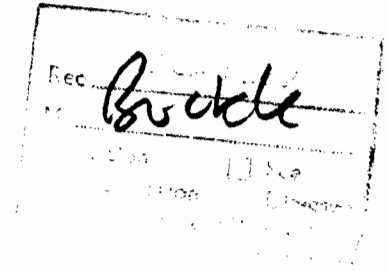


HP 1000

P. LUCEY

SOFTWARE STATUS BULLETIN

Update Issue for
2 week period ending
November 15, 1978



DATA SYSTEMS DIVISION
Cupertino, California

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HP-1000 SYSTEMS
SOFTWARE STATUS BULLETIN FOR THE 2 WEEK PERIOD
PERIOD ENDING ON 11-15-78

PUBLISHED BY HEWLETT-PACKARD DATA SYSTEMS DIVISION
11000 WOLFE ROAD, CUPERTINO, CALIFORNIA 95014

THIS IS AN UPDATE ISSUE, PRINTED EVERY TWO WEEKS.
THE INDIVIDUAL PAGES MAY BE USED TO REPLACE PAGES IN
THE CUMULATIVE ISSUE (PUBLISHED QUARTERLY) AND ADD NEW
PAGES FOR THOSE REPORTS WHICH ARE NEW.

** NOTE: IF YOU HAVE A PROBLEM YOU WISH TO REPORT, YOU MUST
DO SO THROUGH THE LOCAL HP OFFICE. REPORTS MAILED
DIRECTLY TO THE FACTORY ARE NOT GUARRANTEED A
RESPONSE.

YOU MAY ALSO CONTACT YOUR HP OFFICE TO SUBMIT A
REQUEST FOR A CHANGE OR "ENHANCEMENT" TO HP SOFTWARE.
THE REQUEST WILL BE FORWARDED TO THE FACTORY AND YOU
WILL RECEIVE A RESPONSE THROUGH YOUR LOCAL HP
REPRESENTATIVE.

REPORT: 4038 PART/PROD: 92002-12001 1631 LOGGED: 03/08/78 CLOSED: 11/10/78
NAME: FMGR FIX BY: 07/01/78 CHANGE: / /
CODE 4 LAB PERSON:
HP REP: DAVE FULLERTON REGION: NSR COMSYS: 2414

TITLE: CARTRIDGE LIST TO A CRT/LP DM-ABORTS AFTER PRINTING HEADER

PROBLEM: THE PROBLEM ONLY OCCURS ON AN RTE SYSTEM GENERATED WITH THE BATCH MONITOR LIBRARY , %BMLIB , RELOCATED BEFORE THE FMGR MODULES , I.E. %BMPG1 , %BMPG2 , %BMPG3 , IN THE PROGRAM INPUT PHASE. AFTER THE HEADER FOR THE CARTRIDGE LIST (CL) HAS BEEN PRINTED , FMGR ABORTS WITH A DM ERROR. THE PROBLEM DOES NOT OCCUR IF THE CARTRIDGE LIST IS TO A DISC FILE.

EXPLANATION: "CL.." IN FMGR9 SEGMENT USES "REIO" TO OUTPUT THE HEADER TO A CRT OR A LP. "REIO" USES 3 ADDITIONAL WORDS BEYOND THE FRONT OF THE HEADER BUFFER FOR THE TEMPORARY DATA BLOCK (TDB). IN FMGR9 SEGMENT , "LI.." PROCESSOR PRECEDES "CL.." AND IT ALSO CALLS "REIO". WHEN %BMLIB IS RELOCATED FIRST DURING SYSGEN , THE SUBROUTINES ARE FIRST DEFINED IN THE SYMBOL TABLE OF THE GENERATOR. WHEN "LI.." IS RELOCATED , IT PULLS IN ALL THE SUBROUTINES IT NEEDS AND THEY WILL BE APPENDED TO IT. IT HAPPENS THAT "REIO" IS THE LAST SUBROUTINE RELOCATED JUST BEFORE "CL..". THE "CL" HEADER BUFFER RESIDES AT THE VERY BEGINNING OF "CL..". THEREFORE , WHEN "REIO" ADDS THE EXTRA WORDS TO THE FRONT OF THE HEADER BUFFER , IT IS OVERWRITING THE LAST PORTION OF ITSELF WHICH CONTAINS THE RETURN ADDRESS FROM THE I/O EXEC CALL. THEREFORE , WHEN THE OUTPUT IS COMPLETE AND %CIC RETURNS CONTROL TO THE PROGRAM'S SUSPENSION POINT , A JUMP TO AN ERRONEOUS ADDRESS WILL BE EXECUTED , CAUSING THE DM ERROR.

ACTION: RELOCATE THE FMGR MODULES BEFORE RELOCATING THE LIBRARY IN SYSGEN. THE SUBROUTINES INCLUDING "REIO" WILL BE APPENDED BEHIND THE PROCESSORS IN FMGR9 (I.E. "LI.." , "CL.." AND "LU..").
THE END PORTION OF "LI.." WILL BE OVERWRITTEN BY "REIO" WHICH IS OKAY BECAUSE A FRESH COPY OF FMGR9 WILL BE RELOADED INTO MEMORY FOR THE NEXT LI , CL OR LU COMMAND.

A BETTER SOLUTION IS TO RESERVE THREE EXTRA WORDS (FOR TDB) BEFORE THE START OF THE HEADER BUFFER IN "CL.." MODULE.

TO BE INVESTIGATED.

STATUS 3-27-78. FIX IN REV 1826 BY ADDING 3 WORDS BEFORE HEADER.
STATUS 11-10-78. FIXED IN REV 1826 IN REIO.

REPORT: 4231 PART/PROD: 92063-90001 7806 LOGGED: 09/07/78 CLOSED: 11/10/78
NAME: IMAGE MANUAL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
CUSTOMER NAME: CHRIS SAGAN
ADDRESS: JOHN J. HARTE ASSOC.
ATLANTA, GA.

HP REP: PAUL PRIMMER REGION: SSR COMSYS: 3112
SUPPORT SERVICES PRODUCT #: 92063A

TITLE: LEVEL NUMBERS THAT HAVE NO LEVEL WORD ARE TREATED AS LEVEL 0

PROBLEM: IF A LEVEL WORD IS NOT DEFINED FOR A LEVEL NUMBER AND
THAT LEVEL NUMBER IS ASSIGNED TO AN ITEM, THAT ITEM CAN
BE ACCESSED BY ANY LEVEL WORD.

EXPLANATION: FOR EXAMPLE, IF AN ITEM IS DEFINED AS BELOW:

ITEMS:
PART,U10 (2,15);

AND THERE IS NO LEVEL WORD GIVEN FOR LEVEL 2, THEN
THE ITEM CAN BE ACCESSED NO MATTER WHAT THE LEVEL
WORD GIVEN IS. ABSENCE OF A LEVEL WORD DOES NOT
CAUSE THE LEVEL TO DEFAULT TO THE NEXT LOWER LEVEL.

