

HP 1000 SOFTWARE STATUS BULLETIN

1 MARCH, 1985



DATA SYSTEMS DIVISION
Cupertino, California

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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 also has one index, which references the problems that were documented since the last bi-monthly issue. 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.

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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

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

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

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8 CHANNEL MUX-A L/A	12040A	23.01	00.00
8 CHANNEL MUX-A MEF	12792A	23.01	00.00
8 CHANNEL MUX-B L/A	12040B	23.01	00.00
8 CHANNEL MUX-B MEF	12792B	23.01	00.00
A-SER DATA LINK	91732A	23.26	00.00
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Software release contents

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- GRAPHICS/1000-II DGL -

Keyword	Product number	uu.ff	Description	KPR number	page
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- RTE-6 MANUALS -

Keyword	Product number	uu.ff	Description	KPR number	page
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- RTE-6/VM -

Keyword	Product number	uu.ff	Description	KPR number	page
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- RTE-A -

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*****none*****	92077A	23.40	EXEC 12 doesn't work right with negative time values.	2200018739	13
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- RTE-A MANUALS -

Keyword	Product number	uu.ff	Description	KPR number	page
RTE-A	92077 MANUAL	00.00	Typo in RTE-A Driver Reference Manual	5000027797	14
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- RTE-A/VC+ -

Keyword	Product number	uu.ff	Description	KPR number	page
RTE-A	92078A	.	DTACH	5000045781	15

KPR #: 2200017665 Product: GRAPH/1K-II AGP V2.0 92862A 24.01

One-line description:
Supplied procedure will not load a Work Station Program for HP2627 term

Problem:
Loading the 2627 work station program with the procedure outlined in the manual doesn't work. Link aborts saying that the program is too large. The procedure used is this.

```
ob eb
ro
re wsp.rel
se wsp1b.lib
se d0036.lib
se didd.lib
en wsp27_2.run
```

Link aborted saying that the program was too large.

Temporary solution:
Relocate the WSP with the dummy Segment Display Area module.
Add the line: RE SDUM.REL (or RE SDUM_CDS.REL) after relocating the WSP program.

Fix information:
The AGP users manual will be made clearer at A.85.

KPR #: 5000035998 Product: GRAPH/1K-II AGP V2.0 92862A 02.00

Keywords: AGP

One-line description:
HOUSE_AGP.PAS will not compile correctly

Problem:
AGP Product Demo File HOUSE_AGP.PAS will not compile correctly. The PASCAL compiler ran without error, but MACRO reported an error which would be fatal -- duplicate labels.

The problem occurs with the program name in the source code -- longer than 5 characters -- which MACRO truncates to 5 characters to meet RTE program name standards. There is also a subroutine declared in the source code (and invoked, of course) which is explicitly named HOUSE.

Temporary solution:
The problem is correctible by renaming the subroutine to a name like HOUSE_SUBR and altering the statement calling the subroutine to agree with the newly re-named subroutine.

Fix information:
This will be fixed at A.85.

KPR #: 5000036079 Product: GRAPH/1K-II AGP V2.0 92862A 23.40

Keywords: AGP

One-line description:
JDINT can not handle 5-character wsp program names

Problem:
Five character file names do not work in JDINT call in AGP version 2.

Temporary solution:
Use a six character file name by padding the name with a blank.

Fix information:
This will be fixed at A.85.

KPR #: 5000041509 Product: GRAPH/1K-II AGP V2.0 92862A

One-line description:
AGP should be enhanced to look under /PROGRAMS

Problem:
In order to use a workstation program for AGP, the program must be RPed or be a file in the working directory. The ZMNTR program should also look in the /PROGRAMS/ directory. As it is each user's working directory must contain copies of all the necessary workstation programs instead of having them centrally located in the /PROGRAMS/ directory.

Cause:
ZMNTR needs to be enhanced to look in the /PROGRAMS/ directory for the name of the workstation program.

