

6.0 PRODUCT SET NOTES AND CAUTIONS

Following is a list of the Notes and Cautions modsets by associated product. These modsets are contained on file 5 of the REL0 tape and are put on permanent file UPDSUGG during the initial setup. These modsets may not exist in the same order on UPDSUGG as is indicated in these lists.

Corrective Code to CCP must be on a indirect or direct access permanent file UCCP during the CCP build process.

6.0.1 CDCS2

Problem - When an error occurs during an invoke before the user has been added to any of the user counts, the counts are reduced even though they have not been increased for this year. This results in inaccurate user counts, possibly causing CDCS not to roll out when it should. If the error is =SCHEMA XX NOT IN MASTER DIRECTORY= a count is reduced from a nonexistent schema causing an undefined error, such as a CDCS mode error 25 minutes later.

Solution - Install PSR CD2A378 from the suggested code file.

Problem - A user control point hangs in recall waiting for a reply from CDCS. This occurs because NOS occasionally gives an erroneous 63 return code on an SFCALL (problem reported as PSR NSO4199). CDCS erroneously ignores that return code.

Solution - Install PSR CD20040 from the suggested code file.

Problem - When two users are doing a read-relation on a file that is open for I-O, a CDCS push-down stack overflow might occur. This results in the CDCS fatal diagnostic - ** CDCS INTERNAL ERROR--DBSPUSH 1 ** This happens when one user is swapped out while holding a record lock and another user attempts to read the locked record.

Solution - Install PSR CD20048 from the suggested code file.

6.0.2 CID

Problem - Trap on specific overlay does not always work because user's All register is not saved.

Solution - Install code ident ID1A177 from the suggested code file.

6.0.3 FCL5

Problem - SCOPE 2 MOULCH calls involving LCM arguments generate invalid LCM block copy errors.

Solution - Install code ident FL5A560 from the suggested code file.

6.0.4 COBOL5

Problem - COBOL programs using CDCS and TAF abort.

Solution - Install CL5B229 from the suggested code file.

6.0.5 BACKSPACE on files with short records

Problem - Code ident SW10326 designed to speedup BACKSPACE on files with short records seems to work incorrectly in some cases when skipping over an end_of_section.

Solution - Do a *PURGE SW10326.0.

6.0.6 FDP

Problem - Fix FDP to work with modset KRA832.

Solution - Install PSR FDP7 from the suggested code file, if installing modset KRA832 from the operating system suggested code file.

6.0.7 CCP

Problem - MODE4 terminal recovery problem due to MODE4TIP sending the clear write for terminal recovery to the wrong cluster and terminal address.

Solution - Install PSR CC4C147 from the suggested code file.

Problem - The Hasp Tip does not check if data is for a punch stream before checking for *PM* messages, and gets lost if the first character of the transmission block is a *p*.

Solution - Install PSR CC40534 from the suggested code file.

Problem - The BISYNC tip may send an ENQ downline before the EOT is completely transmitted. This causes the tip to output on output which causes a halt 20.

Solution - Install CC4C124 from the suggested code file.

Problem - If the NPU is in buffer regulation, the ASYNC tip sometimes does not send a REPEAT.. message to the terminal.

Solution - Install CC4C128 from the suggested code file.

6.0.8 NAM

Problem - PIP aborts itself with error message PIP ERROR 101 when it was processing batch data (OFC/DATA) supervisory message from RBF and NIP had no inbound buffer space for the response (OFC/DATA/N).

Solution - Install NA2B770 from the suggested code file.

Problem - NIP suspended processing of RBF's worklist when RBF initialized a batch device connection for PRU processing (PRU/ON supervisory message). This caused RBF to hang in recall.

Solution - Install NA2B774 from the suggested code file.

Problem: - PIP may time out an idle but active NPU if that NPU has timed out the host and PIP has just timed out a different dead NPU.

Solution - Install NA2B658 from the suggested code file.

