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**

** SSS Y Y SSS TTTT FEEEE M M

** S S Y Y S S T E MM MM

** S Y Y S T E M M M

** SSS Y SSS T EEEE M M M

** S Y S T E M M

** S S Y S S T E M M

** SSS Y SSS T EEEEE M M

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**

**

** U U PPP CCC AAA SSS EEEEE U U PPP III N N F

** U U P P C C A A S S E U U P P I NN N F

** U U P P C A A S E U U P P I N N N F

** U U PPP C AAAAA SSS EEEE ----- U U PPP I N N N F

** U U P C A A S E U U P I N N N F

** U U P C C A A S S E U U P I N N N F

** UUU P CCC A A SSS EEEEE UUU P III N N F

**

**

**

* UFD UPDATE INFORMATION FILE REV. 16.4

* THIS UFD CONTAINS ALL SOFTWARE UPDATES GENERATED AFTER
 * THE LAST MASTER DISK RELEASE. TO UPDATE THOSE FILES
 * REQUIRED ON YOUR MASTER DISK, FUTIL COPY THE PROGRAM
 * REQUIRED TO THE UFD SPECIFIED IN THE TABLE UNDER THE -TO- COLUMN
 * AND USE UPXXX AS THE PROGRAM TO COPY AND THE NAME UNDER
 * THE NAME COLUMN AS THE NAME THE PROGRAM IS TO BE COPIED AS.

* NOTE: ALL -TO- UFD'S MAY NOT EXIST ON YOUR
 * DISK IF YOU HAVE A 6 OR 12 MEG.BYTE DISK.

* EXAMPLE: UPDATE NO. NAME TO
 * -----
 * UPC01 CPUT1 T&M

* FUTIL
 * >FROM 'THIS UFD' NOT NEEDED IF THIS IS HOME UFD
 * >TO T&M
 * >COPY UP001 CPUT1
 * >QU

* NOTE: > EQUALS SUB-UFD IN -TO- COLUMN
 * NA EQUALS NOT ASSIGNED

USED ON (UFDNAME)		DEFINITION
-----		-----
8000	P8000	COBOL
8020	P8020	RJ2780
8060	P8060	RJCDC
8100	P8100	PRIMOS 4/5
8120	P8120	HASP300&400
8140	P8140	DBMS (DATABASE)
8150	P8150	RPG
8160	P8160	FORMS
8300	P8300	SPSS
8410	P8410	DPTX-DSC
8420	P8420	DPTX-TSF
8430	P8430	DPTX-TCF
8440	P8440	PRINET
8450	P8450	X.25
8520	P8520	BASICV