Fix information:
This will be fixed at A.85.

KPR #: 5000041517 Product: GRAPH/1K-II AGP V2.0 92862A

One-line description:
CDS version of VIEW_AGP.FTN can Memory Protect.

Problem:
The program VIEW_AGP.FTN that is supplied with the AGP Version 2 subsystem will not always work. If the code is compiled with the \$CDS ON option and loaded with the UPLIB_CDS.LIB, the program will abort with a MP error.

Cause:
The problem is that there are "CALL CODE" lines in the program and this is what causes the program to abort.

Temporary solution:
The solution is to change the CALL CODE to FORTRAN 77 internal format I/O. The file can be easily edited to work correctly by adding:

```
CHARACTER*80 ASCIICHARS
EQUIVALENCE (ASCIICHARS,ASCII)
```

Then use the following edit command to change each CALL CODE to the form of the internal format:

F/CALL CODE/|P*|+1|G/ASCII/ASCIICHARS/|_100

With these changes the program can be recompiled and it will execute successfully. This problem will only occur if the VIEW_AGP program is executed with the CDS option.

Fix information:
Fixed at A.85

KPR #: 5000020511 Product: GRAPHICS/1000 92840A 00.00

Keywords: GRAPHICS/1000

One-line description:

Graphics/1000 CPlot call does not position pen properly on 9872.

Problem:

GRAPHICS/1000 CPlot call does not position the pen in the correct place. The CPlot call works on the 7245 and the 2648 but not on the 9872 plotter.

Fix information:
Under Investigation.

KPR #: 2200032375 Product: GRAPHICS/1000-II DGL 92841A

One-line description:
LOAD INSTRUCTIONS FOR RTRAN

Problem:
METHOD FOR LOADING RASTER TRANSLATOR ON PAGE A-3 OF GRAPHICS DEVICE HANDLER'S MANUAL DOES NOT APPLY TO RTE-A.

Temporary solution:
WITH RTE-A, THE FOLLOWING COMMAND SHOULD BE USED TO LOAD THE TRANSLATOR PROGRAM: RU,LINK,#RTRAN,RTRAN::CN. THIS WILL PRODUCE A TYPE 6 FILE RTRAN ON CARTRIDGE CN. THE RASTER TRANSLATOR MAY THEN BE RUN AS SPECIFIED IN 'RUNNING THE TRANSLATOR PROGRAM'.

Fix information:
The Graphics/1000-II Device Handlers Manual will be fixed at A.35.

KPR #: 5000006395 Product: GRAPHICS/1000-II DGL 92841A 23.01

Keywords: DGL

One-line description:
Load file '*TAPE' has an error in line 24.

Problem:
THE *TAPE LOAD FILE HAS AN ERROR IN LINE 24. THE DEFAULT LOAD LU (8) IS SET IN GLOBAL 3G. 1G IS USED LATER FOR THE INPUT.

Temporary solution:
THE FILE *TAPE (92841-18356) SHOULD HAVE LINE 24 CHANGED TO:

:CA,1,8

TO CORRECTLY SET THE DEFAULT LU TO 8.

Fix information:
This will be fixed at A.85.

KPR #: 2200015842 Product: IMAGE/1000-II 92081A 23.21

One-line description:
Spurious IMAGE error 112 on DBUDATES

Problem:
PROBLEM DESCRIPTION: SPURIOUS IMAGE ERROR 12 Sometimes returned by DBVPD The data-base in question contains a detail data-set of capacity 1 with 1 entry and no paths to any master data-set. All items in the set have read/write access to the application program. The sequence of IMAGE calls to update this data-set is.....
a) Data-base opened in mode 1, using highest level word.
b) Lock data-set by calling DBLCK
c) Start transaction by calling DBLEG
d) Find the data-set entry--Call DBGET (lbase,id,4,istat,0,dummy,1J)
e) Update data-set entry--Call DBUPD(lbase,id,1,istat,list,buf)
f) End transaction by calling DBEND
g) Unlock data-set by calling DBUNL

On occasions an image error 112 is reported by DBUPD, which should not be possible given the parameters passed and data-set structure. The fault is not repeatable but occurs most often if the modify is the first transaction of the application program and the IMAGE subsystem has just been started up.