Problem - NVF aborts when it encounters a duplicate terminal entry in the TCR file.

Solution - Install NA2B607 from the suggested code file.

Problem - Characteristics is spelled incorrectly in NVF terminal message.

Solution - Install NA2B775 from the suggested code file.

Problem - NDLP does not recognize TYMNET keyword in LINE statement. This prevents the customer from being able to connect TYMNET except by defining user line types in the LCF.

With the installation of PSR NA2B778 the PSN parameter in the LIN statement can have the following values:

DATAPAC	
TELENET	
TRNSPAC	
TYMNET	
PSN1USR	A user-defined packet switching network
PSN2USR	A user-defined packet switching network

The following is an example of the LINE and TERMINAL statements used in Sunnyvale for our TYMNET certification:

COMMENT PORT - TYMNET CONNECTION (X.25)

L158 : LINE PORT = 8, LTYPE = H1, TIPTYPE = X25, DFL = 128,
 K = 7, T1 = 3000, N2 = 15, TYMNET, LAP.

T158A : TERMINAL TC = 713, W = 7

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Number of TERMINAL definitions = Number of Logical Channel + 1.

The following NDL Processor Diagnostic messages have been added or changed:

Error Code	Severity	Message	Significance	Action	Issued By
143	Fatal	!DATAPAC Valid on X.25 lines only	!Self explanatory	!Remove DATAPAC (PSN Parameter)	!LINEPR
145	Fatal	!TRNSPAC Valid on X.25 lines only	!Self explanatory	!Remove TRNSPAC (PSN Parameter)	!LINEPR
146	Fatal	!PSN1USR Valid on X.25 lines or PSN2USR	!Self explanatory	!Remove PSN1USR or PSN2USR (PSN Parameter)	!LINEPR
164	Fatal	!TYMNET Valid on X.25 lines only	!Self explanatory	!Remove TYMNET (PSN Parameter)	!LINEPR

Solution - Install NA2B778 from the suggested code file.
 Installing this code replaces USERPSN parameter with PSN1USR or PSN2USR.

6.0.9 RBF

Problem - Extensive DIVERT gets cancelled when user logged off.

Solution - Install PSR RB2A540 from the suggested code file.

Problem - RBF CPU error exit. CM out of range.

Solution - Install PSR RB2A573 from the suggested code file.

6.0.10 AAM2

Problem - Simultaneous access to 2 or more MIP files in the same job can lead to a mode 1 abort at close time. Depending on the type of accesses and the order of processing, a capsule needed to update a file may get unloaded too early.

Solution - Install modset ident AM20104 attached in Appendix A.

6.1 APL SUGGESTED MODS

Following is a list of APL Suggested Notes and Cautions modsets. These modsets are contained on file 8 of the RELO tape and are referred to in this document as CAPL.

6.1.1 APL

Problem - APL2 users who time out will get a file limit error message.

Solution - Install modset AP2A068 from the CAPL suggested code file.

7.0 KNOWN PROBLEMS

63 Character Set Installation

Contact Arden Hills Field Support before beginning a 63 character set installation of this system. Problems identified from the previous release have been at least partially corrected, but total verification had not been completed at the time of release.

ASUSE Reports

The ASUSE reports require the following clarification. In the basic report, the totals given for cartridges with zero streams available include any cartridges for which one of the following flags is set: the lost cartridge flag, the inhibit allocation flag, or the excessive write parity errors flag. For both the basic report and report A, only streams which are unallocated and free of errors are counted as being available streams.

When report A is selected without report B, any cartridges having one of the three previously mentioned flags set are omitted. In contrast, report E includes all cartridges in the specified family, subfamily and CSU, regardless of errors. Thus, it is normal for cartridges with errors to appear in report E but not in report A.