SET TABS 12 21 46 58 66 75

UPDATE NO.	NAME	TO	SOURCE NO.	SCN NO.	DATE	USED ON
-----	-----	-----	-----	-----	-----	-----

* REV. 16.4 APRIL 20, 1979

UP001	DPTX-DSC	<M164B1>MFD (DIRECTORY)	042079	8410
UP002	DPTX-TSF	<M164B1>MFD (DIRECTORY)	042079	8420
UP003	DPTX-TCF	<M164B1>MFD (DIRECTORY)	042079	8430
UP004	BASICV	<M164B1>MFD (DIRECTORY)	042079	8529
UP005	SKIPPED			
UP006	SKIPPED			
UP007	APLIB	<M164A1>MFD (DIRECTORY)	042079	8100
UP008	APLIB	<M164A1>LIB (BINARY)	042079	8100
UP009	VAPPL3	<M164A1>LIB (BINARY)	042079	8100
UP010	RUNOFF	<M164A1>MFD (DIRECTORY)	042079	8100
UP011	RUNOFF	<M164A1>CMDNCC (RUN)	042079	8100
UP012	SEC	<M164A1>MFD (DIRECTORY)	042079	8100
UP013	SEG	<M164A1>CMDNCC (RUN)	042079	8100
UP014	SHARE4	<M164A1>LIB (RUN)	042079	8100
UP015	EDF	<M164A1>MFD (DIRECTORY)	042079	8100
UP016	FBI	<M164A1>CMDNCC (RUN)	042079	8100
UP017	LOAD	<M164A1>MFD (DIRECTORY)	042079	8100
UP018	LOAD	<M164A1>CMDNCC (RUN)	042079	8100
UP019	MAGSR	<M164A1>MFD (DIRECTORY)	042079	8100
UP020	MAGRST	<M164A1>CMDNCC (RUN)	042079	8100
UP021	MAGSAV	<M164A1>CMDNCC (RUN)	042079	8100
UP022	MAGSAV	<M164B1>CMDNCC (RUN)	042079	8100
UP023	FTN	<M164A1>MFD (DIRECTORY)	042079	8100
UP024	FTN	<M164A1>CMDNCC (RUN)	042079	8100
UP025	FTNOPT	<M164A1>MFD (DIRECTORY)	042079	8100
UP026	FTNOPT	<M164A1>CMDNCC (RUN)	042079	8100
UP027	COROL	<M164B1>MFD (DIRECTORY)	042079	8000
UP028	C4000	<M164B1>SYSTEM (BINARY)	042079	8000
UP029	C2014A	<M164B1>SYSTEM (BINARY)	042079	8000
UP030	C2014B	<M164B1>SYSTEM (BINARY)	042079	8000
UP031	FLID6V	<M164A1>MFD (DIRECTORY)	042079	8100
UP032	VDSPK5	<M164A1>MFD (DIRECTORY)	042079	8100
UP033	DOSPK5	<M164A1>MFD (DIRECTORY)	042079	8100
UP034	IFTNLIB	<M164A1>LIB (BINARY)	042079	8100
UP035	PFTNLIB	<M164A1>LIB (BINARY)	042079	8100
UP036	NEFTNLB	<M164A1>LIB (BINARY)	042079	8100
UP037	FINLIB	<M164A1>LIB (BINARY)	042079	8100
UP038	S4P00	<M164A1>SYSTEM	042079	8100
UP039	S2014A	<M164A1>SYSTEM	042079	8100
UP040	S2014B	<M164A1>SYSTEM	042079	8100
UP041	BASIC	<M164A1>MFD (DIRECTORY)	040278	8100
UP042	BASIC	<M164A1>CMDNCC (RUN)	042079	8100
UP043	DBASIC	<M164A1>MFD (DIRECTORY)	042079	8100
UP044	DBASIC	<M164A1>CMDNCC (RUN)	042079	8100
UP045	PRI400	<M164A1>MFD (DIRECTORY)	042079	8100
UP046	PI10UN	<M164A1>MFD (DIRECTORY)	042079	8100
UP047	PRINET	<M164B1>MFD (DIRECTORY)	042079	8440
UP048	X.25	<M164B1>MFD (DIRECTORY)	042079	8450
UP049	FIXRAT	<M164A1>MFD (DIRECTORY)	042079	8100
UP050	FIXRAT	<M164A1>CMDNCC (RUN)	042079	8100
UP051	FIXRAT	<M164B1>CMDNCC (RUN)	042079	8100
UP052	MIDAS	<M164A1>MFD (DIRECTORY)	042079	8100
UP053	KIDALP	<M164B1>LIB (BINARY)	042079	8100
UP054	KIDALP	<M164B1>LIB (BINARY)	042079	8100