ACTION: WILL BE CLARIFIED IN THE NEXT MANUAL REVISION.
STATUS 11-10-78. NOT ABLE TO REPRODUCE PROBLEM.

HP Computer Museum
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REPORT: 4257 PART/PROD: 92067-90001 7805 LOGGED: 09/29/78 CLOSED: / /
NAME: RTE-IV MANL FIX BY: / / CHANGE: 11/15/78
CODE 10 LAB PERSON:
HP REP: DOUG BASKAM REGION: DIV COMSYS: 0900
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: MANUAL NOT CLEAR ON HOW RECONFIGURATION AFFECTS CONSOLE

PROBLEM: IF THE CONSOLE OR THE DISC HAVE BEEN CHANGED,
THE SELECT CODE THEY OVERLAYED ARE NOT PRINTED OUT
AND IT IS UNCLEAR WHAT HAPPENED TO THEM.

EXPLANATION:

THE SECRET BEHIND THE DISAPPEARING SELECT CODES IS
THAT THE CONFIGURATOR CONTAINS TWO TABLES, A FROM
TABLE AND A TO TABLE. THE SELECT-CODES IN THE
"FROM" TABLE ARE THE SELECT-CODES AS THEY ARE
DEFINED BEFORE RECONFIGURATION. THE SELECT-CODES
IN THE "TO" TABLE ARE THE SELECT-CODES THAT WILL
BE USED AFTER CONFIGURATION. THE DISC AND SYSTEM
CONSOLE ARE ALREADY ENTERED INTO THE "TO" BEFORE
RECONFIGURATION STARTS. THE CONFIGURATOR PRINTS
OUT THE "TO" TABLE, AND THUS WHATEVER WAS IN THE
SELECT CODES NOW OCCUPIED WILL NOT BE PRINTED OUT.
THEY ARE STILL IN THE "FROM" TABLE, HOWEVER, AND
CAN BE SWITCHED TO NEW SELECT CODES IN THE NORMAL
FASHION.

IF THEY ARE NOT SWITCHED TO NEW SELECT CODES ON
INITIAL BOOTUP, THEY WILL BE LOST IF THE CHANGES
ARE MADE PERMANENT.

ACTION: TO BE CHANGED IN THE NEXT MANUAL REVISION.

REPORT: 4268 PART/PROD: 92060-16092 1805 LOGGED: 10/30/78 CLOSED: / /
NAME:FTN-4 COMPILER FIX BY: 01/01/79 CHANGE: / /
CODE 8 LAB PERSON:
HP REP: JIM REED REGION: NSR COMSYS: 2406

TITLE: FTN-4 COMPILER DOES NOT CHECK FOR ILLEGAL SIZE ARRAYS

PROBLEM : THE FORTRAN-IV COMPILER DOES NOT CHECK THE DIMENSIONS
OF ARRAYS DECLARED IN PROGRAMS TO SEE IF THEY ARE
TOO LARGE.

EXPLANATION : CONSIDER THE FOLLOWING PROGRAM:

```
FTN4,L  
PROGRAM TOBIG  
DIMENSION X(180,140)  
DO 10 I=1,180  
DO 10 J=1,140  
X(I,J)=0.  
10 CONTINUE  
END  
END$
```

THE COMPILER RETURNS NO ERRORS OR WARNINGS. ALSO,
THE PROGRAM IS LISTED AS BEING 17678 WORDS LONG,
WHICH IS INCORRECT, SINCE THE ARRAY ALONE REQUIRES
50400 WORDS.

THE LOADER LOADS THE PROGRAM SUCCESSFULLY, BUT UPON
EXECUTION, A DM OR MP ERROR OCCURS.

ACTION : UNDER INVESTIGATION.

STATUS 11-10-78. TO BE FIXED IN REV. 1901.

REPORT: 4271 PART/PROD: 92060-16092 1826 LOGGED: 10/20/78 CLOSED: 11/10/78
NAME:FTN-IV FIX BY: / / CHANGE: / /

CODE 8 LAB PERSON:

CUSTOMER NAME:HOME OIL

ADDRESS:DON PETERS

324-8TH AVENUE S.W.

CALGARY,ALTA

CANADA

HP REP: CHUCK BROPHY REGION: CSR COMSYS: 2006

SUPPORT SERVICES PRODUCT #: 92067A

TITLE: BLOCK DATA SUBPROGRAM WON'T LOAD INTO SYSTEM COMMON

PROBLEM: 2 PROGRAMS USE BLOCK DATA SUBPROGRAM TO PASS
VARIABLES THROUGH SYSTEM COMMON. THE RECEIVING
PROGRAM DOES NOT PICK UP THE VARIABLES.

EXPLANATION: FTN-IV CREATES THE RELOCATABLE BLOCK DATA
SUBPROGRAM WITH TYPE 0(I.E.PROGRAM RELOCATABLE),
INSTEAD TYPE 2 (I.E. COMMON RELOCATABLE).
CONSEQUENTLY, THE BLOCK DATA SUBPROGRAM IS
LOADED IN THE PARTITION WITH THE CALLING
PROGRAM. THE LOADER SHOULD LOAD IT IN THE
SYSTEM COMMON AS SPECIFIED BY THE OPERATOR.

ACTION: PATCH WITH CMM4 THE WORD 6 OF THE ENT RECORD IN
THE RELOCATABLE BLOCK DATA SUBPROGRAM FILE:

SET BITS 5-0 TO "02".

STATUS 11-10-78. THIS IS NOT AN ERROR. A MANUAL
ENHANCEMENT HAS BEEN REQUESTED.

REPORT: 4285 PART/PROD: 924998-160021805 LOGGED: 10/25/78 CLOSED: / /
NAME: FORMATTER FIX BY: 01/01/79 CHANGE: 11/15/78
CODE 7 LAB PERSON:
CUSTOMER NAME: LARRY ELDON
ADDRESS: FORD MOTOR COMPANY

HP REP: MIKE MERCHANT REGION: MSR COMSYS: 2607
SUPPORT SERVICES PRODUCT #: 92063A

TITLE: IF FRMTR POINTERS CONFUSED, RELOAD WON'T CORRECT IN RTE-M

PROBLEM: IF A PROGRAM IS LOADED INTO A PARTITION IN A RTE-M SYSTEM WITH THE FORMATTER APPENDED TO THE END OF THE PROGRAM, AND SOMEHOW SOME OF THE POINTERS INTERNAL TO THE FORMATTER ARE TRASHED, RELOADING THE PROGRAM MAY NOT CLEAR UP THE PROBLEM. THE PROGRAM CAN ABORT WITH MP OR DM ERRORS.