Control Statement File

The control statement file is generally accessible to a user's executing program. Therefore, it is not safe to assume that items like user numbers and passwords are secure when they appear in this file. It is intended that the NOS Reference Manual, Volume 1, will reflect this situation. Sites should take this into consideration when generating procedure files and should review their current procedure files for problems that may exist because of this.

Deadstart Diagnostic Sequencer

It should be noted that where the Operator's Guide refers to installing DDS, the HIVS level 132 tape which accompanies this release should be used.

MSSEXEC Error Processing Problems

MSSEXEC is unable to continue processing with error idle set on a device containing MSF files. If MSSEXEC attempts a PFM request on the device with error idle set, it will hang in recall with the message "DEVICE UNAVAILABLE".

MSSEXEC may abort when trying to reclaim an MSF catalog or CSUMAP interlock. If PFM returns the error code INA, PEA or FTF to MSSEXEC, it is not processed correctly (the request should be retried rather than aborting MSSEXEC).

TAF

TAF COBOL5 tasks that end with CEASE or SEND with the CEASE FLAG set are not reusable. To make these tasks reusable, they should be terminated with STOP RUN.

Machine Recovery

Extreme caution must be exercised when running MREC on a shared RMS multi-mainframe configuration. MREC has no way of knowing if the machine being recovered is running or not. Hence running MREC to recover a machine which is actually running will cause a system crash on this system.

Moving Removable Packs

If a removable pack from an auxiliary device is physically moved to another spindle between the time that RESEX writes the equipment number in the resource file and the time that PFM actually attaches the file, the eventual return of the file will cause a PP to hang.

One case in which this may happen is when the device in question has an Error Idle status before it is unloaded. In this case many copies of PFM may be in recall/rollout, having already performed the RESEX call. Sites should avoid unloading and moving packs with Error Idle status; in general, unloading and remounting such devices is not recommended since it tends to obscure the fact that a real problem with the device may exist. Corrective code is not available at this time, but the problem has been reported by PSR NS0F514.

Synchronous Interactive Terminal Support Deficiency

In this release IAF does not check that a line of data from the user's circular buffer will not span network transmission blocks. The method of transmission being used works correctly for asynchronous devices but, due to device and protocol restrictions, synchronous devices will suffer from screen formatting problems. When using transparent data the same deficiency may cause control-type character strings to span network blocks usually resulting in incorrect device action to some degree. Corrective code is not available at this time, but the problem has been reported by PSR NS1A092.

The program generating the data may circumvent this deficiency by assuring that no more than one block is present in the circular buffer when the data is transferred to IAF. The block size varies depending on network configuration parameters but will not exceed 128 CM words.

Initializing Shared Removable Packs

Shared removable packs that get a TRT LENGTH ERROR or a PF LINKAGE ERROR while being mounted must be initialized via a deadstart initialization and may only be initialized online at the risk of hanging IMS.

Error Flag Changes

Due to the addition of modset KRA812. Sites should reassemble any routines which use NOSTEXT error flags.

9600 Baud Asynchronous Data Caution

Binary transparent asynchronous data transmission at 9600 baud may randomly experience garbled data. The problem disappears at data transmission rates of 4800 baud or less.

Frame Size Caution

If a heavy batch load is being run via Remote Node and the interactive response time is degraded, the problem may be in the frame size. Contact Field Support for advice.

7.1 REFERENCE MANUAL CORRECTIONS

System Maintenance Reference Manual

The floating point numbers in the accounting messages in the System Maintenance Reference Manual are reported in the wrong format. They have been changed from the F10.3 format to F9.3. This is in error, as the correct format should be F10.3.

Installation Handbook

The following is a list of corrections for the Installation Handbook (IHB):

*Page 2-1 - The file ID in HDR1 of VSN REL4C should be FCL4P8*NOS level.

*Page 3-6 - BEGIN (TAPE) Should be BEGIN,,TAPE.

