cause:
This occurs when a multi-page module (nam-end pair) had multiple entry points which were called using the PCALV (variable PCAL) mechanism. This can happen in the language C, for example, when a function from an array of functions is called.

Fix information:
To be fixed at A.85

KPR #: 2200007021 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A

One-line description:
RTE-A/VC+ system crash when outputting to mux

Cause:
This is a bug in IDM00. IDM00 must not get ($oner) the last word of the buffer when the length of the write equals zero.

Fix information:
Fixed at C.83.

KPR #: 2200007450 Product: RTE-A/VC+ 92078A 23.26

One-line description:
Spool system program OUTPT aborts with RN03 error.

Cause:
The RN03 abort occurs because the OUTPT program uses data from the spool file to make an EXEC request without verifying the data first. In this case, a default spoolfile (name like OUTSPOOLnn.SPL::SPOOL) does not contain the header information like default spoolfiles are supposed to. It is not known if the file is created improperly or somehow loses the header during its life. Raw ASCII data is interpreted by OUTPT as header information, causing an EXEC-32 request to be issued rather than the usual EXEC-1,2,or 3.

KPR #: 2200008268 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A/VC+ SPOOLING

One-line description:
SOME USERS CAN'T SPOOL ON A SYSTEM WITH MANY USER ACCOUNTS.

Fix information:
FIXED AT A.84. -J.Y.

KPR #: 2200011031 Product: RTE-A/VC+ 92078A 23.26

Keywords: CI SAM

One-line description:
Unexpected interrupts can fill SAM.

Problem:
RTE appears to hang. The user can get an RTE (system) prompt but is unable to execute any commands or run any programs.

Cause:
When an unexpected interrupt occurs PROMPT will schedule either LOGON in a VC+ system or CI in a non-VC+ system. LOGON/CI then write a prompt message to the terminal. If the terminal if powered off or disconected the message will be queued in SAM. When another interrupt occurs this will be repeated. Eventually SAM is filled with prompts. Once SAM fills everyone (including CI and CIX) go memory suspend.

Fix information:
To be fixed at A.84 adendum.

Signed off 12/13/84 in release A23.41

KPR #: 2200011395 Product: RTE-A/VC+ 92078A 23.40

Keywords: MESSS

One-line description:
MESSS does not check superuser correctly every time.

Fix information:
MESSS shouldn't use $CON for $XQLU. Instead the user id session pointer should be fetched from $OWNR. 11 should be added to this to point to the session # or lu of the user. This value should then be copied into $XQLU. This fix will be incorporated into A.85 release.

KPR #: 5000005520 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A/VC+ SPOOLING

One-line description:
The spooling doesn'nt work properly on 'NC' option

Problem:
In spooling out a file using the "NC" option, the spooling package inserts characters at the end of the line. I created a file that contains the following information: 1
12
123
1234
12345
123456
1234567
12345678
123456789

Then using the commands "SP ON 6 ,, NC"
"CO file 6"
"SP OF 6"

I got these results: 1 L
12L
123 N
1234N
12345 O
1234560
1234567 S
12345678S
123456789 L

Fix information:
Fixed for A.84 PCO.

KPR #: 5000006379 Product: RTE-A/VC+ 92078A 23.26

Keywords: RTE-A/VC+ CDS

One-line description:
CDS prog canbe forced into a parti too small and ovfl into next parti

Problem:
The OS relies on the number of code blocks specified in the ID segment skeleton to equal the number of code segments in the program if the AL bit is set. Link does not do this.

Fix information:
To be fixed at A.85.
The OS now looks at the number of code segments field if the AL bit is set. Specifying 'AL' to the CD command will now set the Al bit.

KPR #: 5000009746 Product: RTE-A/VC+ 92078A 00.00

Keywords: RTE-A

One-line description:
Inconsistent 23B inf of 8-chal mux in RTE-A driver ref manual

Fix information:
The RTE-A Driver Reference Manual (part no. 92077-90011) will be fixed in A.85.

KPR #: 5000010108 Product: RTE-A/VC+ 92078A 00.00

Keywords: RTE-A

One-line description:
%ERLOG should be able to be left out in RTE-A sys gen to mak sys smaller

Problem:
The entry point ITLAF is missing from %ERL.., the dummy ERLOG module. An undefined results if ERLOG is not included.

Fix information:
To be fixed at A.85.
Fix dummy module so ERLOG can be omitted from RTE-A systems.

KPR #: 5000013425 Product: RTE-A/VC+ 92078A 00.00

Keywords: LOGONPROMPT

One-line description:
Without having LogonPrompt file, the user can not get into VC+ system

Fix information:
PROMPT will be changed to use a default log on message of "PLEASE LOG
Will be fixed at A.85 PCO
ON" if a problem is detected with the LOGONPROMPT file.

KPR #: 5000011866 Product: RTE-A/VC+ MANUALS 92078 MANUAL 00.00

Keywords: RTE-A

One-line description:
Quick Ref Guide should include all VCP errors

Fix information:

The HLT 2 error code listed in the RTE-A QRG is a running BOOTEX error code generated by RTE. What is missing are two halts generated by by BOOTEX while attempting to boot. The following BOOTEX generated halt error codes will be added to the QRG during the next update.

BOOTEX HALT ERROR CODES

1 Can't mount disc; can't open boot cmd file; illegal use of shared partition for SHEMA. Bootex will usually try to print an error message prior to HLT 1

2 Problem with snap or system file (can't open, read/write error).

Under the section for LOADER ERRORS (In response to %B or %L) will be added Magnetic Tape Loader Errors (510-560) and HP 12022A Disc Interface Time-out Errors (610-660).

KPR #: 2200020701 Product: RTE-L W/PROGRAMMING 92070A

Keywords: DOCUMENTATION ERRORS ID.00

One-line description:
Driver Reference Manual documentation error

Problem:
Page 3-8 & 3-9 of the Driver Reference Manual, under the section dedicated to ID.00, contains information required for specifying the ASIC control word. In particular, the description of the reference settings for the four incoming modem control lines (i.e. Receiver Ready reference, Incoming call reference, clear to send reference & Data Mode reference) specifies setting the appropriate bit to indicate the reference ON, clearing it for OFF.

```
  e.g.  1 = Receiver Ready ON     \____bottom of page 3-8
        0 = Receiver Ready OFF    /
            (default condition)
```

This conflicts directly with similar information supplied in the 12005A ASIC Reference Manual, where, on page 3-5, the opposite bit settings are given (i.e., 1=OFF, 0=ON).

Fix information:
Text changed on page 3-8 and 3-9 of Driver Reference Manual (part no. 92077-90011) to reflect page 3-5 of ASIC manual. Change made for A.85.

KPR #: 2200049817 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: LOADR

One-line description:
RTE-L LOADR FAILS TO DETECT MEMORY OVERFLOW

Problem:
THE RTE-L LOADR FAILS TO DETECT A MEMORY OVERFLOW.

Cause:
CONSIDER A PROGRAM THAT IS TOO LARGE FOR THE CURRENT SYSTEM. THE LOADR OUTPUT WOULD LOOK LIKE THIS:

```
              RE,%PRG
              PRG     41124  110176   30
```

THE PROGRAM HAS GONE BEYOND ITS 32K LIMIT, BUT NO ERROR WAS REPORTED.

Fix information:
Fixed 2040.

Signed off 07/05/84 in release 20.40

KPR #: 2200050260 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: ID.50

One-line description:
ID.50 PROGRAM SCHEDULE ENABLE DOES NOT POST ERROR CORRECTLY

Problem:
ID.50 CAN BE ENABLED TO SCHEDULE A PROGRAM UPON RECEIPT OF AN ASYNCHRONOUS (IE. UNSOLICITED) INTERRUPT. THE PROGRAMMER DOES AN EXEC 3 CALL WITH A SUBFUNCTION OF 20B TO ENABLE PROGRAM SCHEDULING. IF THE PROGRAM NAME (SUPPLIED WITH THE EXEC CALL) DOES NOT HAVE AN ID-SEGMENT, AN ERROR MESSAGE SHOULD BE RETURNED TO THE PROGRAMMER. INSTEAD, THE DRIVER RETURNS A SUCCESSFULL COMPLETION STATUS.