KPR #: 5000053884 Product: IMAGE/1000-II 92081A 01.84

One-line description:
runstring wrong for manual entries for DBUTL "ld and ul" commands

Problem:
The IMAGE/1000-II reference manual has an error. The manual has the parameters inverted for unload/load commands in DBUTL.
pg 6-40 DBUTL LD command states the runstring is:
LD,database,datafile,level

The DBUTL help facility has:
LD,datafile,database,level. This is correct.

Same problem exists for UL command for DBUTL on page 6-66. The help file inside DBUTL has already been corrected and shows the correct run string for all these utilities.

Fix information:
Corrected at the A.85 release.

KPR #: 5000053959 Product: IMAGE/1000-II 92081A 24.01

One-line description:
Image error 235 different between quick ref guide and manual

Problem:
Vague error message in IMAGE/1000-II reference manual
Error 235 needs some clarification.

Fix information:
To be fixed at the PCO following A.85

KPR #: 5000055269 Product: IMAGE/1000-II 92081A 00.00

One-line description:

Image error 158 not documented in the manual

Problem:

IMAGE/1000 92081A, IMAGE error 158 not documented in the IMAGE manual.

158 - Program doing remote data base access on RTE-A must not be under session control. Either link the program as a system utility or make a call to DTACH.

Fix information:

Fixed at the A.85 update.

KPR #: 5000052712 Product: MT/CS80 DIAGNOS 24398B 24.01

Keywords: DIAGNOSTICS

One-line description:

24398B diagnostics need to be available on all medias

Problem:

The 24398B product does not have option 044 (3.5" microfloppies available. The mag tape option may not be available. This is unacceptable since the very media that the field needs to troubleshoot may be the only form that the diagnostic is supplied...ergo, how do we load it on the broken unit?

Cause:

Typical combination products are:

micro systems with 3.5" floppy and a 7945 disk...where does the CE get the A-series version of EXR1?

20 slot box with a 7933 and 7974...the 7974 is not working... how do we load a 7974 diagnostic?

The HP 85 is not an acceptable substitute due to the extremely slow speed (each 24398B diag runs 10 to 15 minutes just to load).

Fix information:

24612A and 24398B diagnostics on 3.5-inch microfloppy and 1600 bpi mag tape have been added to the CE/TSE/Librarian subscription services.

Known Problem Reports as of 02/21/85 Page: 9

KPR #: 2200030213 Product: RTE-6 MANUALS 92084 MANUAL 23.40

Keywords: SWITCH

One-line description:
Rw 2226 4B needed to switch to 2226 RTE-6

Problem:
No notice was provided that it is not possible to SWITCH from a pre 2226 IVB system to a 2226 or later version of RTE-6/VM.

Fix information:
As of A.85, the RTE-6/VM Switch and Generator will not load on a RTE-4B system at all. This means that you MUST generate and switch your new RTE-6/VM system on the primary or other RTE-6/VM system. This notice will be included in the A.85 Software Update Notice.

KPR #: 5000026567 Product: RTE-6 MANUALS 92084 MANUAL 00.00

One-line description:
Drivers Writing Manual does not include information for RTE-6/VM

Problem:
User has custom drivers written for RTE-4B system. He is trying to upgrade them for RTE-6/VM. The Driver Writing Manual (92200-93005) does not contain any information on either upgrading the drivers or pointers for writing a new driver from scratch for RTE-6/VM.

Fix information:
Manual Sixth Edition, December 1983, contains information about RTE-6/VM.