UP055	VKDALB	<M164B1>LIB (BINARY)	042079	8100
UP056	NVKDALP	<M164B1>LIB (BINARY)	042079	8100
UP057	K4CC0	<M164A1>SYSTEM (BINARY)	042079	8100
UP058	K2L14A	<M164A1>SYSTEM (BINARY)	042079	8100
UP059	K2F14B	<M164A1>SYSTEM (BINARY)	042079	8100
UP060	CREATK	<M164A1>CMDNCC (RUN)	042079	8100
UP061	KEUILB	<M164B1>CMDNCC (RUN)	042079	8100
UP062	KINDLL	<M164B1>CMDNCC (RUN)	042079	8100
UP063	REPAKE	<M164A1>CMDNCC (RUN)	042079	8100
UP064	FRD.F	<M164A1>SYSCOM (SOURCE)	042079	8100
UP065	ERRD.P	<M164A1>SYSCOM (SOURCE)	042079	8100
UP066	SETSIZ	<M164A1>LIB7 (SOURCE)	042079	8100
UP067	DBMS	<M164B1>MFD (DIRECTORY)	042079	8140
UP068	CPUT4	TMS400(SOURCE)	SRC1334.000 0217	042079 8100
UP069	C_CPUT4	TMS400 (COMMAND FILE)	042079	8100
UP070	CPUT4	T&M (RUN)	042079	8100
UP071	RTCT2	T&MSPC (SOURCE)	SRC0784.007 0205	042079 8100
UP072	RTCT2	T&M (RUN)	042079	8100
UP073	PRMNT1	TMS400 (SOURCE)	SRC1326.003 0246	051079 8100
UP074	PRMNT1	T&M (RUN)	051079	8100
UP075	VITYT1	TMS400 (SOURCE)	SRC1328.000 0208	042079 8100
UP076	VITYT1	T&M (RUN)	042079	8100
UP077	C_VITYT1	T&M (COMMAND FILE)	042079	8100
UP078	URCT1	T&MSR1 (SOURCE)	SRC0732.005 0201	042079 8100
UP079	URCT1	T&M (RUN)	042079	8100
UP080	P4WCST	TMS400 (SOURCE)	SRC1311.002 0216	042079 8100
UP081	P4WCST	T&M (RUN)	042079	8100
UP082	STLRT2	TMS400 (SOURCE)	SRC1313.004 0215	042079 8100
UP083	STLRT2	T&M (RUN)	042079	8100
UP084	PXT1	TMS400 (SOURCE)	SRC1304.006 0214	042079 8100
UP085	PXT1	T&M (RUN)	042079	8100
UP086	CPTT1	T&MSR1 (SOURCE)	SRC1324.002 0196	042079 8100
UP087	CPTT1	T&M (RUN)	042079	8100
UP088	ANLCT5	T&MSR1 (SOURCE)	SRC1325.001 0219	042079 8100
UP089	ANLCT5	T&M (RUN)	042079	8100
UP090	DISCT1	T&MSR1 (SOURCE)	SRC0787.011 0218	042079 8100
UP091	DISCT0	T&M (DIRECTORY)	042079	8100
UP092	NEWSPL	<M164A1>MFD (DIRECTORY)	042079	8100
UP093	SPOOL0	<M164A1>MFD (DIRECTORY)	042079	8100
UP094	SPOOL	<M164A1>CMDNCC (RUN)	042079	8100
UP095	VSP003	<M164A1>LIB (BINARY)	042079	8100
UP096	SPOOL3	<M164A1>LIB (BINARY)	042079	8100

END OF UPDATE TABLE

REASON FOR CHANGE

TA	15	20
UP001	(DPTX-DSC)	THIS IS A NEW PRODUCT FOR REV. 16.4 .
UP002	(DPTX-TSF)	THIS IS A NEW PRODUCT FOR REV. 16.4 .
UP003	(DPTX-TCF)	THIS IS A NEW PRODUCT FOR REV. 16.4 .
UP004	(PASICV)	TO FIX LEADING SPACES IN "WRITE USING" FORMAT STRING.

WHICH WERE PREVIOUSLY IGNORED.