*Page 3-9/3-10 - The following are no longer procedure files but are added to PROCFIL by GENFILS:

UP,END,DIRECT,GENSYS,COPYBIN,TAPEAUX,TAPEIN,TAPEOUT
,MERGE,GENLIB.

*Page 6-34 - The second to last line of the table should read as follows:

++ Value is CPWC,CLPF,CSPS,CASF,CAND,CCNR,CSRP.

8.0 OPERATING SYSTEM CRITICAL CODE

The Operating System Critical Code consists of the following modsets and may be found on File 2 of the RELO Installation Tape:

<u>MODSET</u> <u>NAME</u>	<u>PSR</u> <u>ANSWERED</u>	<u>PROBLEM</u> <u>DESCRIPTION</u>
ANCPM2	NS1A055	Duplicate code in routine *DSC* of *CPM* causes the routine to not check for an *SSJ=* entry point correctly.
IAFEX57	NS1A093	IAF aborted on a *ERQ* error.
ANRECL	NS1A130	*REC* does not properly check for system devices when searching for the first system device.
CI025	NO-PSR	If two inputs to the terminal are started at once and both files are in the list of files, CIO hangs on pause.
AN1SP1	NS1A108	*1SP* does change the control point address when doing *CCAM* monitor functions, which causes *PPR* to not pause.
CI024	NO-PSR	*CIO* sends incorrect *CN* in header. Also, dayfile messages being suppressed if error processing not selected.
FCOPY1A	NO-PSR	Modset *FCOPY1* does not handle all *ASC8* line conversions which cause garbage after the last correct character in a line.
MAC23	NS1A146	*PFU* calls to increment *PF* activity count for shared families returns a list of equipment incremented.
CPM17	NO-PSR	MSS system utilities rely on CPM to only allow SYOT jobs to use function *set job class*, *validate user*, and *set permanent file parameters*. The addition of RHF allows SSJ= jobs to use these functions. This produces a security break in NOS.

9.0 OPERATING SYSTEM SUGGESTED CODE

Following is a list of Operating System Suggested modsets by associated deck area. These modsets are contained on file 6 of the RELO tape and are put on permanent file MDYSUGG during the initial setup. These modsets may not exist in the same order on MDYSUGG as is indicated in these lists.

A listing of the code for these suggested modsets may be obtained by executing the following job statements from batch or console:

```
ATTACH(MDYSUGG)
COPYSBF(MDYSUGG)
OUT.
```

9.0.1 TAF

Problem - An original code does not exist that indicates a message macro with a zero function code was encountered by TAF and the message was journaled to the JOURO file.

Solution - Install modset TAF55 from the suggested code file.

Problem - TAF does not return CDCS fatal error messages to the originating terminal.

Solution - Install modset KRA859 from the suggested code file.

Problem - TAFXXX2 may hang if TAF is dropped when TAF has reached its maximum field length.

Solution - Install modset TAF43A from the suggested code file.

Problem - TAF will abort if the following sequences of events occurs:

1. A task library called XXTASKL is attached by TAF.
2. XXTASKL is purged by a user.
3. XXTASKL is created by the same user with an identical task library directory length but containing different tasks.
4. LIBTASK,P=XXTASKL,TT. is executed by the user.
5. An attempt is made by a user to execute a task from XXTASKL.
6. TAF attempts to load the task using the old disk address and aborts with the message *RANDOM ADDRESS NOT FOUND*.

Solution - Install modset TAF56 from the suggested code file.

Problem - The TAF processor *WAITINP* does not preserve the transaction task chain.

Solution - Install modset TAF58 from suggested code file.

9.0.2 DSD

Problem - Console display shows garbage when using long key entries.

Solution - Install modset ANDSD2 from the suggested code file.

9.0.3 COPYUTL (COPY UTILITY)

Problem - The RHF conversion utility *COPYUTL* does not correctly handle an end of line consisting of 66 zero bits when converting display code to *ASC8*.