KPR #: 5000030916 Product: RTE-6 MANUALS 92084 MANUAL 23.40

Keywords: TF

One-line description:
Undocumented errors, e.g. DISC ERROR

Problem:
The TF documentation does not contain any explanation or even list of the errors it returns. In this case it appears to be a FMP error that TF returns. Many of the FMP routines used to, and may still, return a -1 (DISC ERROR!). There should be a reference that says TF may return FMP error messages, and to look in the CI manual for the list of them.

Known Problem Reports as of 02/21/85 Page: 10

KPR #: 2200011049 Product: RTE-6/VM 92084A 23.40

Keywords: RT6GN

One-line description:
RT6GN spend a page for MR base page even no MR program on a system

KPR #: 5000039214 Product: RTE-6/VM 92084A 00.00

One-line description:
RT6GN does not allow a LU for the list device it must be a file

KPR #: 5000047050 Product: RTE-6/VM 92084A 00.00

Keywords: DVR32

One-line description:
Correctable data error in priv. system can crash system

Fix information:
FIXED IN REV. 2440



KPR #: 2200005918 Product: RTE-A 92077A 23.26

Keywords: FMP

One-line description:

FmpRpprogram doesn't work correctly under special conditions are met

Problem:

A program RP'ed temporarily by one program could be run by another. It would go away after executing, not allowing the original RP'er a chance to run it.

Cause:

FmpRpprogram would check if the specified program was already RP'ed. If so, it would use it. This resulted in the problem stated above.

Fix information:

FmpRpprogram now includes in its list of checks, checking if the ID segment found is temporary and not busy. If it's in this state, a clone of the program is made if the program is allowed to be cloned.

KPR #: 2200011684 Product: RTE-A 92077A 23.40

Keywords: D.RTR

One-line description:

Can't dismount a corrupt directory.

Problem:

Under some conditions, if a CI volume is corrupt, the system won't let you dismount the volume - it returns a -103 error ("disc is corrupt").

Cause:

Sometimes you want to dismount the volume to fix the problem rather than initializing it, but you get a 'catch-22' trying to dismount it.

Fix information:

Fixed in A.85.

KPR #: 2200018317 Product: RTE-A 92077A 24.01

Keywords: OPEN

One-line description:

FMP -12 occurs with Pascal REWRITE on a type 1 file (FmpSetEof problem)

Problem:

Opening a type 1 or 2 file with a Pascal REWRITE to do sequential writes to the file causes an FMP -12 error. The manual claims that this should be legal.

Cause:

The REWRITE code calls FmpSetEof which sets the EOF bit in the DCB. The next read or write to the file will then get a -12 error. FmpSetEof shouldn't be setting the EOF bit on a type 1 or 2 file.

Temporary solution:

- RTE-A -

Use OPEN instead of REWRITE.

KPR #: 2200018523 Product: RTE-A 92077A 24.01

Keywords: RTE-A

One-line description:

Abort messages can display the wrong Current Segment value in CDS

Problem:

The current segment number in the ID segment is not always correct, so sometimes the wrong segment number is printed in abort messages.

Cause:

The CDS microcode cannot easily access ID segments, so the current segment number reflects only code segment changes that the OS knows about, not code segment changes made by the microcode. This can be fixed in the abort message printer. Also the dispatcher can update the ID segment more often. This will help any utilities that may try to monitor CDS programs.

KPR #: 2200018598 Product: RTE-A 92077A 23.40

Keywords: RTE-A

One-line description:

Sometimes a superuser is transferred to a ordinary user.

Problem:

Superuser is sometimes transformed into a non-superuser.

Cause:

MESSS was using the wrong system entry point during one of it's checks for whether or not user was superuser, causing MESSS to come to the wrong conclusion.

Fix information:

Fixed at A.85, MESSS checks the proper entry point.

KPR #: 2200018721 Product: RTE-A 92077A 24.01

One-line description:

System error messages can go to the wrong LUs.