- *
UP007 (APPLIB) 16.4 FIXES A MINOR BUG FOUND IN MSUBSA (MOVE SUBSTRING) WHICH CAUSED OVERLAPPING FIELDS TO BE MOVED INCORRECTLY.
- *
UP008 (APPLIB) SEE UP007.
- *
UP009 (VAPPLB) SEE UP007.
- *
UP010 (RUNOFF) (1) TARS 23221 & 23222 INVOLVING PROBLEMS WITH DECIMALIZATION COMMANDS PARTICULARLY ".DL"
(2) CAUSES ".SM" COMMAND TO TAKE EFFECT ON NEXT PAGE RATHER THAN WRITING ON EXTRA PAGE.
(3) NO LONGER SAVE A PLACE FOR THE PHANTOM HYPHENS IN THE TABLE OF CONTENTS.
(4) STACK FILE NAMES FOR ERROR MESSAGES CORRECTLY.
- *
UP011 (RUNOFF) SEE UP010.
- *
UP012 (SEG) (1) ALLOW TREE NAME IN QUOTES AS INPUT TO CMDSEG.
(2) REINITIALIZE DEFAULT MODE IN 64V.
(3) FLAG 64R WHEN IN "NEVER 64" MODE.
(4) SHARE A SPLIT MODULE LESS THAN 4000 (BASE 8) WORDS IN LENGTH AND DISPLAY STACK ADDRESS DURING THE LOAD.
(5) HANDLE AN INTEGER*4 COMMON BLOCK WITH THE DIMENSION 65536.
NO TARS
- *
UP013 (SEG) SEE UP012.
- *
UP014 (SHARE4) SEE UP012.
- *
UP015 (EDB) (1) FLAG SOURCE INPUT FILE AS A "BAD OBJECT FILE".
(2) GENET (OBSOLETE BUT STILL SUPPORTED) NOW WORKS.
- *
UP016 (EDB) SEE UP015.
- *
UP017 (LOAD) (1) TAR 25536 DEFERRED COMMON ON A LIBRARY "COMMON" BLOCK BUG FIXED.
(2) ALLOWS LARGER COMMON REDEFINITION WHEN DEFERRED.
- *
UP018 (LOAD) SEE UP017.
- *
UP019 (MAGSR)
- *
UP020 (MAGRST) (1) HANDLES THE CONDITION THAT "A NON DATA RECORD FOLLOWS A UFD TREE NAME RECORD".
(2) PRINT ERROR MESSAGE AND PAUSE WHEN A "DISC FULL" CONDITION OCCURS. (TAR 11969)
(3) PRINT PATHNAME OF THE FILE AT THE TIME AN "UNEXPECTED EOF" CONDITION OCCURS.
(4) SET READ/WRITE LOCK CORRECTLY. (TAR 10554)
(5) REMOVE "-LONG" FROM USAGE LINE. (TAR 22800)
- *
UP021 (MAGSAV) (1) SAVE UFD WHICH HAS "READ ONLY" PERMISSION TO NON-

OWNER AND FILES WITHIN THAT UFD WHICH PERMIT READ ACCESS TO NON-OWNER. PASSWORDS FOR THE SAVED UFD ARE SET TO NULL.

(2) WHEN PROGRAM ASKS FOR A NEW TAPE, PROGRAM CHECKS TO SEE IF THE NEW TAPE IS AT LOAD POINT. IF NOT, AND THE TAPE IS THE SECOND PHYSICAL REEL OF A LOGICAL TAPE, PROGRAM WILL QUERY USER TO SEE IF HE WANTS THE TAPE TO BE REWOUND. IF HIS ANSWER IS "YES", TAPE WILL BE REWOUND. IF THE ANSWER IS "NO", PROGRAM WILL ASK FOR A NEW TAPE UNIT.

*
UP022 (MAGSAV) SEE UP021.

*
UP023 (FTN) TAR 23673 GENERALIZED SUBSCRIPTS CAN GENERATE BAD CODE WHEN A VARIABLE IS SUBTRACTED FROM A CONSTANT.

TAR 25264 "LS" AND "RS" INTRINSICS GENERATE BAD CODE FOR NEGATIVE SHIFT COUNTS.

TAR 25561 THE COMPILER HANGS WHEN IN 64V MODE A STATEMENT FUNCTION IS PASSED AS AN OCTAL ARGUMENT.

WHEN A "\$INSERT" FILE IS NOT FOUND, THE ERROR MESSAGE WILL NOT CONTAIN A SPURIOUS "I". THE "SHORTCALL" STATEMENT WORKS WITH LIBRARY CONVERSION FUNCTIONS. MINOR PROBLEMS IN PARSING ARRAY REFERENCES AND STATEMENT FUNCTIONS ARE FIXED. THE COMPILER USED TO GET THE EXCESS SUBSCRIPTS AND TOO FEW SUBSCRIPTS ERROR MESSAGES REVERSED.

*
UP024 (FTN) SEE INFO ON UP023.