Solution - Install modset COPYU1 from the suggested code file.

9.0.4 GFL (GET FILE LENGTH)

Problem - The Get File Length routine *GFL* returns a 6 bit character count for the level 7 protocol file length. This is not correct for files being sent as DD=C8, US, or UU. A correct length is required for RHF to preallocate file space on the CYBER 20X.

Solution - Install modset GFL1 from the suggested code file.

9.0.5 DSP

Problem - When DSP is called with a remote mainframe selected, via the route block of job card LID specification, the user card is assumed to be valid on the originating mainframe; if an user card is found which happens to be in NOS format, various results are produced.

Solution - Install modset DSP17 from the suggested code file.

9.0.6 COMPVID

Problem - When DSP is called to route a file to the linked file queue and the LID has been disabled, the request is aborted with *DSP-INVALID LID*. This happens to user jobs and also happens when QTF tries to requeue a file after the LID has been disabled.

Solution - Install modset PVID1 from suggested code file.

9.0.7 MFQ

Problem - MFQUEUE I=0 special processing to send no explicit routing text still reads file *0*.

Solution - Install modset MFQ1A from the suggested code file.

9.0.8 IAFEX

Problem - During BYE processing, terminals can become hung if a connection broken *CON/CB/R* is received due to a terminal disconnect.

Solution - Install modset IAFEX58 from the suggested code file.

Problem - An output of a binary file with many legal auto mode control bytes (0003 or 0015) followed by input and a break 2 will hang ITO.

Solution - Install modset IAFEX59 from the suggested code file.

9.0.9 CPMEM

Problem - If the prefix table located in RA+0-RA+20 contains a negative word count, WBR fails with *Buffer argument error on FFFFFFF at NNNNN*.

Solution - Install modset ANCPME1 from the suggested code file.

9.0.10 CHKPT

Problem - If files dumped to the checkpoint file by CHKPT have a certain combined length, CHKPT will write a checkpoint file that RESTART cannot process.

Solution - Install modset ANCHKP1 from the suggested code file.

9.0.11 PFDUMP

Problem - PFDUMP may not always be able to return all of its files because *CIO=* refuses to perform action on a file that has the error status set in its FET.

Solution - Install modset ANPFDU1 from the suggested code file.

9.0.12 PPCOM/COMDDSP/DIS

Problem - If 026 is called from a DIS job that breakpointed a *DMP=* program which still has its DM* file attached, 026 may blank the tubes.

By typing M.DIS. for a control point that already has a copy of DIS assigned, the operator can bring up another copy of DIS to the same control point.

When another display program called under DIS requests the display console, DIS will not automatically release it.

Solution - Install modset PRKRA5 from the suggested code file.
NOS2200E

9.0.13 COMCRD0

Problem - RD0 hangs in an infinite loop when *CIO=* returns an error status.

Solution - Install modset NACRD01 from the suggested code file.

9.0.14 CIO

Problem - CIO transmits two end of records for *C8* data records ending in a full *PRU* using WRITECW on a NAD device.

Solution - Install modset CIO26 from the suggested code file.

9.0.15 PTF/PTFS

Problem - PTF/PTFS does not support new data declaration and protocol change.

Solution - Install modset KRA878 from the suggested code file.

Problem - The attach processing for MSF resident files does not wait for the file to be loaded.

Solution - Install modset PTFS2 from the suggested code file.

9.0.16 PFM

Problem - PFM and various other decks (COMPSCA, COMPSDN, COMPVMS, LDS, LMT, PFCAT, PFDUMP, and PFLOAD) do not recognize that a device is being initialized.

Solution - Install modset KRA832 from the suggested code file.

9.0.17 RHFOU

Problem - RHFOU command to set the remote trunk to zero requires two (2) zeros to clear the trunk entry.

Solution - Install modset RHFOU2 from the suggested code file.

9.0.18 ISJ

Problem - Jobs are allowed to execute even though total central memory allowed for a given origin type is exceeded.