EXPLANATION: A SET OF POINTERS IS RESERVED WITH BSS'S IN THE FORMATTER CODE. IF THE FIRST OF THESE POINTERS ALREADY CONTAINS A KEY INDICATING THAT THE POINTERS ARE SETUP, THE INITIALIZATION ROUTINE IN THE FORMATTER WILL NOT SETUP THE POINTERS AGAIN. AS THIS "SETUP WORD" HAS BEEN RESERVED WITH A BSS RATHER THAN A CONSTANT, THIS WORD WILL NOT NECESSARILY CHANGE IF THE PROGRAM HAS BEEN RELOADED. THEREFORE, THE POINTERS WILL NOT BE SETUP A SECOND TIME WHEN THE PROGRAM IS RUN AGAIN.

NOTE THAT THE DS/1000 APLDR WAS USED TO LOAD THE USER PROGRAM.

ACTION: UNDER INVESTIGATION.

A PROPOSED PATCH IS TO CHANGE THE VARIABLE MANT (LOCATION 111B RELATIVE TO FRMTR) TO OCT 0 RATHER THAN A BSS 1.

A WORKAROUND IS TO WRITE A ZERO IN THIS LOCATION BEFORE DOING ANY INPUT/OUTPUT IN THE PROGRAM. NOTE THAT SOMETHING IN THE USER PROGRAM IS STILL PROBABLY OVERWRITING A SECTION OF THE FORMATTER'S CODE.

NOTE 11/15/78: THE POINTERS NEED NOT BE TRASHED BY THE USER PROGRAM. SIMPLY RELOCATING THE PROGRAM WITH A VERY SMALL OFFSET AND RELOADING IT CAN CAUSE THE PROBLEM.
STATUS 11-10-78. TO BE FIXED IN REV. 1901.

REPORT: 4288 PART/PROD: 24998-16002 1805 LOGGED: 10/25/78 CLOSED: 11/10/78

NAME:FTN4 FORMATTER

FIX BY: / / CHANGE: / /

CODE 8 LAB PERSON:

HP REP: GARY LIM

REGION: DIV

COMSYS: 2200

TITLE: FRMTR DOES NOT FLAG ERROR ON ILLEGAL CHAR ' IN FRMT STMT

PROBLEM : WHEN SPECIFYING TEXT LITERALS IN FORMAT STATEMENTS,
IF THE ILLEGAL CHARACTER ' IS USED INSTEAD OF " ,
NO ERROR IS FLAGGED DURING COMPILATION. UPON
EXECUTION OF THE PROGRAM, A FORMAT ERROR APPEARS.

EXPLANATION : CONSIDER THE FOLLOWING CODE:

```
FTN4,L
PROGRAM TEST
I=5
WRITE(1,100) I
100 FORMAT('THE ANSWER IS',I2)
END
END$
```

THIS RESULTS IN NO ERRORS OR WARNINGS AT COMPILE
TIME.

ACTION : UNDER INVESTIGATION.

STATUS 11-10-78. THIS IS NOT A BUG SINCE FORTRAN DOES NOT
DO FORMAT SYNTAX CHECKING DURING COMPILATION.



REPORT: 4307 PART/PROD: 92060-16092 1805 LOGGED: 10/31/78 CLOSED: 11/10/78
NAME:FTN4 FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: BOB KARASEK REGION: MSR COMSYS: 2605
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: DBL PREC. FUNC DO NOT CHECK DBL PREC. PARAM., GIVES WRONG ANSR

PROBLEM : THE DOUBLE PRECISION FUNCTIONS SUCH AS
DABS, DMAX1, DMIN1, DSIGN, SNGL, DEXP, DLOG, DLOGT,
DSIN, DCOS, DSQRT, DATAN, DATN2, DMOD
REQUIRE PARAMETERS DECLARED AS DOUBLE PRECISION
TYPES. HOWEVER, THE COMPILER DOES NOT CHECK FOR
THIS REQUIREMENT IN THE USER'S CALLING
SEQUENCE. THE FUNCTIONS WHEN EXECUTED WILL
RETURN WRONG VALUES.

EXPLANATION : AS ABOVE.

ACTION : TO BE INVESTIGATED.

IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT HIS/HER
PROGRAM TO BE CORRECT IN THE PROPER PARAMETER TYPES
USED IN THE CALLING SEQUENCES TO THESE FUNCTIONS.

STATUS 11-10-78. THIS IS CONSIDERED AN ENHANCEMENT REQUEST
AND IS BEING CONSIDERED BY THE LAB.

REPORT: 4308 PART/PROD: 92067-90002 1826 LOGGED: 11/01/78 CLOSED: 11/10/78
NAME: RTE-4 GEN MANL FIX BY: / / CHANGE: / /

CODE 10 LAB PERSON:

CUSTOMER NAME: ANDY MARINO

ADDRESS: DATA-COM CORP.

615 ANCHORS DR.

FT. WALTON BEACH, FL

32548

HP REP: DEL KITTENDORF

REGION: SSR

COMSYS: 3177

TITLE: RTE-4 GEN MANL UNCLEAR ON UNITS FOR RT AND BG COMMON

PROBLEM : IT IS NOT CLEAR IN THE RTE-IV ON-LINE GENERATOR MANUAL
WHAT UNITS (I.E. PAGES, WORDS) ARE EXPECTED WHEN
CHANGING BACKGROUND AND REAL-TIME COMMON.

EXPLANATION : DURING THE GENERATION THE QUESTION "CHANGE RT
COMMON?" OCCURS. WHAT IS EXPECTED IS THE
DECIMAL NUMBER OF WORDS WHICH THE USER WANTS
IN RT COMMON (I.E. THE USER INPUTS THE SIZE
OF RT COMMON WHICH HE DESIRES). FOR THE
ANSWER TO THE NEXT PROMPT, "CHANGE BG COMMON?",
THE GENERATOR EXPECTS THE NUMBER OF PAGES BY
WHICH TO INCREASE THE CURRENT SIZE OF BG COMMON.

THE FACT THAT THE GENERATOR LOOKS FOR WORDS FOR
RT COMMON, AND PAGES FOR BG COMMON, IS NOT
EMPHASIZED IN THE MANUAL.

ACTION : UNDER INVESTIGATION.

STATUS 11-10-78. MANUAL APPEARS TO BE SUFFICIENTLY CLEAR.

REPORT: 4309 PART/PROD: 92060-16092 1805 LOGGED: 11/02/78 CLOSED: / /
NAME:FTN-IV FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
CUSTOMER NAME:J. CARR
ADDRESS:ESL CORP.