*
UP025 (FTNOPT) ALL THE FIXES FOR "FTN" APPLY TO "FTNOPT" AS WELL. OPTIMIZER PROBLEMS WHICH HAVE BEEN FIXED ARE:

-USE OF THE DO LOOP OPTIMIZER SOMETIMES PRODUCED LESS EFFICIENT CODE OUTSIDE LOOPS

-TEMPORARY VARIABLES INSIDE OPTIMIZED DO LOOPS WERE NOT ALWAYS FREED PROPERLY

-OPTIMIZED DO LOOPS OCCASIONALLY HAD BAD CODE FOR MIXED MODE ARITHMETIC.

*
UP026 (FTNOPT) SEE INFO ON UP025.

*
UP027 (COBOL) TO CORRECT TAR 25666. QUALIFIED DATA NAMES NOT OPERATING CORRECTLY.

*
UP028 (C4000) SEE UP027.

*
UP029 (C2014A) SEE UP027.

*
UP030 (C2014B) SEE UP027.

*
UP031 (FLIB6V) [F&IO]-FREE FORMAT COMPLEX INPUT DID NOT WORK FOR F&IO.

*
 UP032 (VDSPK\$) [TSRC\$\$]-"*>A" DID NOT WORKFOR TSRC\$\$.

*
 UP033 (DOSPK\$)
 SEMLIB P300 CODE REMOVED. (TAR 81470)
 TSRC\$\$ ">A" DID NOT WORK.

*
 UP034 (IFTNLB)
 -P300 CODE REMOVED (TAR 81470)
 -">A" DID NOT WRK

*
 UP035 (PFTNLIP) SEE UP034.

*
 UP036 (NPFTNLIB) SEE UP034.

*
 UP037 (FTNLIP) SEE UP034.

*
 UP038 (S4000) SEE UP034.

*
 UP039 (S2014A) SEE UP034.

*
 UP040 (S2014B) SEE UP034.

*
 UP041 (BASIC) TARS 12546 & 80852 "PRINT USING" JUXTAPOSED
 ITEMS WHEN THE FIRST NUMERIC ITEMS OVERFLOWED.
 TAR 13717 ".NL." DID NOT RESET THE COLUMN COUNT
 IN ENTER STATEMENT.
 TAR 24728 STATEMENT NUMBER "0" WAS NOT SENSED AS AN
 ERROR.
 TAR 15219 "PRINT USING" ROUNDING IS NOT CONSISTENT.
 MACHINE FLOATING ACCURACY IS THE PROBLEM HERE, BUT
 NOTE THAT THE ACTUAL COMPUTATION ACCURACY IS NOT
 AFFECTED BY THIS PROBLEM, WHICH IS DUE TO THE IN-
 PUT CONVERSION IF ASCII DIGITS TO FLOATING NUMBERS.
 A BETTER METHOD IS USED BY BASIC/VM AND FORTRAN, SO
 THESE PROBLEMS WILL NOT SHOW UP.
 TAR'S 80236 & 80469 "HALT" 'S ARE ENCOUNTERED WHEN
 STRINGS ARE PASSED TO A FORTRAN PROGRAM. THE DOCU-
 MENTATION IS WRONG AND INDEED STRINGS ARE NOT
 ALLOWED TO BE PASSED TO A FORTRAN PROGRAM.
 TAR 22723 A "FOR-NEXT" UNMATCHING ERROR WAS GENERATED
 WHEN IN FACT NO MISMATCH EXISTED.

*
 UP042 (BASIC) SEE INFO ON UP041.

*
 UP043 (DBASIC) SEE INFO ON UP041.

*
 UP044 (DBASIC) SEE INFO ON UP041.

*
 UP045 (PRI400)
 BUG FIXES AT REV. 16.4

COMINPUT COMMAND

THE FILE UNIT SPECIFIED WAS IGNORED IF SPECIFIED AFTER A -OPTION. E.G., IF THE COMMAND 'CO -CONTINUE 7' WAS GIVEN, FILE UNIT 6 WAS USED. (TAR 80697)

FILUNT COLD START PARAMETER

IF A FILUNT PARAMETER WAS USED IN THE COLD START FILE, SPURIOUS RESULTS WOULD OCCUR.