Solution - Install modset AN1SJ5 from the suggested code file.

9.0.19 COMKNWC

Problem - When running with the level 543 Network, TAF will abort with a *NPSBET previous request incomplete RC=42* dayfile message.

Solution - Install modset KNWC19 from the suggested code file.

Problem - TAF might hang if the following events occur:
1. TAF runs out of communication blocks.
2. All tasks are issuing a SEND with recall.
3. All terminals have reached outstanding output block limits.

Solution - Install modset KNWC18 from the suggested code file.

Problem - TAF may abort with a CPU error exit. This is because the application interface processor (AIP) does not preserve register B1 and (B1) was not set to 1 after a NETCHEK request in routine SMP.

Solution - Install modset KNWC16A from the suggested code file.

9.0.20 COMQFIP

Problem - Speed up mods to allow QTF type transfers at maximum rate (single path). Decks COMQFIP, FIP, RHFGET, RHFWAIT, and INP are modified.

Solution - Install modset KRA866 from the suggested code file.

9.0.21 MSM

Problem - During a mount of a removable device the channel UP/DOWN bits are not preserved in the EST.

Solution - Install modset ANMSM3 from the suggested code file.

9.0.22 STL

Problem - If controlware has been wiped out in a 7154, a deadstart will hang trying to load controlware.

Solution - Install modset ANSTL1 from the suggested code file.

9.0.23 CPD

Problem - CPD causes PP Hung if run on a shared device.

Solution - Install modset ANCPD2 from the suggested code file.

10.0 CONTROLWARE LEVELS

NOS 1.4 Level 552 was tested in an environment containing the following controlware part numbers:

7054/844 (BCS Half Track)	MA710-A13 (PN52706607)
7021/66X (FIRM66X)	MB434-A14 (PN52653361)
2550-100 667X (Emulation)	MC402-E03 (PN74875333)
7154/844 (BCF - Full Track)	MA401-A07 (PN22724600)
7155/885/844-4X (FMD - HT/FT)	MA721-A05 (PN52803639)
380-170 (170 Network access device)	MG101-A03 (PN53704689)
380-370 (IBM Host Network Access device)	MG107-D02 (PN53705503)
380-110 (Common Mini-Host Network Access device)	MG105-D01 (PN52653834)

and also tested with CML 3.2 Release Level 130 and HIVS/CTI Release Level 132.

11.0 MISCELLANEOUS INSTALLATION COMMENTS

11.1 NAM/RBF START-UP PROCEDURES

NAM, RBF, IAF, and TAF installation creates permanent files that when using default setup procedures, have to be transferred to the SYSTEM user index (377777B) in order to start-up the network.

Located below are the names of those files required for network operation:

Indirect Access Files

1. NAM
2. NPUDUMP
3. NAMPROC
4. JOBNS
5. JOBCS
6. JOBNVF
7. JOBTVF
8. NETPROC
9. NPSDUMP
10. NETSS
11. NETUVSN
12. RBF
13. RBFPROC

Direct Access Files

14. NAMLOCK
15. RBFLOCK
16. APPLOCK
17. NIPLOCK
18. NSLOCK
19. CSLOCK
20. NVFLOCK
21. TVFLOCK
22. NPSLOCK
23. NCFFILE(*)
24. LCFFILE(*)
25. CCPFILE(*)

(*) NCFFILE and LCFFILE are created by the installer using NDLP. CCPFILE is the Gzzz file created by CCP build step CCPLOAD.

11.2 IAF/TAF Start-Up Procedures

IAF and TAF installation creates permanent files that are transferred to the SYSTEM user index (377777B) in order to start up IAF/TAF.

Located below are the names of those files required for IAF/TAF operation that are created by the SYSTEM procedure in DECKOPL.