HP REP: JOE BAILEY REGION: NSR COMSYS: 2460

TITLE: FTN-4 SYM TAB WRONGLY LISTS EQUIVALENCED COMMON VARIABLES

PROBLEM : IN THE FORTRAN-IV SYMBOL TABLE, ADDRESSES OF EQUIVALENCED VARIABLES IN LOCAL COMMON ARE INCORRECTLY LISTED. THIS APPEARS NOT TO AFFECT THE COMPILATION OR EXECUTION OF THE CODE.

EXPLANATION : CONSIDER THE FOLLOWING SECTION OF CODE:

```
COMMON IARRAY(10),AARRAY(10)
COMMON/LAB1/JARRAY(10),BARRAY(10)
COMMON/LAB2/KARRAY(10),CARRAY(10)
EQUIVALENCE (IARRAY(1),I1),(IARRAY(2),I2)
EQUIVALENCE (AARRAY(1),A1),(AARRAY(2),A2)
EQUIVALENCE (JARRAY(1),J1),(JARRAY(2),J2)
EQUIVALENCE (BARRAY(1),B1),(BARRAY(2),B2)
EQUIVALENCE (KARRAY(1),K1),(KARRAY(2),K2)
EQUIVALENCE (CARRAY(1),C1),(CARRAY(2),C2)
```

THIS RESULTS IN SYMBOL TABLE ENTRIES WHICH LOOK LIKE THIS:

A1	0012C	VARIABLE	REAL	COMMON	
A2	00014C	VARIABLE	REAL	COMMON	
AARRAY	00012C	ARRAY(*)	REAL	COMMON	
B1	71425+	VARIABLE	REAL	L COMMON	LAB1
B2	71425+	VARIABLE	REAL	L COMMON	LAB1
BARRAY	00012+	ARRAY(*)	REAL	L COMMON	LAB1
C1	71461+	VARIABLE	REAL	L COMMON	LAB2
C2	71461+	VARIABLE	REAL	L COMMON	LAB2
CARRAY	00012+	ARRAY(*)	REAL	L COMMON	LAB2
I1	00000C	VARIABLE	INTEGER	COMMON	
I2	00001C	VARIABLE	INTEGER	COMMON	
IARRAY	00000C	ARRAY(*)	INTEGER	COMMON	
J1	71425+	VARIABLE	INTEGER	L COMMON	LAB1
J2	71425+	VARIABLE	INTEGER	L COMMON	LAB1
JARRAY	00000+	ARRAY(*)	INTEGER	L COMMON	LAB1
K1	71461+	VARIABLE	INTEGER	L COMMON	LAB2
K2	71461+	VARIABLE	INTEGER	L COMMON	LAB2
KARRAY	00000+	ARRAY(*)	INTEGER	L COMMON	LAB2

NOTE THAT SOME OF THE VARIABLES DO NOT REFLECT THE SAME ADDRESS AS THE ONE THE EQUIVALENCED ARRAY ADDRESSES.

ACTION : UNDER INVESTIGATION.

REPORT: 4310 PART/PROD: 92001-18026 1806 LOGGED: 11/02/78 CLOSED: / /
NAME: DVR05 FIX BY: / / CHANGE: / /
CODE 5 LAB PERSON:
HP REP: LINDA SUNSERI REGION: NSR COMSYS: 2460

TITLE: CR/LF SHOULD NOT BE ISSUED AT END OF A LINE/BLOCK READ REQUEST

PROBLEM : PAGE 5-10 IN THE 2645A REFERENCE MANUAL STATES THAT
AT THE END OF A LINE/BLOCK READ THE CURSOR IS
FORWARDED 1 CHARACTER POSITION WITH NO CR/LF.
HOWEVER, DVR/DVA05 ACTUALLY CONTRADICTS THIS
STATEMENT.

EXPLANATION : CR/LF SHOULD BE SUPPRESSED AT THE END OF A
LINE/BLOCK READ REQUEST AS IS BEING DONE
FOR THE PAGE/BLOCK READ MODE.

ACTION : TO BE INVESTIGATED.

A WORKAROUND SOLUTION IS TO CHANGE THE CONSTANT -
BN13 FROM OCT 140000 TO OCT 40000 IN DVR/DVA05.
THIS WILL CAUSE THE DRIVER TO SUPPRESS CR/LF FOR
THE LINE/BLOCK READ REQUEST.

REPORT: 4311 PART/PROD: 92064-90003 1813 LOGGED: 11/03/78 CLOSED: / /
NAME: RTE-M GEN MANUAL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: EIKO JOHNSON REGION: DIV. COMSYS: 2200
SUPPORT SERVICES PRODUCT #: 92064A

TITLE: BASIC TABLE INPUT FOR HP1B DOES NOT INCLUDE %MESS ROUTINES

PROBLEM: ON PAGE 5-8 , FIGURE 5-1 CONTAINS THE INPUT
PARAMETERS FOR THE BASIC BRANCH AND MNEMONIC
TABLES. THE INPUT LIST FOR HP1B SUBROUTINES
DOES NOT INCLUDE THE ROUTINES INTRODUCED IN
%MESS REV 1805.

EXPLANATION: AS ABOVE.

ACTION: THE MANUAL SHOULD BE CORRECTED.

IF THE TABLES GENERATED FOR THE M SYSTEM WHICH
IS SHIPPED TO THE CUSTOMER DO NOT CONTAIN
ROUTINES FROM %MESS(CLEAR, RMOTE, ETC),
REGENERATED THE TABLES USING THE INPUT SHOWN
IN THE HP1B USERS MANUAL.



REPORT: 4312 PART/PROD: 92002-12001 1826 LOGGED: 11/03/78 CLOSED: / /
NAME:BSM FIX BY: / / CHANGE: / /
CODE 4 LAB PERSON:
HP REP: LARRY W. SMITH REGION: NSR COMSYS: 2403
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: NO ERROR MSG ON CREATING A FILE GREATER THAN 16383 BLOCKS

PROBLEM: THE MAXIMUM BLOCK SIZE THAT CAN BE CREATED BY FMGR
IS 16383 BLOCKS. HOWEVER, WHEN A OPERATOR COMMAND
CR,XX::CR:4:16385 IS ENTERED, A FILE IS CREATED
WITHOUT ANY ERROR MSSEAGE.

EXPLANATION: AS ABOVE.

ACTION: DO NOT CREATE A FILE GREATER THAN 16383 BLOCKS.

REPORT: 4313 PART/PROD: 92060-90014 1826 LOGGED: 11/06/78 CLOSED: / /
NAME: EDITR REF MAN FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: GARY MCCARNEY REGION: ESR COMSYS: 4430

TITLE: EDITR REF MANUAL SAYS NO NEED FOR TAB CHAR TO CHANGE STOPS

PROBLEM : IN THE RTE INTERACTIVE EDITOR REFERENCE MANUAL, PAGE
4-5, IT IS INCORRECTLY NOTED THAT A TAB CHARACTER
NEED NOT BE SPECIFIED IF ONLY THE TAB STOPS ARE TO BE
CHANGED.