ASSIGNED AMLC LINES

OUTPUT CHARACTERS COULD BE LOST WHEN UNASSIGNING AMLC LINES. (TAR 23415)

WTLINS

DATE-TIME MODIFIED NOT UPDATED WHEN FILE ACCESSED WITH CALL TO WTLINS.

SHARE

IT WAS NOT POSSIBLE TO SHARE AN ENTIRE SEGMENT. I.E., RESTORE FILE WHOSE START ADDR = 0 AND END ADDR = 177777 OCTAL. (TAR 10555)

COMOUTPUT

DID NOT GIVE ERROR MESSAGE IF FILE SPECIFIED WAS A DIRECTORY. COMMAND OF FORM "COMO TREENAME -C" WOULD NOT WORK.

-DUE TO A CONFLICT WITH PREVIOUSLY DEFINED HARDWARE DEVICE ADDRESSES, THE DEVICE ADDRESS OF THE PRIMENET NODE CONTROLLER (PNC) HAS BEEN CHANGED FROM '61 TO '07.

*

UP046 (PKIRUN) SEE UP045.
FILE.

*

UP047 (PRINET) FAM FOR REV. 16.4, THE FOLLOWING BUGS HAVE BEEN FIXED:

- ACCESSING SEGMENT DIRECTORIES VIA PATHNAME NOW WORKS. (I.E., SEG REMOTE_UFD>SUBUFD>#PROG)
- DUPLICATE RECEIVED MESSAGE BUG IS PROBABLY FIXED.
- LONG WRITE LINES NOW WORK WITH > 255 TRAILING SPACES.
- GROSS FLAG IS NOW RESET IN FAMCYL, (COULD GET LOCKED SET IN 16.2).
- FAM NOW ACCEPTS CD\$ CODES TO WORK WITH PRIMENET CIRCUIT CLEARING CAUSES.
- THE INTERNAL VERSION NUMBER AND RECEIVE BLOCK SIZE PASSING HAS BEEN UPDATED TO CONFORM WITH 17.0'S EXPECTATIONS.

*
 UP048 (X.25) NETCFG HAS BEEN FIXED FOR HETEROGENEOUS COMBINATIONS OF PRIMENET AND X.25 SOFTWARE IN THE SAME NETWORK. IT IS NO LONGER A REQUIREMENT THAT IF ANY NODE HAS THE X.25 SOFTWARE, THEY ALL MUST HAVE IT. TO SUPPORT THIS FEATURE THERE HAVE BEEN SOME INTERNAL CHANGES TO THE FORMAT OF THE CONFIGURATION FILE 'NETCON'.

*
 UP049 (FIXRAT) UFD COMPRESSION FAILED TO WORK CORRECTLY.

*
 UP050 (FIXRAT) SEE UP049.

*
 UP051 (FIXRAT) SEE UP049.

*
 UP052 (MIDAS)
 MIDAS REV. 16.4

ABSTRACT

+
 NEW AT REV 16.4, MIDAS UTILITY *MPACK SORTS DATA RECORDS BY PRIMARY KEY AND RECOVERS SPACE OCCUPIED BY DATA RECORDS WHICH HAVE BEEN MARKED FOR DELETION.

FOR REV 16 MIDAS FILES, *MPACK SORTS DATA RECORDS BY PRIMARY KEY AND RECOVERS SPACE OCCUPIED BY DATA RECORDS WHICH HAVE BEEN MARKED FOR DELETION. INDEXES ARE ALSO RESTRUCTURED SO THAT THEY OCCUPY AS LITTLE DISK SPACE AS POSSIBLE. *MPACK IS USEFUL FOR APPLICATIONS IN WHICH 1) DISK SPACE IS VERY LIMITED, AND/OR 2) RECORDS ARE OFTEN INSERTED AND DELETED FROM A MIDAS FILE.