Indirect Access Files

1. IAF (IAF)
2. TRACIAF
3. IAFTM
4. IAFTR
5. TAFNAM (TAF)

11.3 RHF START-UP PROCEDURE

RHF installation creates a permanent file that must be transferred to the SYSTEM user index (377777B) in order to start up RHF.

The following files are required for RHF operation:

1. RHF - Indirect file created by SYSTEM procedure in DECKOPL.
2. QTFTxx - Direct file created by the installation.
3. NADTxx - Indirect file created by the installation. (optional)

11.4 XEDIT HELP File

XEDIT installation creates an indirect access permanent file XEDITH that has to be transferred to the LIBRARY user index (377776B) in order to use the XEDIT HELP directive. The XEDITH file must be made CT=PU, M=R after moving it to UI=377776B.

11.5 MOVEPF

X.MOVEPF can be used to transfer any of the aforementioned files. MOVEPF is documented in the NOS Installation Handbook in the NAM installation section.

11.6 NOTES ON PRODUCT INSTALLATION

Several installation jobs exhibit overlapping corrections, non-fatal loader errors, or "COPYL DID NOT FIND" messages. These are not conditions which affect the generated binaries although it is expected that these conditions will be corrected in a future release. The following table details these errors for the associated products. Cases where multiple numbers are provided for a given error with a particular product imply multiple executions of the processor yielding the error. The frequency of occurrence of these conditions as documented below is relative to the products as released. Any local code may change these frequencies. For this information to be applicable, users must install all suggested code.

PRODUCT	!NON-FATAL! ! UPDATE ! ERRORS	!NON-FATAL! ! LOADER ! ERRORS	UPDATE !OVERLAPPING! !CORRECTIONS!	! PARTITIONS !NOT REPLACED! ! IN COPYL	GTR OR LIBEDIT ! ERRORS
AAM1	!	2	!	13/109/111	!
ALGOL5	!	!	!	5	!
BAM	1	!	!	!	!
BASIC3	!	!	!	2	!
CCPBLB	!	!	18	!	!
CCPLOAD	!	!	18	!	!
CCPPH1	!	!	18	!	!
CCPOVB	!	!	18	!	!
CCPVAR	!	!	18	!	!
CDCS2	!	!	!	3	!
COBOL5	!	!	!	7	!
DBU	!	1	!	!	!
FTN	!	!	!	!	1
FTNTS	!	!	!	!	1
FTN5	!	!	!	3	!
F45	!	!	!	1	!
PLI	!	!	!	1	!
TEXT	1	!	!	!	!

SYSJOB

SYSJOB does not show up on REPORT if run from system origin. Therefore, there is no record of it failing or passing and in such a case a useless DAYFILS file will be created on user number SYSTEMX.

FCL1

Notice that FCL1 and FCL2 are actually two parts of the FTN Common Library 4. It is recommended that mods to FCL4 be applied at both times if they are applied at all.

11.7 NOTES ON INSTALLATION VERIFICATION JOBS

Several of the installation verification jobs generate diagnostics in the output file which should not be reason for concern. Several others contain errors which should be corrected as described below. The frequency of occurrence of these conditions as documented below is relative to the products as released. Any local code may change these frequencies.

VALGEDT

Expect 2 diagnostics against line 110, 4 against line 190, and 1 against line 250 of the test program.

VC4C5

Expect several diagnostics against the test program.

VMCS1B

MCS will abort if the procedure file MCSTEST as documented on p. 6-58 of the Installation handbook is used. This will cause VMCS1B to abort.

VALGOL

VALGOL aborts with compilation errors.

VNPS2

VNPS2 fails with "Errors in input - run aborted".

VJOBS

VJOBS call nonexistent jobs: VAAM, VLCS2, VFCS2. These have been replaced by VAAM1, VAAM2, VLCS3, VFCS3.

11.8 RESEQUENCED DECKS

No decks have been resequenced on Level 552/552 NOS 1.4 Operating System.