Cause:
THE DRIVER RETURNS DVT16=0 INSTEAD OF DVT=140001B.

Temporary solution:
THERE IS NO EASY RELOCATABLE PATCH BECAUSE OF LINKING. FOR THOSE WHO HAVE SOURCE CODE THE FOLLOWING SOURCE PATCH COULD BE USED.

```
          OLD CODE                  NEW CODE
    102R  LDA RQERR           102R  LDA RQERR
    103R  JMP STTUS           103R  JMP STTUS+1
```

KPR #: 2200050310 Product: RTE-L W/PROGRAMMING 92070A 20.26

Keywords: ID.37 HP-IB

One-line description:
HP-IB CLEAR AND RESET DEVICE CALL DOES NOT SEND 'DCL'

Problem:
THE CLEAR AND RESET DEVICE CONTROL FUNCTION IS SUPPOSE TO ISSUE AN 'IFC' FOLLOWED BY A 'DCL'. (IE. EXEC(3,BUSLU,PARM1) , PARM1=1) THE 'IFC' DOES GET ASSERTED, BUT THE 'DCL' NEVER GETS SENT OUT OVER THE BUS.

Cause:
ID.37 PROGRAMS PHI REGISTER 6 TO ASSERT 'IFC', AND EXITS TO THE SYSTEM WITH A TIMEOUT OF 1 TBG TICK. WHEN RE-ENTERED, ID.37 RESETS PHI REGISTER 6 AND PROGRAMS PHI REGISTER 0 TO OUTPUT A 'DCL' VIA THE OUTBOUND FIFO. THE DRIVER THEN TAKES A COMPLETION EXIT. FOR SOME REASON (EITHER TIMING OR INCORRECT SETTINGS IN R31 OR WHO KNOWS WHAT) THE DATA IS NEVER TRANSMITTED OVER THE HPIB BUS.

KPR #: 2200050856 Product: RTE-L W/PROGRAMMING 92070A 20.40

Keywords: DRIVER PARAMETERS DOCUMENTATION ERRORS

One-line description:
DRIVER PARAMETERS NOT COMPLETELY DOCUMENTED

Problem:
THE DRIVER PARAMETERS FOR A DEVICE TABLE ARE NOT DOCUMENTED WHEN THE DEVICE ONLY HAS AN INTERFACE DRIVER (IE. THE DVT FOR ID.50). ALSO, THERE IS

NO DESCRIPTION OF THE DRIVER PARAMETERS NEEDED TO DRIVE A "DUMB" TERMINAL UNDER DD.00.

Cause:

EVERY DVT ASSOCIATED WITH ID.50 MUST BE GENERATED WITH TWO DRIVER PARAMETERS (SEE THE PRIMARY ANSWER FILE FOR AN EXAMPLE). THE USE OF THESE PARAMETERS ARE DESCRIBED IN THE DRIVER REFERENCE MANUAL UNDER FUNCTION CODE 40B OF ID.50 AND THE PIC HARDWARE MANUAL (CONTROL REGISTER). TO PROPERLY CONFIGURE A DUMB TERMINAL INTO AN RTE-L/XL SYSTEM, DRIVER PARAMETERS ONE AND THREE NEED TO ZEROED OUT. REFER TO THE DRIVER REFERENCE MANUAL FOR A DESCRIPTION OF THE DRIVER PARAMETERS.

Temporary solution:
MAKE SURE EVERY DVT USING ID.50 HAS TWO DRIVER PARAMETERS GENERATED INTO THE SYSTEM (IE. DX:2).

Fix information:
New information will be added to the description of ID.50 and ID.52 defaults during the next update of the RTE-L General Requirements for Drivers Manual.

KPR #: 2200051300 Product: RTE-L W/PROGRAMMING 92070A 1/.81

Keywords: DRIVER WRITING DOCUMENTATION ERRORS

One-line description:
L/XL DVR WRITING MNL IMPLIES INCORRECT B REGISTER ON PRIVILEGED DRIVERS

Problem:

THE LISTING OF THE SAMPLE PRIVILEGED DRIVER (ID.51) HAS A MISLEADING COMMENT ON PAGE 9-6. THE 12TH LINE UP FROM THE BOTTEM SHOULD BE CHANGED TO:
* ENTER IOC WITH THE B-REGISTER POINTING TO IFT WORD 1 *
THE CODE IS CORRECT, BUT THE COMMENT IS INCORRECT.

Cause:

THE FIRST THING RTE-L/XL DOES AT $PDON IS TO TAKE THE DRIVER OUT OF THE TIME OUT LIST USING THE B-REGISTER AS A POINTER TO IFT WORD ONE (IE. THE TIME OUT LINKAGE). THE SYSTEM ALSO USES THIS POINTER TO SET-UP THE ADDRESSES OF ALL THE IFT ENTRIES. IF THEY ARE NOT SET CORRECTLY, YOUR SYSTEM WILL BE CORRUPTED.

Fix information:
Privileged Driver Example will be corrected in the next update of the RTE-L/XL Driver Design Manual.

KPR #: 2200051458 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: DD.00 READ

One-line description:
DD.00 LEAVES 'CRCR' AT END OF USER BUFFER ON READ REQUESTS

Problem:

IF THE USER DOES A READ FROM A TERMINAL USING DD.00/ID.00 AND THE READ COMPLETES WITH AN EVEN NUMBER OF CHARACTERS, TWO CARRIAGE RETURN CHARACTERS (064015B) ARE APPENDED TO THE USER'S BUFFER. THE PROBLEM WILL NOT OCCUR IF THE REQUEST LENGTH IS SATISFIED EXACTLY.

Cause:

THE ASIC CARD (12005A) CAUSES A CARD INTERRUPT UPON RECEIPT OF THE SPECIAL CHARACTER 'CR' TO IDICATE THE COMPLETION OF THE ASCII READ REQUEST BEFORE THE DMA WORD COUNT IS SATISFIED. THE HARDWARE TRANSMITTS THE 'CR' CHARACTER TO THE USER'S BUFFER. IF AN EVEN NUMBER OF CHARACTERS HAVE BEEN ENTERED, THE 'CR' WILL APPEAR IN BOTH THE UPPER AND LOWER BYTES. IF AN ODD NUMBER OF CHARACTERS HAVE BEEN ENTERED, THE 'CR' WILL BE IN THE LOWER BYTE ALONG WITH THE LAST CHARACTER ENTERED. WHEN DD.00 CONTINUES, IT DETERMINES HOW THE INTERRUPT OCCURED. WHEN DD.00 KNOWS ITS AN INTERRUPT FROM THE SPECIAL CHARACTER 'CR', IT WILL CHANGE THE 'CR' IN THE USER'S BUFFER TO AN ASCII SPACE FOR THE ODD NUMBER OF CHARACTERS, BUT DOES NOT MODIFY THE BUFFER FOR THE EVEN NUMBER OF CHARACTERS. THEREFORE, THE USER'S BUFFER WILL CONTAIN TWO CARRIAGE RETURNS. THE TRANSMISSION LOG IS RETURNED CORRECTLY IN EITHER CASE.

Temporary solution:
AS A WORK AROUND, USE ABREG TO OBTAIN THE TRANSMISSION LOG AND PRINT ONLY THAT AMOUNT OF THE BUFFER.

Fix information:
Fixed at rev. 2240.

KPR #: 2200051474 Product: RTE-L W/PROGRAMMING 92070A 20.14

Keywords: FMGR

One-line description:
RTE-L FMGR 'IN' COMMAND ALLOWS ILLEGAL SECTORS PER TRACK

Problem:

THE FILE MANAGER 'IN' COMMAND ALLOWS THE USER TO INPUT AN ILLEGAL NUMBER OF SECTORS PER TRACK FOR A DISC LU. FOR EXAMPLE:

:IN,XX,-10,10,FLOPPY,0,1,96
(THE FLOPPY HAS 60 SECTORS PER TRACK)

FILE MANAGER IS ABORTED WITH AN "I007" AND THE CARTRIDGE REMAINS LOCKED TO FILE MANAGER.