*MPACK IS BUILT BY COMMAND FILE C_MPACK IN UFD MIDAS>SOURCE. NOTE THAT *MPACK IS BUILT IN UFD MIDAS>SOURCE, NOT CMDNCO, AND EXECUTES IN R-MODE ONLY. *MPACK HAS BASICALLY TWO OPTIONS. A MIDAS FILE MAY SIMPLY BE RESTRUCTURED. IN THIS CASE THE EXISTING FILE IS OVERWRITTEN WITH THE RESTRUCTURED DATA. THE SECOND OPTION CAUSES THE RESTRUCTURED DATA TO BE WRITTEN TO A SECOND FILE, THUS PRESERVING THE ORIGINAL FILE. FIGURE 1 ILLUSTRATES HOW TO USE *MPACK. COMMENTS ARE ENCLOSED IN PARENTHESES AND USER INPUT IS UNDERLINED.

OK, R *MPACK
 GO
 [MPACK REV 16.4]

ENTER MIDAS FILE NAME: ACCT>MASTER (PATH NAME OF FILE TO BE)

+

 (RESTRUCTURED.)

OK TO OVERWRITE THE FILE? NO (SEE NOTE 1.)

+
 ENTER NEW MIDAS FILE NAME: FILE1 (PATH NAME OF FILE TO CONTAIN THE)

+

 (RESTRUCTURED INFORMATION.)

FILE ALREADY EXISTS. OK TO OVERWRITE? NO (SEE NOTE 2.)

+
 ENTER NEW MIDAS FILE NAME: FILE2 (SEE NOTE 3.)

+

BEGIN PROCESSING INDEX 0 AT 11:22:00
 ENTRIES INDEXED: 250

BEGIN PROCESSING INDEX 1 AT 11:26:27
 ENTRIES INDEXED: 92

RESTRUCTURE COMPLETED AT 11:28:26

FIGURE 1

NOTES

1. THE NO RESPONSE INDICATES THAT THE RESTRUCTURED DATA SHOULD BE WRITTEN TO ANOTHER FILE. THE FILE, MASTER, WAS NOT MODIFIED.
2. THE NO RESPONSE INDICATES THAT THE MIDAS FILE, FILE1, SHOULD NOT BE USED. *MPACK ALSO VERIFIES THAT THE FILE IS A VALID MIDAS FILE. IF NOT VALID, *MPACK NOTIFIES THE USER AND REQUESTS A NEW PATH NAME.
3. SINCE FILE2 DID NOT EXIST, *MPACK CREATED IT.

*
 UP053 (KIDALB) SEE UP052.
 *
 UP054 (KIDAFM) SEE UP052.
 *
 UP055 (VKDALB) SEE UP052.
 *
 UP056 (NVKDALB) SEE UP052.
 *
 UP057 (K4000) SEE UP052.
 *
 UP058 (K2014A) SEE UP052.
 *
 UP059 (K2014B) SEE UP052.
 *
 UP060 (CREATK) SEE UP052.
 *
 UP061 (KBUILD) SEE UP052.
 *
 UP062 (KIDDEL) SEE UP052.
 *
 UP063 (REMAKE) SEE UP052.
 *
 UP064 (ERRD.F) ERROR CODE FOR DPTX.
 *
 UP065 (ERRD.P) SEE INFO ON UP064.
 *
 UP066 (SETSIZ) SETSIZ SOMETIMES WENT INTO AN INFINITE LOOP UNDER PRIMOS 2
 *
 UP067 (DBMS) THE FOLLOWING IS A LIST OF BUGS FIXED IN REV. 16.3.
 EXCEPT WHERE NOTED, THE BUGS WERE FIXED BASED ON INTERNAL

ERRORS OR ERRORS THAT WERE REPORTED BY CMSI OVER THE PHONE AND THERE ARE NO TAR NUMBEPS.

1) THE FOLLOWING PATCHES HAVE BEEN MADE TO DMLCP.

- A. THE SIZE OF THE INTERNAL RECORD AREA HAS BEEN EXPANDED FROM BKB TO 32 KB TAR 24722.
- B. THE OPEN COMMAND WILL NOW ONLY OPEN AREAS SPECIFIED ON THE OPEN COMMAND RATHER THAN ALL AREAS.
- C. THE CLEAR ERROR COMMAND HAS BEEN FIXED SO THE SYSTEM WILL NOT HANG.
- D. THE 710F ERROR IN THE ROUTINE SETLST HAS BEEN FIXED.
- E. THE ROUTINE PUTLST HAS BEEN PATCHED SO THAT DUPLICATES WILL BE INSERTED IN THE PROPER ORDER.
- F. AFTER IMAGE LOGGING HAS BEEN PATCHED TO ACCOMIDATE BUCKETS LARGER THAN ONE (1) PAGE.
- G. R4VAL HAS BEEN PATCHED TO ACCOMIDATE LONG RETRIEVAL TRANSACTIONS.