Problem:

System error messages, such as program abort messages can go to the wrong LU. When error messages are output from the system (ie Program aborted due to MP), the error messages can go to the wrong LU. The easiest way to replicate this is to set up a program that continually runs a specified program. Then create a program whose only function is to create an error (MP for example). RP the error causing program on one LU with one name and on a different LU with a different name. On each LU run the program to schedule their respective error causing programs. You will notice that their error messages get interchanged.

- RTE-A -

KPR #: 2200018739 Product: RTE-A 92077A 23.40

One-line description:
EXEC 12 doesn't work right with negative time values.

Problem:
EXEC 12 sometimes works OK with negative time values, and sometimes does not.

Cause:
EXEC 12 does not check for negative values. Then when it does the arithmetic to convert hours to minutes, add to minutes, minutes to seconds, ... it ignores the most significant word of the 2-word math result. This word contains the sign bit, which is important when using negative numbers. Either negative numbers should not be allowed, or the full 2-word valued needs to be used throughout the series of arithmetic steps.

KPR #: 5000055780 Product: RTE-A 92077A 24.01

Keywords: RTAGN

One-line description:
Type extensions are truncated to 3 characters.

Problem:
If 4-character file extensions are supplied to RTAGN, the last letter is truncated.

Cause:
RTAGN doesn't define the file extension string properly, only 3 chars instead of 4.

KPR #: 5000027797 Product: RTE-A MANUALS 92077 MANUAL 00.00

Keywords: RTE-A

One-line description:
Typo in RTE-A Driver Reference Manual

Problem:
As stated on page 3-50 of the Driver Reference Manual (92077-90011) Rev. U1283, the last line of the note paragraph should actually be the last line of the caution paragraph.

Fix information:
Problem will be fixed during the next update of the manual (A.85).

KPR #: 5000041327 Product: RTE-A MANUALS 92077 MANUAL 00.00

Keywords: RTE-A

One-line description:
A900 and A700 Ref Manuals wrong about TBG interrupt mask

Problem:
Page 6-5 Section 6-12 of HP 1000 A900 Computer Reference Manual (02139-90001) Second edition, Update 1, states that the time base generator interrupt can be masked with bit 0 of the interrupt mask register; this conflicts with Section 6-5 of the same manual which states that bit 1 is used to mask the time base generator.

Cause:
Section 6-5 is correct.

Temporary solution:
Change section 6-12 to indicate bit 1.

Fix information:
To be corrected in next update of A900 Ref Manual (02139-90001). The A700 Ref Manual (02137-90001) has the same error and will also be corrected at the next update.

Known Problem Reports as of 02/21/85

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KPR #: 5000045781 Product: RTE-A/VC+ 92078A

Keywords: RTE-A

One-line description:
DTACH

Problem:
THE FOLLOWING COMMANDS DO NOT WORK AS EXPECTED:

```
CI> AT 10:00 AM 1 MIN ABCD
CI> EX
    CONTINUE, LOGOFF, BACKGROUND? B (FOR BACKGROUND)
```

WHEN YOU LOG ON AGAIN, AND DO A WHZAT AL, YOU WOULD EXPECT TO SEE ABCD ON THE TIME LIST (EITHER UNDER THE SYSTEM SESSION OR UNDER A PROGRAMMATIC SESSION). INSTEAD, IT DOES NOT APPEAR AND DOES NOT RUN EITHER.

Fix information:
This problem is fixed as of A.85.

**Data Systems Division
Service Request Form**

SR # _____ (HP only)

Submitted by _____ Date _____

Firm name/Division _____

Street _____

City, State, Zip _____

Phone No. (_____) _____ ext. _____ System Mgr. _____

Computer Type _____ Operating System _____ Rev. _____
(e.g. E, F, XL, Model 5) (e.g. RTE-IVB)

Product Name _____ Rev. _____
(e.g. BASIC, IMAGE/1000, etc.)

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
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