Cause:

EVERY LOGICAL UNIT IN RTE-L/XL HAS A DEVICE TABLE THAT CONTAINS THE MAXIMUM NUMBER OF SECTORS PER TRACK AND IS SET AT GENERATION TIME. FILE MANAGER BUILDS THE FMP DIRECTORY ENTRY WITH THE INVALID NUMBER OF SECTORS PER TRACK. BUT WHEN THE DRIVER IS CALLED TO

ACCESS A SECTOR BEYOND THE LEGAL UPPER LIMIT, THE DRIVER (DD.30) REJECTS THE REQUEST WITH AN "I007", LEAVING THE CARTRIDGE LOCKED TO FILE MANAGER.

Temporary solution:
TO RECOVER DO THE FOLLOWING:
1) RE-INITIALIZE THE CARTRIDGE USING THE FILE MANAGER "IN" COMMAND.
:IN,XX,-10,10,FLOPPY,0,2,60
:IN,XX,-10,10,FLOPPY,0,1,60
THE SECOND "IN" COMMAND WILL ASK YOU IF YOU WANT TO PURGE THIS DISC. YOU MUST ANSWER "YES".

KPR #: 2200051623 Product: RTE-L W/PROGRAMMING 92070A 20.40

Keywords: GETST

One-line description:
RTE-L/XL GETST NOT COMPATIBLE WITH RTE-4B VERSION

Problem:
THE CALLING SEQUENCE FOR "GETST" IS AS FOLLOWS:
CALL GETST(BUFR,BUFLN,TLOG)
WHERE BUFR - USER BUFFER
BUFLN - THE LENGTH OF BUFR AS N WORDS
OR -2N CHARACTERS
TLOG - TRANSMISSION LOG OF RUN STRING
IN RTE-L/XL, BUFLN IS TAKEN AS THE LENGTH OF THE ENTIRE RUN STRING (IE. RU,PROGX,STRING), BUT IN RTE-IVB, BUFLN IS TAKEN AS THE LENGTH OF THE STRING AFTER THE SECOND COMMA. THEREFORE, IF THE USER SPECIFIES -4 CHARACTERS AS BUFLN IN RTE-L/XL AND TYPES ":RU,PROGX,HODY", GETST WILL NOT RETURN THE STRING "HODY", BUT RTE-IVB WILL.

Temporary solution:
ALWAYS SPECIFY A LAGE VALUE FOR BUFLN AS SPECIFIED IN THE MANUAL (IE. 40 WORDS OR -80 CHARACTERS).

KPR #: 2200052373 Product: RTE-L W/PROGRAMMING 92070A 1/.81

Keywords: DRIVER WRITING DOCUMENTATION ERRORS

One-line description:
PRIVILEGED DRIVER SAMPLE PROGRAM HAS MISTAKES

Problem:
THE SAMPLE DRIVER ON PAGE 9-3 OF THE MANUAL HAS TWO MISTAKES. THE PRIVILEGED DRIVER SHOULD SAVE MAPPING INFORMATION WHEN ENTERED FROM THE TRAP CELL (IE. $MAPF) AND RESTORE MAPPING TO ITS ORGINAL STATE WHEN EXITING FROM ITS PRIVILEGED SECTION. THE CURRENT CODE IS CORRECT FOR AN RTE-L SYSTEM, BUT WILL NOT WORK IN AN RTE-XL SYSTEM. ALSO, THE DRIVER SHOULD SAVE THE STATE OF THE GLOBAL REGISTER (IE. ENABLED OR DISABLED) ON ENTRY INTO THE PRIVILEGED SECTION AND RESTORE

ITS STATE UPON EXIT FROM THE PRIVILEGED SECTION.

Fix information:
Privileged Driver Example will be corrected in the next update of the RTE-L/XL Driver Design Manual.

KPR #: 2200052621 Product: RTE-L W/PROGRAMMING 92070A 1/.81

Keywords: OPEN FMP ERRORS DOCUMENTATION ERRORS

One-line description:
WRONG FMP ERROR MESSAGE (-037) ISSUED ON AN FMP OPEN CALL

Problem:
IF A TYPE 6 FILE IS OPENED EXCLUSIVELY WHEN IT SHOULD HAVE BEEN OPENED NON-EXCLUSIVELY, AN ERRONEOUS FMGR-037 ERROR MESSAGE IS ISSUED. A MORE APPROPRIATE ERROR MESSAGE WOULD BE A FMGR-008.

Cause:
FOR EXAMPLE A TYPE 6 FILE OPENED EXCLUSIVELY, RP'ED USING IDRPL THEN CLOSED, WOULD RESULT IN THE INACCURATE FMGR-037 ERROR MESSAGE BEING ISSUED THE NEXT TIME THE FILE IS "OPEN" ED. A MORE ACCURATE DESCRIPTION OF THE PROBLEM WOULD BE THE FMGR-008 ERROR MESSAGE.

Temporary solution:
THE CORRECT MEANING FOR FMGR-037 IS "ILLEGAL OPERATION ATTEMPTED ON ACTIVE PROGRAM (TYPE 6) FILE." THE MANUAL WAS NOT UPDATED TO INCLUDE THIS MEANING.

Fix information:

Manual will be changed during next update to have FMRG-037 indicate illegal access of active program file or swap file.

KPR #: 2200052951 Product: RTE-L W/PROGRAMMING 92070A 20.41

Keywords: GETST

One-line description:
GETST RETURNS XLOG DIFFERENT UNDER RTE-L/XL AND RTE-4B VERSIONS

Problem:
THE RTE-L/XL VERSION OF "GETST" DOES NOT RETURN THE CORRECT TRANSMISSION LOG (XLOG) WHEN THE PROGRAM IS RUN FROM FILE MANAGER. THIS MAKES PROGRAMS INCOMPATIBLE BETWEEN RTE-L/XL AND RTE-IVB SYSTEMS. FOR EXAMPLE:

RUN STRING	CHARACTER XLOG (IVB)	CHARACTER XLOG (L/XL)
:RU,GETIT,1	1	1
:RU,GETIT,12	2	3
:RU,GETIT,123	3	3
:RU,GETIT,1234	4	5

Cause:
THE ACTUAL PROBLEM IS IN THE FILE MANAGER CODE. THE FILE MANAGER ONLY PASSES WORDS TO THE SON WHEN IT IS SCHEDULED (SEE SSB #5125). THE RTE-L/XL VERSION OF "GETST" USES AN EXEC 14 CALL TO RETRIEVE THE RUN STRING AND USES THE XLOG RETURNED FROM THE EXEC 14. THE XLOG RETURNED FROM THE EXEC 14 CALL IS ALWAYS IN WORDS. THEREFORE, THE RTE-L/XL VERSION OF "GETST" ALSO FAILS. THE RTE-IVB VERSION OF "GETST" DOES MORE PROCESSING THAN THE RTE-L/XL VERSION OF "GETST" AND WILL RETURN THE CORRECT XLOG IN MOST CASES (SEE SSB #5125). PLEASE NOTE THAT "GETST" WILL WORK CORRECTLY IN BOTH SYSTEMS IF THE PROGRAM IS NOT RUN FROM FILE MANAGER.

ACTION: 1) THE FILE MANAGER CODE SHOULD BE CHANGED TO FIX BOTH THE RTE-IVB AND RTE-L/XL "GETST" AND EXEC 14'S.
2) THE RTE-L/XL "GETST" SHOULD BE CHANGED TO CHECK FOR A TRAILING BLANK (PADDED BY FMGR) AND DECREMENT THE XLOG BY 1 IF NECESSARY. THIS WOULD MAKE THE RTE-L/XL SYSTEMS COMPATIBLE WITH RTE-IVB EVEN IF THE FILE MANAGER PROBLEM IS NOT RESOLVED.
3) THE RTE-L/XL "GETST" SHOULD ALSO NULL FILL THE REMAINDER OF THE UNUSED BUFFER TO BE COMPATIBLE WITH THE RTE-IVB VERSION.

KPR #: 2200052969 Product: RTE-L W/PROGRAMMING 92070A .