EXPLANATION : ACCORDING TO THE MANUAL, IN ORDER TO CHANGE THE
TAB STOPS WITHOUT CHANGING THE TAB CHARACTER, ONLY
THE FOLLOWING NEED BE SPECIFIED:

T7,15

WHAT THE MANUAL SAYS THIS WILL RESULT IN IS THE
SETTING OF THE TAB STOPS TO COLUMNS 7 AND 15.
IF THIS IS DONE, WHAT IN FACT HAPPENS IS THAT THE
CHARACTER "7" BECOMES THE TAB CHARACTER (AND, FOR
THAT MATTER, NO TAB STOPS ARE RECOGNIZED).

ACTION : UNDER INVESTIGATION.

REPORT: 4314 PART/PROD: 92060-90020 1805 LOGGED: 11/06/78 CLOSED: / /
NAME: RTE-2/3 GEN MAN . FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: GARY MCCARNEY REGION: ESR COMSYS: 4430

TITLE: RTE-2/3 ON-LINE GEN MANUAL INCORRECTLY DESCRIBES GEN ERR 04

PROBLEM : ACCORDING TO THE RTE-II/III ON-LINE GENERATOR MANUAL,
A GEN ERR 04 WILL BE FLAGGED ON THE LIST DEVICE, BUT
CONTROL WILL NOT BE TRANSFERRED TO THE OPERATOR CONSOLE.
THIS IS NOT TRUE, SINCE IN FACT CONTROL DOES TRANSFER
TO THE OPERATOR CONSOLE.

EXPLANATION : AS ABOVE.

ACTION : UNDER INVESTIGATION.

REPORT: 4315 PART/PROD: 92001-16020 1813 LOGGED: 11/09/78 CLOSED: / /
NAME: RTE-III DVA12 FIX BY: / / CHANGE: / /
CODE 5 LAB PERSON:
HP REP: ED WHITE REGION: SSR COMSYS: 3111

TITLE: DVA12 HANGS IN INFINITE INDIRECT IF PRINT BUFFER TOO LARGE

PROBLEM : IF THE BUFFER LENGTH IN AN EXEC WRITE IS SUCH THAT THE
BUFFER EXTENDS PAST 77777B, DVA12 HANGS UP IN AN INFINITE
INDIRECT ADDRESSING SITUATION WITH THE RESULT THAT THE
SYSTEM MUST BE REBOOTED.

EXPLANATION : DVA12 USES THE B REGISTER TO KEEP UP WITH THE WORD
ADDRESS FOR CHARACTERS BEING OUTPUT TO THE PRINTER.
WHEN B GETS INCREMENTED TO 100001B, THE INSTRUCTION
LDA B,I CAUSES THE SYSTEM TO HANG UP ON AN INFINITE
INDIRECT.

ACTION : UNDER INVESTIGATION.

REPORT: 4316 PART/PROD: 92002-16008 1805 LOGGED: 11/09/78 CLOSED: / /
NAME: FMGR FIX BY: / / CHANGE: / /
CODE 4 LAB PERSON:
HP REP: GARY LIM REGION: DIV COMSYS: 2200

TITLE: FMGR CREATE W/O LU SPECIFIED ERRS WHEN FULL DIRCTRY ENCOUNTERE

PROBLEM : WHEN THE CREATE COMMAND IN FMGR IS USED AND NO CARTRIDGE IS SPECIFIED AS THE LOCATION OF THE FILE BEING CREATED, THE CARTRIDGE LIST IS PERUSED SERIALLY UNTIL SPACE IS FOUND FOR THE FILE. IF ONE OF THE CARTRIDGES HAPPENS TO HAVE A FULL DIRECTORY, FMGR RETURNS A -14 ERROR AND THE FILE IS NEVER CREATED.

EXPLANATION : CONSIDER THE FOLLOWING SEQUENCE IN FMGR:

```
:CL
LU LAST TRACK CR LOCK
02 255 00002
03 145 00003
29 202 00029
33 202 00032
34 202 00034
```

:CR, JUNK:::3:10

ASSUME THAT LU'S 02 AND 03 ARE FULL. FMGR THEN TRIES TO FIND ROOM ON LU 29. IF LU 29 HAPPENS TO HAVE A DIRECTORY THAT IS FULL, THEN A -14 ERROR IS RETURNED AND NO FILE IS CREATED EVEN THOUGH THERE IS ROOM ON LU 33.

ACTION : UNDER INVESTIGATION.

REPORT: 4317 PART/PROD: 92900-90005 1840 LOGGED: 11/09/78 CLOSED: / /
NAME: DVA47 FIX BY: / / CHANGE: / /
CODE: 10 LAB PERSON:
HP REP: ELISABETH CALOYANNIS REGION: DSD COMSYS: 2200
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: DVA47 DATA CAPTURE DRIVER HAS TO BE LOADED IN SYSTEM DRIVER AR

PROBLEM: THE DVA47 DRIVER MANUAL DOES NOT STATE THAT
IN A RTEIV SYSTEM THIS DRIVER HAS TO BE LOADED
IN THE SYSTEM DRIVER AREA. ALSO BEING VERY
LARGE, IT HAS TO BE LOADED AS THE FIRST
ONE IN THIS AREA.

EXPLANATION: AS ABOVE.

ACTION: INCLUDE THESE INFORMATIONS IN THE MANUAL.

REPORT: 4318 PART/PROD: 92060-16092 1805 LOGGED: 11/13/78 CLOSED: / /
NAME:FTN-IV COMPILER FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: MARTHA ROBRAHN REGION: NSR COMSYS: 2417

TITLE: FTN-4 PASSES NON-EMA PARMS BY VALUE; SHUD BE BY REFERENCE

PROBLEM : SUPPOSE A REFERENCE TO AN EMA ARRAY IS MADE IMMEDIATELY
PRECEDING A CALL TO A SUBROUTINE WITH A NON-EMA ARRAY
PASSED AS A PARAMETER. THE FORTRAN-IV COMPILER COMPILES
CODE WHICH PASSES THESE PARAMETERS BY VALUE INSTEAD OF
BY REFERENCE.