2) CLUP HAS BEEN PATCHED SO THAT CERTAIN ERRORS WILL RE DISPLAYED ON THEIR TERMINAL WHEN THEY OCCUR.

3) DRACP HAS BEEN FIXED SO THAT IT MAY INITIALIZE A FILE LARGER THAN 32,000 BLOCK PROPERLY.

*

UP068 (CPUT4) TO REDUCE THE NUMBER OF TEST PROGRAMS. P400T2 & P500T1 ARE COMBINED IN AND ARE REPLACED BY THIS NEW TEST.

*

UP069 (C_CPUT4) SEE UP068

*

UP070 (CPUT4) SEE UP068.

*

UP071 (RTCT2) TO ENABLE THE TEST TO RUN ON A VCP AS WELL AS A SOC.

*

UP072 (RTCT2) SEE UP071.

*

UP073 (PRMNT1) ADDED TESTS IN ORDER TO TEST PARTS OF THE HARDWARE THAT WEREN'T PREVIOUSLY TESTED. TO HAVE COMPATIBILITY BETWEEN THE WIRE WRAP AND ETCH VERSIONS SO THAT THEY CAN RUN ON THE SAME PROGRAM.

DEVICE ADDRESS OF PRIMENET NODE CONTROLLER IS BEING CHANGED FROM '61 OT '07.

A BUG WAS FOUND WHEN TRYING TO LOAD THE A REGISTER WITH THE DEVICE ADDRESS PRIOR TO RUNNING THE PROGRAM.

*

UP074 (PRMNT1) SEE UP073.

*

UP075 (VTTYT1) THIS DIAGNOSTIC CHECKS OUT THE SERIAL INTERFACE CAPABILITIES OF THE VCP V.I.A. PFO. THIS TEST OPERATED SIMILARLY TO TTYT2.

*

UP076 (VTTYT1) SEE UP075.

*

UP077 (URCT1) SUPPORT OF VRC / DECISION DATA CARD PROCESSOR.

*

*

UP078 (URCT1) SEE UP077.

*

UP079 (P4WCST) TEST FAILED IF THERE WERE LESS THAN 64K OF MEMORY.

*

UP080 (P4WCST) SEE UP079.

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UP081 (STLBT2) TO ACCOMMODATE THE P750.

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UP082 (STLBT2) SEE UP081.

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UP083 (PXT1) TO FIX STRING PROBLEM.

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UP084 (PXT1) SEE UP083.

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UP085 (CRTT1) (1) TO ADD A ROUTINE TO CHECK THE ABILITY FO THE
 DEVICE TO TRANSMIT ON REQUEST OF THE HOST CPU AND
 CHECK THE INTEGRITY OF THE TERMINALS OWN MEMORY.
 (2) TO CONDENSE THE WHOLD TEST INTO A SMALLER
 PACKAGE WHILE IMPROVING THE EFFECTIVENESS FO THE
 WHOLE TEST.
 (3) TO REMOVE POSSIBLE BUG WHERE AMLC IS SHUTDOWN
 BEFORE IT HAS TIME TO CLEAR DEDICATED PELL.

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UP086 (CRTT1) SEE UP085.

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UP087 (AMLCT5) TO INCORPORATE TIMING CHANGES CAUSED BY THE VCP.

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UP088 (AMLCT5) SEE UP087.

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UP089 (DISCT1) TO INCORPORATE TIMING CHANGES CAUSED BY THE VCP.

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UP092-UP096 (SPOOL) BETTER "QUEUE FULL" ERROR MESSAGE. (TAR 22414)
 (2) HASP CONTROL ON SERIAL PRINTER. (TAR 23467)

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