Keywords: GEN RECORDS DOCUMENTATION ERRORS

One-line description:
7910 DEFAULT GEN RECORDS ARE WRONG IN MANUAL

Problem:

MODULE: RTE-L GN REQ DVR PART: 92070-90042
TITLE: 7910 DEFAULT GEN RECORDS ARE WRONG IN THE MANUAL
Page 2-32 of the Generator Requirements for Drivers Manual has the incorrect number of spare tracks for Cartridge 1 and Cartridge 2. The correct value should be 2 for both Cartridge 1 and Cartridge 2. Cartridge 0 and cartridge 3 are correct. They both have 4 spares. Please note that the driver uses a total of 1492 Tracks and the 7910 drive has a total of 1496 tracks.

Fix information:
The 7910 Default File Values table in the Generation Requirements for Drivers Manual will be corrected as indicated above, at the next update cycle.

KPR #: 2200052977 Product: RTE-L W/PROGRAMMING 92070A .

Keywords: CONFIGURATION DOCUMENTATION ERRORS

One-line description:
7910 DISC CONFIGURATION WRONG IN MANUAL

Problem:

Title: 7910 Disc Configuration Wrong In Manual
Module: RTE-L/XL GEN PL. Part: 92070-90014
Page B-16 and B-17 have the incorrect number of tracks for the 7910 Disc Drive. Figure B.6 shows there are 739 cylinders (0-738). There are really 748 cylinders (0-747). This means the total number of tracks on B-17 should be 1496 instead of 1476. The example on page B-18 is correct, but could be updated to use more tracks.

Fix information:
Pages B-16 through B-18 of the RTE-L/XL Generation Planning Guide will be corrected as indicated above, in the next update (#3 of the second edition).

KPR #: 2200053017 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: EDITR

One-line description:
EDITL MAY GET FMGR-005 ERRORS COPPUPTING ITS SCRATCH FILES

Problem:
WHEN RUNNING EDITL IN RTE-4B FMGR-005 ERRORS MAY OCCUR INDICATING CORRUPTION OF ITS SCRATCH FILES.

Cause:
THE PROBLEM SHOWED UP AS A RESULT OF THE 2101 FMP ENHANCEMENTS. 2126 CHANGES TO FMP STILL EXIBIT THE PROBLEM ALSO. THE FOLLOWING EXAMPLE WILL DEMENSTRATE THE PROBLEM.

```
:RU,EDITL
SOURCE FILE?
/
EOF
/ ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
/0
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
/0
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
/1
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
/L22
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
FMP ERROR -005 ON 086002
EOF
/A
EDITL ABORTED
```

Temporary solution:
WHEN LOADING EDITL IN RTE-4B, SEARCH %BMPG3 REV 2026.

KPR #: 2200053033 Product: RTE-L W/PROGRAMMING 92070A 1/.81

Keywords: FORMT DOCUMENTATION ERRORS

One-line description:
RTE-L/XL FORMT UTILITY 'EQ 02' ERROR NOT DOCUMENTED

Problem:
IF A USER LOADS THE FORMT UTILITY ON-LINE IN AN RTE-L/XL SYSTEM, HE/SHE WILL PROBABLY RECEIVE AN "EQ 02" ERROR FROM THE OPERATING SYSTEM AND THE PROGRAM WILL BE ABORTED. THE ERROR WAS DESIGNED INTO THE PROGRAM, BUT THE MANUAL DOES NOT DESCRIBE ITS MEANING.

Cause:
THE FORMT UTILITY IS NOT INTENDED TO RUN ON-LINE IN AN RTE-L/XL OPERATING SYSTEM ENVIRONMENT AS IT DOES IN AN RTE-IVB ENVIRONMENT. THE USER SHOULD GENERATE A SPECIAL FORMAT SYSTEM AS DOCUMENTED ON PAGE 2-2 OF THE MANUAL. THE UTILITY CHECKS THE TOTAL NUMBER OF ID SEGMENTS GENERATED INTO THE SYSTEM AND IF IT IS NOT EQUAL TO ONE, ENTERS THE OPERATING SYSTEM TO ABORT THE PROGRAM AND ISSUE THE "EQ 02" ERROR MESSAGE.

Temporary solution:
ADD THE ERROR MESSAGE TO PAGE 2-15 OF THE MANUAL.

KPR #: 2200053041 Product: RTE-L W/PROGRAMMING 92070A 1/.81

Keywords: MUX-8 CHANNEL DOCUMENTATION ERRORS

One-line description:
GENERATION DESCRIPTION OF RTE-L/XL MUX NOT COMPLETE

Problem:
THE PROBLEM IS THAT I GET TOO MANY PHONE CALLS ON GENERATING IN A MULTIPLEXER IN AN RTE-L/XL SYSTEM. THE DESCRIPTION FOR GENERATING IN A MULTIPLEXER IS ON PAGE 3-8 AND 3-9 OF THE GENERATION REQUIREMENTS FOR DRIVERS MANUAL. THE CORRECT INFORMATION IS SUPPLIED FOR GENERATING THE INTERFACE DRIVER, BUT LITTLE INFORMATION IS SUPPLIED FOR GENERATING IN THE DEVICE TABLES FOR TERMINALS AND CASSETTES. A VERY IMPORTANT NOTE WAS ADDED TO THE MANUAL ON PAGE 3-9 SPECIFYING THAT ALL THE DEVICES ATTACHED TO THE MUX MUST HAVE A 34 WORD TABLE EXTENSION. THEREFORE, YOU MUST OVERRIDE THE DEFAULT IN THE GENERATION VIA A "TX:34" COMMAND. IF YOU ARE GENERATING IN AN HP TYPE OF TERMINAL USING DD.00, THERE ARE SOME FURTHER CONCERNS. PAGE 2-21 OF THE RTE-L/XL DRIVER REFERENCE MANUAL SHOWS THE FORMAT FOR A TERMINAL CONFIGURATION WORD (DRIVER PARAMETER 1). THE DEFAULT VALUE FOR THE TERMINAL CONFIGURATION WORD IS SET FOR USE WITH THE SERIAL INTERFACE CARD AND THEREFORE MUST BE MODIFIED FOR USE WITH THE MUX. YOU SHOULD SET THE LINE FEED BIT TO DISABLE THE DEVICE DRIVER FROM SENDING A LINE FEED BECAUSE THE MUX FIRMWARE PROVIDES THE

LINE FEED AUTOMATICALLY. ALSO, THE ENQ/ACK BIT SHOULD BE CLEARED BECAUSE THE FIRMWARE ON THE MUX CAN ALSO BE ENABLED (VIA A CONTROL 30B REQUEST) TO HANDLE ALL OF THE ENQ/ACK HANDSHAKING TO THE DEVICE. THE PAGE MODE AND FORM FEED BITS DEPEND ON THE DEVICE. FOR EXAMPLE; THE 2631,2635, AND 2675 ALL HAVE THE FORM FEED BIT SET, BUT THE 2621 AND THE 2645 DO NOT. ALSO, NOTE THE DIFFERENCE IN PROGRAMMING CASSETTES ON A MULTIPLEXER AS DESCRIBED ON PAGE 2-30 OF THE RTE-L/XL DRIVER REFERENCE MANUAL (IE. THE "DH" BIT). THE LAST BIT OF INFORMATION RELEVENT TO THE GENERATION IS NODE LISTS. DO NOT PUT ALL THE DEVICES ATTACHED TO THE MULTIPLEXER IN THE NODE LIST. ONLY PUT A TERMINAL AND ITS CASSETTES IN THE NODE LIST (AS YOU WOULD ON THE SERIAL INTERFACE CARD). AFTER THE GENERATION, YOU MUST ENABLE THE MUX PORTS VIA A CONTROL 30B REQUEST AS DESCRIBED ON PAGE 3-73 OF THE DRIVER REFERENCE MANUAL. THIS IS USUALLY DONE IN THE WELCOM FILE AT BOOT UP TIME. FOR AN HP TERMINAL, THE TYPICAL VALUES SHOULD BE; 8 BITS PER CHARACTER, BAUD RATE GENERATOR 0 FOR PORT 0, BAUD RATE GENERATOR 1 FOR ALL OTHER PORTS (REFER TO MUX HARDWARE MANUALS FOR DETAILS), 1 STOP BIT, NO PARITY, ENQ/ACK ENABLED, THE CORRECT BAUD RATE, AND PORT NUMBER. A CONTROL 33B REQUEST IS NOT REQUIRED, BUT CAN BE USED TO ALTER PARAMETERS (SEE DRIVER REFERENCE FOR DETAILS).