EXPLANATION : CONSIDER THE FOLLOWING SEQUENCE OF CODE:

```
FTN4,L
$EMA(BLK,0)
PROGRAM EMABG
COMMON /BLK/ I(30000)
DIMENSION J(10,10)
I(25000)=0
CALL SUBR(J,J(3,5))
END
```

THIS GIVES A FTN-IV WARNING 48 AND GENERATES A
CALL BY VALUE CODE SEQUENCE. NOTE THAT ARRAY J
IS NOT AN EMA ARRAY, AND THAT THE PARAMETRIC CALL
TO SUBR SHOULD BE A PASS BY REFERENCE SEQUENCE.
THIS OCCURS ONLY WHEN THE REFERENCE TO AN EMA
VARIABLE APPEARS IMMEDIATELY BEFORE THE CALL TO
THE SUBROUTINE. IF ANOTHER STATEMENT
(WITH NO EMA REFERENCES) IS INSERTED, THEN THE
CORRECT CODE IS GENERATED, I.E. :

```
FTN4,L
$EMA(BLK,0)
PROGRAM EMABG
COMMON/BLK/I(30000)
DIMENSION J(10,10)
I(25000)=0
K=1
CALL SUBR(J,J(3,5))
END
```



WHAT SEEMS TO HAVE HAPPENED IS THAT THE FLAG IN
THE COMPILER WHICH IS SET WHEN DEALING WITH EMA
ARRAYS DOES NOT GET RESET BEFORE THE CALL TO
THE SUBROUTINE. THEREFORE THE COMPILER "THINKS"
THAT THE ARRAY BEING PASSED IS EMA WHEN IN FACT
IT IS NOT.

ACTION : THIS HAS BEEN FIXED FOR REVISION 1901.

REPQRT: 4319 PART/PROD: 92101-12001 1826 LOGGED: 11/13/78 CLOSED: / /
NAME: BASIC FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: AL VIGANO REGION: DIV COMSYS: 0000
SUPPORT SERVICES PRODUCT #: 92101A

TITLE: BASIC EDITOR CANNOT EDIT PRINT LINES MORE THAN ONCE.

PROBLEM: THE BASIC INTERPRETER CANNOT THE PENDING LINE MORE THAN
ONCE IF THE PENDING LINE IS A PRINT LINE.

EXPLANATION: FOR EXAMPLE

```
>10 PRINT "HELLO BILL"  
>P////////////////////SAM  
10 PRINT "HELLO SAML"  
>P//////////////////// JONES"  
CAN'T EDIT COMMANDS  
IN LINE 10
```

ACTION: UNDER INVESTIGATION.

REPORT: 4320 PART/PROD: 92067-90001 7805 LOGGED: 11/13/78 CLOSED: / /
NAME: RTE-IV MANL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: FRED STONE REGION: SSR COMSYS: 3177
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: RTE-IV MANUAL NOT CLEAR ON FTN4 CALLING PRIVILIDGED SUBROUTINE

PROBLEM: THE EXAMPLE OF USING \$LIBR & \$LIBX IN THE RTE-IV MANUAL WILL NOT WORK FOR FORTRAN PROGRAMS. THE PROBLEM IS THAT FORTRAN MAIN PROGRAMS ALWAYS INCLUDE A DEF TO THE RETURN POINT AFTER ALL JSB'S. THE SUBROUTINE DOES NOT TAKE THIS INTO ACCOUNT.

EXPLANATION: A CALL TO A SUBROUTINE FROM FTN4 PRODUCES THE FOLLOWING CODE:

```
JSB ENTRY  
DEF **1
```

IN ORDER FOR THE EXAMPLE ON PAGE X4 OF THE RTE-IV MANUAL TO WORK, THE FOLLOWING CODE SHOULD BE CHANGED:

```
ENTRY NOP  
ISZ ENTRY      SKIP OVER "DEF **1" IN MAIN  
JSB $LIBR  
...
```

ACTION: TO BE CLARIFIED IN THE NEXT MANUAL REVISION.

REPORT: 4321 PART/PROD: 02109-90004 7807 LOGGED: 11/13/78 CLOSED: / /
NAME: E/F MPROG MNL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: JOEL DUBOIS REGION: EUR COMSYS: 6300
SUPPORT SERVICES PRODUCT #: 92061A

TITLE: IR BIT 6 SPECIFIED WRONG FOR IOO SIGNAL GENERATION

PROBLEM: IN TABLE 7-1, PAGE 7-19, THE IOO SIGNAL GENERATION SPECIFIES THAT IR BIT 6 CAN BE IN ANY STATE. THIS IS WRONG, IT MUST BE A 0. ALSO ON PAGE 7-20 SECTION 7-26 THE SENTENCE, "THE SAME BIT PATTERN FOR STC,C ALSO SPECIFIES THE IOO SIGNAL." IS WRONG.

EXPLANATION: THE IOO SIGNAL GENERATED AT U368 IN THE CPU IS AN AND FUNCTION OF IR(7), IR(8), IOG, SOME TIMMING SIGNALS, AND NOT IR(6). THEREFORE IR(6) MUST BE 0 TO GENERATE IOO.

ACTION: TO BE CORRECTED IN THE NEXT MANUAL REVISION.

REPORT: 4322 PART/PROD: 92060-16092 1805 LOGGED: 11/13/78 CLOSED: / /
NAME:FTN4 FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: JERRY ARMSTRONG REGION: NSR COMSYS: 2410
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: FORTRAN 4 IF STATEMENT MAY FAIL THE TEST

PROBLEM: INCORRECT RESULT IN IF STATEMENT USING .LT.,.GT.,
.LE., OR .GE.

EXPLANATION: IF THE DIFFERENCE BETWEEN THE 2 INTEGERS IS
GREATER THEN 32767 THE SIGN OF THE RESULT IS
REVERSED.

ACTION: THE COMPILER OUTPUT IS AS FOLLOWS:

```
LDA I  
CMA,INA  
ADA J  
SSA,RSS  
JMP ---
```

IT SHOULD BE:

```
LDA I  
CMA,INA  
CLO  
ADA J  
SOC  
CMA  
SSA,RSS  
JMP ---
```

REPORT: 4323 PART/PROD: 92060-90014 1826 LOGGED: 11/13/78 CLOSED: / /
NAME: RTE EDITOR FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: BOB NILAND REGION: ESR COMSYS: 4450
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: EDITR KILLS TRAILING BLANKS W/O REQUEST ON SOURCE FILE OPEN

PROBLEM: WHEN THE EDITR OPENS THE SOURCE FILE AND MOVES IT
TO THE WORKSPACE, IT KILLS TRAILING BLANKS WHETHER
THE USER DESIRES THIS OR NOT. IT ALTERS THE STRUCTURE
OF A TYPE 3 AND UP FILE, AND WILL CORRUPT A TYPE
2 FILE.

EXPLANATION: AS ABOVE.

ACTION: TO BE DOCUMENTED IN THE NEXT MANUAL UPDATE.

REPORT: 4324 PART/PROD: 92067-90002 1826 LOGGED: 11/14/78 CLOSED: / /
NAME: RTE-IV GEN MANL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: LARRY W. SMITH REGION: NSR COMSYS: 2403

TITLE: RTE-IV GEN MANUAL DOES NOT MENTION TRACK MAP NOT CHECKED

PROBLEM : THE RTE-IV ON-LINE GENERATOR MANUAL DOES NOT CLEARLY
STATE THAT THE TRACK ASSIGNMENT DEFINED DURING GENERATION
IS NOT CHECKED FOR ERRORS (I.E. 416 TRACKS DEFINED
INSTEAD OF MAXIMUM 411).