Cause:
CHANGE THE MANUAL TO EITHER DESCRIBE THE DETAILS OF GENERATING IN DEVICES ON THE MUX OR REFER TO DETAILS IN THE OTHER MANUALS. ALSO, ADD THE NODE LIST INFORMATION.

Fix information:
The documentation has been modified for release at C.83.

KPR #: 2200053306 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: AUTOR FTN4X

One-line description:
RUNTIME ERROR WHEN AUTOR IS COMPILED USING FTN4X AND THEN RUN

Problem:
WHEN AUTOR IS COMPILED USING FTN4X, AND THEN RUN, IT GENERATES RUNTIME ERROR 496 - ILLEGAL FORMAT STATEMENT.

Cause:
THE ARRAY PASSED TO RMPAR IS DIMENSIONED AS 3 INTEGERS AND RMPAR EXPECTS 5 INTEGERS. THE FORMAT STRING, STORED IN THE FOLLOWING LOCATIONS, GETS CORRUPTED. THIS DOES NOT OCCUR WHEN COMPILED USING FTN4.

Temporary solution:
CHANGE LINE 13 OF &AUTOR TO
DIMENSION ITM(5),ITMX(3)

KPR #: 2200053405 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: FILES TYPE 2 FILE

One-line description:
FORMATTED READ ON TYPE 2 FILES MAY OVERWRITE USER CODE

Problem:
WORD 7 OF THE DCB HEADER CONTAINS THE BUFFER SIZE (1 BLOCK = 128 WORD DEFAULT) TO BE USED FOR THE ASSOCIATED FILE AS WELL AS SOME OTHER FLAG BITS. FOR TYPE 2 FILES, BIT 2 IS USUALLY SET (MEANING PREVENT EXTENTS). BEFORE THE DATA TRANSFER, R/W$ LOADS THE WORD (F.ST1) INTO THE A-REG AND MASKS OFF BITS 0 AND 15, BUT IT SHOULD HAVE MASKED OFF BITS 0-6 AND 15. SINCE BIT 2 IS SET, THE TRANSFER ROUTINE (D$XFR) IS TOLD TO READ 132 (204 OCTAL) WORDS INSTEAD OF 128 (200 OCTAL) WORDS. FTN4X LOCATES THE DCB AREA AFTER THE MAIN PROGRAM SO THE READ OVERWRITES THE FIRST 4 WORDS OF THE NEXT SUBROUTINE. THIS ERROR DOES NOT OCCUR IN RTE-IVB BECAUSE THAT VERSION OF R/W$ (92067-16125) CORRECLY MASKS OFF THE FLAG BITS.

Temporary solution:
WORKAROUNDS: IF ONLY ONE DCB IS USED, A DUMMY FORMAT STATEMENT LOCATED AT THE BEGINNING OF THE FIRST SUBROUTINE EFFECTIVELY ALLOCATES SPACE FOR THE DCB TO OVERFLOW. OTHERWISE, MODIFY THE SOURCE:

```
LINE 39  CHANGE TO          AND BLMSK
LINE 69  INSERT      BLMSK OCT 77600
```

KPR #: 2200053504 Product: RTE-L W/PROGRAMMING 92070A 20.40

Keywords: ID.37 HP-IB

One-line description:
ID.37 DOES NOT RESPOND TO 'LF' TERMINATOR

Problem:
WHEN DOING AN ASCII READ ON HP-IB DEVICE, IF DEVICE TERMINATES DATA WITH LF, ID.37 WILL STRIP OUT LF IT WILL ADD LF TO DATA BUFFER AND INCREASE THE CHARACTER COUNT.

Fix information:
Already fixed in B.82

Signed off 07/05/84 in release 22.26

KPR #: 2200057562 Product: RTE-L W/PROGRAMMING 92070A 22.13

Keywords: GETST RUN STRING

One-line description:
GETST DOES NOT RETURN RUNSTRING PARAMETERS CORRECTLY

Problem:

IF A BLANK IS PASSED AS A RUN STRING PARAMETER, 'GETST' INCORRECTLY RETURNS THE INFORMATION.

Fix information:
FIXED AT B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200057570 Product: RTE-L W/PROGRAMMING 92070A 19.41

Keywords: LIBRARY

One-line description:
SYCON DOES NOT PRINT MESSAGE ON SYSTEM CONSOLE

Problem:
WHEN USING THE LIBRARY ROUTINE SYCON TO WRITE A MESSAGE ON THE SYSTEM CONSOLE THE MESSAGE IS WRITTEN ON THE SCHEDULING TERMINAL INSTEAD.

Fix information:
FIXED AT B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200005181 Product: RTE-M 92064A 23.01

One-line description:
2140 $CLIB causes DM when loading FTN4 w. 2026 $CLIBM (RTE-M)

KPR #: 2200051193 Product: RTE-M 92064A 23.01

Keywords: RTMLG

One-line description:
RTMLG INCORRECTLY LOADS REENTRANT ROUTINES

Problem:
RTE-M CRASHES (WITH INTERRUPTS OFF) EACH TIME A REENTRANT ROUTINE IS CALLED WHEN ANY M-SYSTEM IS GENERATED WITH RTE-M LOADER/GENERATOR (RTMLG).

Cause:
RTMLG DOES NOT HANDLE THE REENTRANT CALL PREPROCESSING PROPERLY. THE JSB TO .ZRNT SHOULD BE CHANGED TO A JSB TO $LIBR FOLLOWED BY A DEF TDB (TEMPORARY DATA BLOCK) IN THE CASE OF A REENTRANT SUBROUTINE. WITH PRIVILEGED ROUTINES THE WORD FOLLOWING THE $LIBR CALL SHOULD BE A NOP (0). WHEN USING RTMLG, THE JSB .ZRNT IS CORRECTLY CHANGED TO JSB $LIBR BUT THE FOLLOWING WORD IS A ZERO AS IF PRIVILEGED.

KPR #: 2200003350 Product: RTE-XL 92071A 23.01

One-line description:
User programs abort with RQ error when it shouldn't

Fix information:
To be fixed at A.85.

KPR #: 2200003996 Product: RTE-XL 92071A 23.01

Keywords: PASCAL

One-line description:
Wrong version of =SHSLB shipped with RTEXL

Problem:
'Dup ent' when generating PASCAL system and searching =SHSLB supplied with RTE XL. Works fine if you use =SHSLB supplied with 92854 product. Why are 2 files with same name present. Which version should one use?

Cause:
The RTEXL =SHSLB has pn 92833-16006 which is the older version of RTE6 PASCAL. However, the connect version should be 92854-16006 which is the XL-PASCAL version. The two are not compatible and the RTE6 version causes DUP ENT errors when used with the RTE XL generator.

Fix information:
Fixed at C.83

Signed off 07/05/84 in release 23.40

KPR #: 2200023887 Product: RTE-XL 92071A .

Keywords: FMP

One-line description:
CRMC and CRDC must be declared integer functions

Problem:
TITLE:CRMC & CRDC MUST BE DECLARED INTEGER FUNCTIONS
CRMC and CRDC functions described in RTE-L/XL File Management Reference Manual do not work as described. Since by convention, anything starting with the letter "C" is real, putting the results in an integer variable will cause a real to integer conversion. Since the returned data is actually integer in the A-register, the following is required:

```
INTEGER*2 CRMC
IMOUNT = CRMC (LU, LSTRK)

INTEGER*2 CRDC
IERR = CRDC (ICR)
```

Fix information:
RTE-L/XL File Management Reference Manual will be changed in next update to explicitly declare integer type under CRDC and CRMC.

KPR #: 2200026344 Product: RTE-XL 92071A .

Keywords: VCP

One-line description:
Unable to boot from tape with file > 48K

Fix information:
Fixed in Sept. '83. VCP rom revision code is 4002.

Signed off 07/05/84 in release 23.26

KPR #: 2200051631 Product: RTE-XL 92071A 20.41

Keywords: BOOTEX

One-line description:
INCOMPLETE BOOT LOCKES THE SYSTEM AND SNAP FILES

Problem:
ANY BOOT PROCESS THAT IS HALTED BY THE USER (VIA VCP) OR BY THE BOOT-UP CODE AFTER THE SYSTEM AND SNAP FILES HAVE BEEN OPENED (WITH THE "SN" AND "SY" BOOT COMMANDS) WILL LEAVE THESE FILES OPEN. THE NEXT OPERATING SYSTEM BOOTED WILL HAVE THESE FILES OPENED EXCLUSIVELY TO THE FIRST PROGRAM RP'D (USUALLY D.RTR). IN ORDER TO CLOSE THESE FILES, "OFF" THE PROGRAM THAT HAS THEM OPEN AND THEN LIST THE SYSTEM AND SNAP FILES. FOR EXAMPLE:

```
:OF,D.RTR
:LI,SNAP,D
:LI,PRMSYS,D
```

Cause:
OFFING THE PROGRAM THAT HAS THE FILE OPEN WILL BUMP THE SEQUENCE COUNTER IN THE ID SEGMENT WHICH ALLOWS THE FILE TO BE CLOSED.

Temporary solution:
THE BOOTEX CODE CAN BE CHANGED TO ALWAYS CLOSE THE SYSTEM AND SNAP FILES ON A BOOT ERROR. BUT IF THE USER HALTS THE BOOT PROCESS VIA VCP, BOOTEX WILL NOT BE ABLE TO CLOSE THE FILES AND THE PROBLEM WILL STILL EXIST. THEREFORE, DON'T EVER HALT THE BOOT-UP WITH VCP. LET THE BOOT PROCEDURE DIE ELEGANTLY.

Fix information:
Fixed at 2213.

Signed off 07/05/84 in release 22.13

KPR #: 2200052266 Product: RTE-XL 92071A 20.41

Keywords: RTLGN COMMON

One-line description:
SNAP BUILT WRONG WHEN LABELLED COMMON MODULES DO NOT USE BP LINKS

Problem:
IF MODULES ARE LOADED INTO LABELED COMMON DURING THE GENERATION OF AN RTE-XL SYSTEM AND BASE PAGE LINKS FOR LABELLED COMMON ARE NOT NEEDED, THE SNAP FILE GETS BUILT INCORRECTLY. THUS, WHEN THIS SNAP FILE IS USED TO LOAD PROGRAMS THAT REFERENCE LABELLED COMMON (LCOM), THE LOADR INCORRECTLY ISSUES A FMGR -12 ERROR ON THE SNAP FILE.

Cause:
THIS PROBLEM OCCURS BECAUSE THE HEADER RECORD FOR THE SNAP FILE GETS BUILT INCORRECTLY. THUS WHEN THE LOADER SEARCHES THE SNAP FILE FOR THE BASE PAGE LINKS TO LOAD A PROGRAM SPECIFYING LCOM, IT REFERENCES A RECORD PAST THE END OF THE SNAP FILE, AND THE LOADR ISSUES A FMGR-12 ERROR.

Temporary solution:
THERE ARE TWO WORKAROUNDS FOR THIS PROBLEM.

1. RELOCATE A MODULE INTO LABELLED COMMON WHICH REQURES BASE PAGE LINKS AT GENERATION TIME, OR
2. PATCH THE SNAP FILE IN THE FOLLOWING MANNER:
   RECORD 1, WORD 8 - INCRIMENT BY 1;
   RECORD 1, WORD 20 - INCRIMENT BY 1;
   ADD 1 RECORD TO THE END OF THE SNAP FILE WHICH CONTAINS A 00000.

Signed off 07/21/83 in release 23.01

KPR #: 2200052399 Product: RTE-XL 92071A 1/.81

Keywords: SYSTEM COMMON DOCUMENTATION ERRORS

One-line description:
RTE-XL SYSTEM DESIGN MANUAL LEAVES OUT COMMON OPTION

Problem:
Page 8-1 of the System Design Manual does not allow labelled program common and labelled system common as a legal combination in a user program. The manual does state that labelled system common, labelled program common, and blank program common is a legal option. The manual also state that labelled program common, labelled system common, and blank system common is a legal option. This is inconsistent.

Temporary solution:
A column will be added to the table on page B-1 showing labeled program common and labeled system common as an allowable combination.

Fix information:
Manual is being updated as part of the next PCO cycle (Update 3 of the First Edition).

KPR #: 2200052407 Product: RTE-XL 92071A 20.41

Keywords: MI2AB EOF

One-line description:
MI2AB DOES NOT WRITE AN EOF ON THE CASSETTE

Problem:
THE PROGRAM MI2AB (MEMORY IMAGE TO ABSOLUTE) DOES NOT WRITE AN END OF FILE MARK ON THE CASSETTE. THIS WILL NOT CAUSE ANY PROBLEMS IF ONLY ONE FILE IS OUTPUT TO THE CASSETTE BECAUSE THE REWIND WILL WRITE AN EOF MARK. IF TWO OR MORE FILES ARE STORED ON THE CASSETTE, THE FILES WILL BE CONCATENATED.

Temporary solution:
AS A WORK AROUND, USE THE GREEN KEYS ON THE TERMINAL TO WRITE AN EOF ON THE TAPE AFTER MI2AB COMPLETES.

KPR #: 2200054171 Product: RTE-XL 92071A 21.01

Keywords: PFORM

One-line description:
PFORM PUTS WRONG WORD COUNT IN PROM IMAGE FILE

Problem:
BOOTING AN RTE-XL SYSTEM FROM PROM CARD DOES NOT TRANSFER ALL THE CODE FROM PROM TO MEMORY. ONE WORD, THE LAST WORD, IS NOT TRANSFERRED. THIS MAY RESULT IN INCORRECT PROGRAM EXECUTION.

Cause:
THE PROBLEM WAS DETECTED WITH A PROGRAM DOING AN IDCLR AS THE LAST TASK. THE LAST WORD OF CODE IN THE ROUTINE IS THE MASK TO SET THE ID BIT IN THE ID SEGMENT. THIS LAST WORD OF CODE WAS NOT TRANSFERRED TO MEMORY, SO THE IDCLR DID NOT WORK. THE WORKAROUND IS TO INCRIMENT THE WORDCOUNT (FIRST WORD OF PROM IMAGE FILE) BY ONE SO THAT IT CONTAINS THE CORRECT NUMBER OF WORDS.

KPR #: 2200054361 Product: RTE-XL 92071A 21.40

Keywords: FMP ERRORS

One-line description:
FMGR-099 ERROR WHEN USING IN COMMAND

Problem:
THERE ARE TIMES WHEN YOU USE THE IN COMMAND AND IT ABORTS WITH A FMGR-099 ERROR (DIRECTORY MANAGER EXEC REQUEST ABORTED), AND THERE IS NO OBVIOUS REASON FOR THIS PROBLEM. THERE IS NO KNOWN WORKAROUND. FREQUENTLY, THE IN COMMAND CAN BE REPEATED AND IT WILL BE ACCEPTED. OTHER TIMES IT CAN BE REPEATED AND NOT BE ACCEPTED.

KPR #: 2200055087 Product: RTE-XL 92071A 21.40

Keywords: DOWNLOAD DS 1000 FIRMWARE

One-line description:
MULTIDROP DS DOWNLOAD PROBLEM

Problem:
WITH TWO OR MORE XL/A SLAVE SYSTEMS ON A MULTIDROP DS LINE, A DOWNLOAD INITIATED FROM THE MASTER (VIA FCL7) CAN CAUSE ALL SLAVE DS CARDS BESIDES THE ONE ADDRESSED BY THE DOWNLOAD TO BE LEFT IN A STRANGE STATE. FURTHER DS TO/FROM THOSE SLAVE SYSTEMS IS IMPOSSIBLE AND THE ONLY WAY TO RECOVER IS TO CYCLE POWER ON THE CARD.