EXPLANATION : AS ABOVE.

ACTION : UNDER INVESTIGATION.

REPORT: 4325 PART/PROD: 92067-16002 1840 LOGGED: 11/14/78 CLOSED: / /
NAME: RTE-IV LOADR FIX BY: / / CHANGE: / /
CODE 14 LAB PERSON:
HP REP: LARRY W. SMITH REGION: NSR COMSYS: 2403

TITLE: RTE-IV LOADR DOES NOT ALLOW LIST DEV IN RU COMMAND STRING

PROBLEM : THE RTE-IV RELOCATING LOADER RETURNS AN ERROR WHEN
A LIST DEVICE IS SPECIFIED IN THE PARAMETER STRING
OF THE "RU,LOADR" COMMAND.

EXPLANATION : THE FOLLOWING SEQUENCE GENERATES A "L 10" ERROR:

:RU,LOADR,,,6

-OR-

:RU,LOADR,,,<TERMINAL LU>

THIS CAUSES THE LOADR TO ABORT.

ACTION : UNDER INVESTIGATION.

REPORT: 4326 PART/PROD: 92067-16002 1840 LOGGED: 11/14/78 CLOSED: / /
NAME: RTE-IV LOADR FIX BY: / / CHANGE: / /
CODE 14 LAB PERSON:
HP REP: LARRY W. SMITH REGION: NSR COMSYS: 2403

TITLE: RTE-IV LOADR DOES NOT CHECK FOR SYNTAX ERRORS ON INPUT

PROBLEM : THE RTE-IV RELOCATING LOADER DOES NOT RETURN ERRORS
WHEN IMPROPER SYNTAX IS INPUT DURING THE INTERACTIVE
MODE.

EXPLANATION : THE LOADER APPEARS TO DO MINIMAL SYNTAX CHECKING
AND SEEMS TO CHOOSE TO IGNORE IMPROPER INPUT
RATHER THAN GENERATE ERROR MESSAGES. THE FOLLOWING
SEQUENCE ILLUSTRATES:

```
:RU,LOADR  
/LOADR: SZ=12  
/LOADR: RE,%BUG::-34  
BUG 32002 32461  
/LOADR: END
```

```
.  
. .  
4 PAGES RELOCATED 4 PAGES REQ'D . . . .  
/LOADR:BUG READY
```

NO ERROR IS REPORTED, AND THE SIZE IS NOT INCREASED
TO 12 PAGES AS DESIRED. THIS IS ALSO THE CASE FOR
OTHER OPTIONS AS WELL.

ACTION : UNDER INVESTIGATION.

REPORT: 4327 PART/PROD: 92002-16008 1805 LOGGED: 11/14/78 CLOSED: / /
NAME: FMGR FIX BY: / / CHANGE: / /
CODE 4 LAB PERSON:
HP REP: D. ZURAS REGION: DIV COMSYS: 2200

TITLE: FMGR TRANSFER TO NON-EXISTENT FILE STAYS ON TR STACK

PROBLEM : IN FMGR, A TRANSFER TO A NON-EXISTENT FILE CORRECTLY
RETURNS A FMGR-006 ERROR, BUT INCORRECTLY PUSHES
THE TR REQUEST ONTO THE TRANSFER STACK. HENCE, ONE
CAN DO EIGHT TRANSFERS TO A NON-EXISTENT FILE, AND
GET A FMGR 013 ERROR (TR STACK OVERFLOW) ON THE NINTH
TRANSFER, EVEN IF THE TRANSFER IS TO AN EXISTING FILE.

EXPLANATION : AS ABOVE.

ACTION : UNDER INVESTIGATION.

REPORT: 4328 PART/PROD: 92060-90013 1826 LOGGED: 11/14/78 CLOSED: / /
NAME:BSM REF MANL FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: GARY LIM REGION: DIV COMSYS: 2200

TITLE: BSM MANUAL PARAGRAPH 2-7 VAGUE ABOUT PRIVILEGED COMMANDS

PROBLEM : IN THE BATCH SPOOL MONITOR REFERENCE MANUAL, PAGE 2-8,
THE DESCRIPTION OF PRIVILEGED COMMANDS IS VAGUE IN
THAT LITTLE DISTINCTION IS MADE BETWEEN THE SO-CALLED
PRIVILEGED COMMANDS AND NON-PRIVILEGED COMMANDS.
THIS IS POTENTIALLY CONFUSING.

EXPLANATION : AS ABOVE.

ACTION : UNDER INVESTIGATION.

REPORT: 4329 PART/PROD: 92060-90010 7704 LOGGED: 11/14/78 CLOSED: / /
NAME: RTEBSM PKT GUIDE FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: STEVE HIGHLAND REGION: NSR COMSYS: 2403
SUPPORT SERVICES PRODUCT #: 92060

TITLE: ASCII/OCTAL TABLE IN ERROR

PROBLEM: THE ASCII/OCTAL TABLE ON PAGE 78 OF THE POCKET GUIDE
SHOWS ESC TO BE AN OCTAL 176. IT SHOULD BE AN OCTAL
33. ALSO THERE ARE SEVERAL OTHER ERRORS IN THE TABLE.

THE FOLLOWING CORRECTIONS SHOULD BE MADE ON PAGE
78 AND 79:

IS	SHD BE
ACK (1 CIRCLED)	(VERT BAR) (RIGHT BRACE)
ESC	(TILDE)
SUM	SOH
EOA	STX
EOM	ETX
WRU	ENQ
RU	ACK
ERR	NAK
LEM	ETB
S0	CAN
S1	EM
S2	SUB
S3	ESC
S4	FS
S5	GS
S6	RS
S7	US

ALSO ON PAGE 79 UNDER RTE SPECIAL CHARACTERS SOM
SHOULD BE SOH.

EXPLANATION: AS ABOVE

ACTION: TO BE ENCORPORATED IN THE NEXT MANUAL REVISION.

REPORT: 4330 PART/PROD: 92067-90004 7810 LOGGED: 11/15/78 CLOSED: / /
NAME: RTE-IV SNC FIX BY: / / CHANGE: / /
CODE 10 LAB PERSON:
HP REP: JAY BURKHART REGION: MSR COMSYS: 2605
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: RTE-IV SOFTWARE NUMB CAT - BOOT PROCEDURE WRONG FOR 7900 DISC

PROBLEM: THE EXAMPLE OF BOOTING UP A GRANDFATHER RTE-IV SYSTEM
IN THE RTE-IV SOFTWARE NUMBERING CATALOG IS MISLEADING.
PAGE A-3 SPECIFIES THAT BIT 12 IS SET TO 1 TO INDICATE
"A MANUAL BOOT FROM THE SWITCH REGISTER". BIT 12
IS ACTUALLY SET TO DISTINGUISH BETWEEN A 7900 AND A
7905 DISC.