Cause:
WHEN SLAVE SYSTEM A IS SELECTED FOR DOWNLOAD, IT WILL RESPOND AND TRANSMIT DATA WHILE VCP IS RESETTING THE CARD. THIS CAUSES A GARBAGED PROTOCOL SEQUENCE TO BE TRANSMITTED CONTAINING A <STX> BUT NO <ETX>. THE OTHER CARDS DETECT THE <STX> AND, UPON TIMEOUT WHEN NO <ETX> IS DETECTED, COMMENCE MESSAGE ABORT PROCESSING. WHILE THEY SHOULD PERFORM A PROTOCOL MESSAGE ABORT FOR A MESSAGE ADDRESSED TO SOMEONE ELSE, THEY INSTEAD DO AN ABORT FOR A MESSAGE ADDRESSED TO THEM. THE CARD BUFFERS ARE RESET, CAUSING IT TO GO DEAF TO THE BACKPLANE.

Fix information:
THE FIX IS IMPLEMENTED IN FIRMWARE REVISION 2218. THE FIRMWARE NOW PERFORMS THE CORRECT MESSAGE ABORT.

KPR #: 2200055301 Product: RTE-XL 92071A 21.01

Keywords: ID.50

One-line description:
ID.50 DOES NOT SCHEDULE PROGRAM ON INTERRUPT

Problem:
WHEN USING THE HP12006A PIC CARD AND WANTS TO SHEDULE A PROGRAM ON INTERRUPT THE DRIVER DOES NOT SET UP THE PROGRAM NAME IN THE EXTENSION DVT. THUS THE PROGRAM WILL NOT INTERRUPT THE SYSTEM.

Temporary solution:
INSERT THE ATTATCHED PATCH TO SAVE INFORMATION BEFORE EXITING DRIVER:
LOCATION 223R LDB $DVTP,I

Fix information:
Already fixed in A.83

Signed off 07/05/84 in release 23.01

KPR #: 2200055442 Product: RTE-XL 92071A 21.40

Keywords: DD.00

One-line description:
2623 TERMINAL HANGS WHEN USING DD.00 AND COPY FROM SCREEN TO PRINTER

Problem:
AFTER SENDING THE 2623 AN ESC SEQUENCE TO COPY FROM THE SCREEN TO THE INTERNAL PRINTER, OCCASIONALLY THE TERMINAL WILL HANG AND DISPLAY A BACKSLASH WHEN TRYING TO SEND BACK ITS SUCCESS/FAIL STATUS TO THE PROGRAM. AFTER HITTING RETURN, OR TIMEOUT, THE PROGRAM WILL CONTINUE.

Cause:
APPEARS TO BE A TIMING PROBLEM. THE TERMINAL WILL NOT HANG IF AN EVEN NUMBER OF BYTES IS READ BACK FROM THE TERMINAL FOR THE STATUS RETURN.

KPR #: 2200056747 Product: RTE-XL 92071A 22.13

Keywords: DD.00

One-line description:
REDEFINITION OF THE PRIMARY-SECONDARY PROGRAMS IN DD.00

Problem:
WHEN CONFIGURING THE SYSTEM WITH TERMINALS CONNECTED TO THE MUX HP 12040 WITH DEVICE DRIVER DD.00, INITIALLY THE INTERRUPTS ARE NOT ENABLED.

Cause:
WHEN ENABLE ASYNCHRONOUS INTERRUPTS SHOULD BE ENABLED WITH CONTROL 20B OR 40B (THE 23B DOESN'T ENABLE). THIS REQUIRES THE REDEFINITION OF THE PRIMARY OR SECONDARY PROGRAM, RESPECTIVELY, SINCE THE 'CN,LU,20B OR CN,LU,40B' SCRATCHES THE PRIMARY OR SECONDARY PROGRAMS, DEFINED IN THE SYSTEM GENERATION.

Temporary solution:
USE EITHER 'CN,LU,20B,FM,GR,20040B OR CN,LU,40B,CO,MN,D

KPR #: 2200056762 Product: RTE-XL 92071A 21.40

Keywords: ID.00

One-line description:
MODEM CONTROL LINES ARE RESET AT EXIT FROM ID.00

Problem:
THE DOCUMENTATION STATES THAT ID.00 CAN CONTROL THE MODEM LINES USING THE HP 12005A ASIC CARD. WHEN THE DRIVER COMPLETION EXITS ALL OF THE MODEM LINES ARE CLEARED.

KPR #: 2200057224 Product: RTE-XL 92071A 23.26

Keywords: LOADR FTN7X

One-line description:
FORTRAN 77 OBJECT CODE DOES NOT WORK ON THE RTE-XL LOADR

Problem:
PROGRAMS WRITTEN IN FORTRAN 77 USING CHARACTER STRINGS WHICH LOAD AND EXECUTE PROPERLY ON RTE-6, DO NOT EXECUTE PROPERLY ON RTE-XL. LOADER ON THE RTE-XL ABORTS WITH AN 'IL REC' MESSAGE.

Cause:
THE $LDRLN DISTRIBUTED WITH 92071A PRODUCT DOES NOT HAVE THE ENHANCEMENTS FOR FORTRAN 77.

Temporary solution:
LOAD THE XL LOADR USING THE $LDRLN LIBRARY PART #92084-12038 REV 2121 INSTEAD OF 92084-12005 REV 2140.

KPR #: 2200057380 Product: RTE-XL 92071A 22.13

Keywords: HP-IB

One-line description:
STATS CALL ABORTS IF THE HPIB ADDRESS IS ZERO

Problem:
THE HPIB ROUTINE "STATS" FUNCTIONS INCORRECTLY WHEN ADDRESSING HPIB ADDRESS 0. THE PROGRAM TERMINATES WITH THE "ILL RQ-HPIB PROG ABORTED" ERROR MESSAGE. THE "STATS" ROUTINE FUNCTIONS CORRECTLY FOR ALL OTHER HPIB ADDRESSES.

Fix information:
FIXED AT REVISION B.83.

Signed off 07/05/84 in release 23.26

KPR #: 2200057745 Product: RTE-XL 92071A 22.13

Keywords: FILES

One-line description:
LARGE DISC FILES CAN BE CREATED BUT NOT ACCESSED

Problem:
CERTAIN LARGE DISC FILES CAN BE CREATED, BUT NOT CORRECLY ACCESSED. FOLLOWING ARE EXAMPLES:
* TYPE 2 FILE WITH EXTENTS CAN BE CREATED, BUT RECORD 8000 CANNOT BE ACCESSED. FMGR-046 ERROR RETURNED.
* TYPE 1 FILE WITH EXTENTS CAN BE CREATED AND POSITIONED TO RECORD 32767, BUT NEXT ACCESS CAUSES FMGR-012 TO OCCUR ON A WRITE.
* TYPE 3 FILE WITH EXTENTS CAN BE CREATED AND EXTENDED TO OVER 32767 BLOCKS, BUT LOCF CANNOT REPORT CORRECT IRB VALUE.

* ON RTE-A.1, VMA BACKING STORE FILE ALLOCATES EXTENT 255. THIS PREVENTS FILE SYSTEM FROM MOVING OR LISTING FILE PROPERLY.

Cause:

SOME FMP ROUTINES (LOCF,CV.RB,RAPO$) NEED TO CALCULATE A BLOCK NUMBER. THIS VALUE CAN HAVE RANGE 0-32767. THERE ARE NO CHECKS IF OVERFLOW OCCURS. IN THE PROBLEM CASES, OVERFLOW CAUSES THE VALUE TO BECOME NEGATIVE AND RUIN SUCCESSIVE CALCULATIONS. IN MOST CASES, SOME ERROR IS RETURNED, BUT IT MAY NOT CORRECTLY INDICATE THE PROBLEM.

Temporary solution:

REDUCE THE FILE SIZE OR SPLIT THE DATA INTO TWO OR MORE FILES. FC WILL WORK ON THE FILES CORRECLY.

KPR #: 2200058024 Product: RTE-XL 92071A .

Keywords: GEN RECORDS

One-line description:
GEN RECORD FOR 7912 DISC IS DIFFERENT

Problem:

DEFINITION OF GEN RECORD FOR SUBCHANNEL 9 (M7912:9) IS DIFFERENT FROM THE ONE IN RTE-6.
DEVICE PARAMETER 6 SYAS TO USE ONLY "561" TRACKS IN A1 SO WE LOOSE 207 TRACKS (RTE-6 DECLARES 758 TRACKS)

Fix information:
Fixed at B.83

Signed off 07/05/84 in release 23.26

KPR #: 2200058057 Product: RTE-XL 92071A 23.01

Keywords: DD.33

One-line description:
WRITE TO CTD CACHE CAUSES DISC LU OVERWRITE

Problem:

DOING CACHED WRITES TO CTD -- IF THE BLOCK ADDRESS IS BEYOND THE ADDRESSABLE RANGE OF THE CTD TAPE, THE DRIVER WILL STILL ACCEPT THE WRITE REQUEST. ALSO, IF ENOUGH OF THESE WRITES ARE MADE BEYOND THE ADDRESSABLE RANGE OF THE CTD, THE DISC LU'S WHICH FOLLOW THE CTD CACHE WILL BEGIN TO BE WRITTEN OVER.

Cause:

MAKE SURE THE USER PROGRAM CHECKS FOR ADDRESSES OURSIDE THE RANGE OF THE CTD TAPE.

KPR #: 2200058065 Product: RTE-XL 92071A 22.26

Keywords: DD.23 EOF EOT

One-line description:
TRANSMISSION LOG SET INCORRECTLY AT EOF AND EOT

Problem:

IF AN EOF IS READ WHEN EOT IS TRUE, THE TRANSMISSION LOG IS INCORRECTLY SET TO THE TRANSMISSION LOG OF THE PREVIOUS REQUEST.

Cause:

THE TRANSMISSION LOG SHOULD BE SET TO ZERO.

Fix information:
THIS PROBLEM WAS FIXED AT B.83 (REV.2326)

Signed off 10/03/83 in release 23.26

KPR #: 2200058214 Product: RTE-XL 92071A 22.13

Keywords: FMGR

One-line description:
FMP ROUTINE DOES NOT CORRECTLY WRITE OVER EOF

Problem:

IF A WRITEF TO A VARIABLE LENGTH FILE IS PRECEDED BY A POST, THEN UNDER SOME CIRCUMSTANCES THE EOF MARK IS LEFT IN THE FILE. WRITF WILL CONTINUE TO ACCESS THE FILE WITHOUT ERROR, HOWEVER SUBSEQUENT READS FROM THE FILE SHOW IT HAS BEEN TRUNCATED.

Cause:

THE PROBLEM OCCURS WHEN: 1) THE WRITF HAS AN ODD RECORD LENGTH, AND 2) THE INITIAL LENGTH WORD IN THE RECORD BEING WRITTEN OCCURS IN WORD 128 OF A PHYSICAL BLOCK.

Temporary solution:

A MODIFIED ROUTINE IS AVAILABLE FROM DSD AS A WORKAROUND.

KPR #: 2200058347 Product: RTE-XL 92071A 22.13

Keywords: READ

One-line description:
FMP POST ROUTINE FAILS TO UPDATE EOF

Problem:

IF THE LAST WORD OF THE FILE IS THE "EOF" AND A RECORD IS ADDED TO THE FILE THEN THE "EOF" WILL NOT BE UPDATED CORRECTLY

Temporary solution:

A CORRECTED VERSION CALLED %READ? IS AVAILABLE FROM DSD.

Fix information:
TO BE FIXED AT B.83.

KPR #: 2200058420 Product: RTE-XL 92071A 22.13

Keywords: FMGR

One-line description:
FMGR WILL NOT LOAD, GET NM SEG ERROR

Problem:
FMGR WON'T LOAD, GET NM SEG ERROR

Fix information:
FIXED AT A.83.

KPR #: 2200005231 Product: VIS FOR RTE-6/VM 12829A 22.26

Keywords: DOCUMENTATION ERRORS

One-line description:
Documentation error in VIS and System Manager manuals

Problem:
The System Manager's Manual and the VIS configuration guide are inconsistent as to how the VIS library should be used.

Fix information:
System Manager's Manual was fixed at C.83. To say that $VLB6A should not be generated in. kj

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KPR #: 2200004747 Product: X.25 91751A 23.26

One-line description:
SYSTEM HALT ON ONE NODE CAUSES SAMJAM ON OTHER NODES

Problem:
Two RTE6 systems are linked with X.25 & DS/1000 on top and when one system is halted, SAM is garbled up by DS/1000.

Fix information:
Problem is being fixed at RND and GND.

KPR #: 2200054742 Product: X.25 91751A 22.01

One-line description:
NO FILTER ON LL COMMAND IN XINFO

Problem:
NO FILTER IS DONE ON THE LL COMMAND IN XINFO. IF YOU TYPE ANY CHARACTERS FOR THE LL COMMAND, THE COMMAND IS NOT REJECTED.

KPR #: 2200054759 Product: X.25 91751A 22.01

One-line description:
POWER FAIL RECOVERY FAILS IN X.25

Problem:
POWER FAIL RECOVERY DOES NOT WORK CORRECTLY. THE PROBLEM OCCURS WITH CONSECUTIVE POWER FAILS. XNET MP'S AND IS ABORTED.

KPR #: 2200054767 Product: X.25 91751A 22.01

One-line description:
XTLOG FILE CAN GET GARBAGED

Problem:
IF XTLOG IS RUN SIMULTANEOUSLY WITH XPLOG, THE XPLOG FILE IS NOT LOCKED BY XTLOG AND XPLOG CONTINUES TO WRITE INTO THE FILE WHILE XTLOG IS COPYING IT. THE RESULT IS A GARBAGED XTLOG FILE.

Cause:
THE FILE SHOULD BE LOCKED BY XTLOG DURING THE COPY. THIS MAY RESULT IN THE LOSS OF DATA WHEN THERE IS TRAFFIC ON THE NODE.

Signed off 09/11/84 in release 24.01

KPR #: 2200054775 Product: X.25 91751A 22.01

One-line description:
SETTING THE TIMEOUT ON USER DVT FOR UNSOLICITED EVENTS

Problem:
WHEN A CS IS ENTERED WITH A MESSAGE FROM XNET, IT IS NOT

POSSIBLE FOR DDX00 TO SET A TIMEOUT ON A SPECIFIC USER DVT. FOR INSTANCE, IF A CS WANTS TO SCHEDULE A PROGRAM WHEN AN UNSOLICITED EVENT OCCURS, AND THE PROGRAM CANNOT BE SCHEDULED, THE CS MAY WANT TO ADD THE CORRESPONDING USER DVT IN THE TIMEOUT LIST IN ORDER TO RETRY THE PROGRAM SCHEDULE LATER.

KPR #: 5000007062 Product: X.25 91751A 00.00

One-line description:
Abort & formatter error msgs sent to Virtual Circuit LU

Signed off 09/11/84 in release 24.01

KPR #: 5000007302 Product: X.25 91751A 00.00

One-line description:
Primary prog for PAd Virtual Circuit couldn't be rescheduled after exit

Signed off 09/11/84 in release 24.01

KPR #: 5000007328 Product: X.25 91751A 00.00

One-line description:
Hello & Bye don't always deallocate their resources under X.25

Signed off 09/11/84 in release 24.01

KPR #: 5000007351 Product: X.25 91751A 00.00

One-line description:
With both primary & secondary progs busy user unable to get "RTE" prompt

Signed off 09/11/84 in release 24.01

KPR #: 5000007690 Product: X.25 91751A 00.00

One-line description:
RTE breakmode doesn't work from PAD terminal

Signed off 09/11/84 in release 24.01

KPR #: 5000007708 Product: X.25 91751A 00.00

One-line description:
System abort msgs not displayed on PAD terminal

Signed off 09/11/84 in release 24.01

HEWLETT PACKARD

S.O. Ref. #_____

Data Systems Division
Service Request Form

SR # _____ (HP only)

Submitted by _____ **Date** _____

Firm name/Division _____

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City, State, Zip _____

Phone No. (_____) _____ ext. _____ System Mgr. _____

Computer Type _____ (e.g. E, F, XL, Model 5) **Operating System** _____ (e.g. RTE-IVB) **Rev.** _____

Product Name _____ (e.g. BASIC, IMAGE/1000, etc.) **Rev.** _____

Problem Description: (include environment, symptoms, what you were trying to do, what went wrong, and any other information that might be helpful. Also include hardware configuration and date codes when applicable.)

Supportive documentation included with report. (Media must be labeled.)

MEDIA	DESCRIPTION

MAIL TO YOUR LOCAL HP SALES OFFICE

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5955-4385