EXPLANATION: AS ABOVE

ACTION: TO BE CLARIFIED IN THE NEXT MANUAL REVISION.



REPORT: 4331 PART/PROD: 92903A 1840 LOGGED: 11/15/78 CLOSED: / /
NAME: DATA CAP FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: DANIEL POT REGION: DIV COMSYS: 6300
SUPPORT SERVICES PRODUCT #: 92903A

TITLE: SOFTKEYS CAN BE SET TO TERMINATORS EVEN IF NOT SPECIFIED

PROBLEM: DATA CAP CAN ERRONEOUSLY ASSIGN SOFTKEYS TO BE
TERMINATORS.

EXPLANATION: FOR EXAMPLE, A TRANSACTION WAS DEFINED IN WHICH SOFT
KEYS (ON THE 3070 TERMINAL) #5 THRU 11 WERE VALUE KEYS
AND #5,9,10 WERE TERMINATORS TOO. WHEN RUNNING,
KEYS #6 AND #7 WERE TERMINATORS TOO.

ACTION: UNDER INVESTIGATION.

REPORT: 4332 PART/PROD: 92903A 1840 LOGGED: 11/15/78 CLOSED: / /
NAME: DATACAP FIX BY: / / CHANGE: / /
CODE 8 LAB PERSON:
HP REP: FRANCOIS GAULLIER REGION: DIV COMSYS: 2200
SUPPORT SERVICES PRODUCT #: 92903A

TITLE: DATACAP CANNOT PERFORM ANY FUNCTION ON 8TH IMAGE DATA SET

PROBLEM: DATA-CAP CANNOT PERFORM ANY FUNCTION (IE ADD, UPDATE,
DELETE) ON THE 8TH OR ANY HIGHER NUMBERED IMAGE
DATA SET.

EXPLANATION: ONLY 3 BITS WERE RESERVED TO HOLD THE DATA SET NUMBER.

ACTION: UNDER INVESTIGATION.

REPORT: 4333 PART/PROD: 92060-12003 1840 LOGGED: 11/15/78 CLOSED: / /
NAME: RTE-III FIX BY: / / CHANGE: / /
CODE 4 LAB PERSON:
HP REP: RANDY HAMMOND REGION: SSR COMSYS: 3183
SUPPORT SERVICES PRODUCT #: 92060B

TITLE: SCHEDULER DOES NOT RETURN BIT 13 SET IF PROG PUT ITSELF IN TL

PROBLEM: IF PROGRAM A PUTS ITSELF IN THE TIME LIST WITH A
CALL EXEC(12,0,...) AND PROGRAM B DOES A SCHEDULE
REQUEST (CALL EXEC(9 OR 10 + 100000B,PROGA) WITH
THE NO-ABORT BIT SET, A ZERO IS RETURNED IN THE A
AND B REGISTERS, BUT PROGRAM A IS STILL DORMANT.

EXPLANATION: PROGRAM A IS NOT SUPPOSED TO BE SCHEDULED IF IT
PUT ITSELF INTO THE TIME LIST, BUT BIT 13 OF THE
A REGISTER SHOULD HAVE BEEN SET.

ACTION: UNDER INVESTIGATION.

REPORT: 4334 PART/PROD: 92067-16014 1840 LOGGED: 11/15/78 CLOSED: / /
NAME: RTE-IV FIX BY: / / CHANGE: / /
CODE 14 LAB PERSON:
HP REP: RANDY HAMMOND REGION: SSR COMSYS: 3183
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: SCHEDULER DOES NOT RETURN BIT 13 SET IF PROG PUT ITSELF IN TL

PROBLEM: IF PROGRAM A PUTS ITSELF IN THE TIME LIST WITH A
CALL EXEC(12,0,...) AND PROGRAM B DOES A SCHEDULE
REQUEST (CALL EXEC(9 OR 10 + 100000B,PROGA) WITH
THE NO-ABORT BIT SET, A ZERO IS RETURNED IN THE A
AND B REGISTERS, BUT PROGRAM A IS STILL DORMANT.

EXPLANATION: PROGRAM A IS NOT SUPPOSED TO BE SCHEDULED IF IT
PUT ITSELF INTO THE TIME LIST, BUT BIT 13 OF THE
A REGISTER SHOULD HAVE BEEN SET.

ACTION: UNDER INVESTIGATION.

REPORT: 4335 PART/PROD: 24998-90001 1805 LOGGED: 11/15/78 CLOSED: / /
NAME: RTE REL LIB MANL FIX BY: / / CHANGE: / /

CODE 10 LAB PERSON:
CUSTOMER NAME: RICHARD GILBERT
ADDRESS: GAS DYNAMICS LAB
FORRESTAL CAMPUS
PRINCETON UNIV.
PRINCETON, NJ 08540

HP REP: GARY LIM REGION: DIV COMSYS: 2200

TITLE: RTE REL LIB MANUAL SAYS MAGTP DOES BLOCKED I/O; IT DOESN'T

PROBLEM : THE DOS/RTE RELOCATABLE LIBRARY REFERENCE MANUAL,
PAGE 3-15, ERRONEOUSLY REPORTS THAT THE LIBRARY ROUTINE
MAGTP PERFORMS BLOCKED INPUT/OUTPUT, WHEN IN FACT IT
DOES NOT.

EXPLANATION : AS ABOVE.

ACTION : UNDER INVESTIGATION.

REPORT: 4336 PART/PROD: 92067-16006 1840 LOGGED: 11/15/78 CLOSED: / /
NAME: CONFIGURATOR FIX BY: / / CHANGE: / /
CODE 14 LAB PERSON:
HP REP: DOUG BASKAM REGION: DIV COMSYS: 0900
SUPPORT SERVICES PRODUCT #: 92067A

TITLE: CONFIGURATOR CHANGES SYSTEM CONSOLE INTERRUPT TBL TO EQT ENTRY

PROBLEM: AFTER RUNNING THE RTE-IV CONFIGURATOR, THE INTERRUPT
TABLE ENTRY FOR THE SYSTEM CONSOLE POINTS TO THE
EQT OF THE SYSTEM CONSOLE, REGARDLESS OF WHETHER
IT WAS GENERATED THIS WAY OR POINTING TO A PROGRAM
(SUCH AS PROMPT).

EXPLANATION: AS ABOVE.

ACTION: UNDER INVESTIGATION.

NOTE THAT THIS WAS ORIGINALLY THOUGHT TO BE A MANUAL
BUG LOGGED IN SST #4257.

READER COMMENT SHEET

HP 1000 SOFTWARE STATUS BULLETIN
5955-3201 November 15, 1978

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