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RELEASE INFORMATION, DNOS PRODUCTS PATCH UPDATE
SERVICE, RELEASE 1.10.0-990

TEXAS INSTRUMENTS
INCORPORATED
DATA SYSTEMS GROUP

drawing number 2302608-9901

REV. *J | SHEET 1 OF 41

DNOS PATCH 1.10.0 RELEASE INFORMATION

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SECTION 1

USER INFORMATION

Texas Instruments will periodically ship all current patches for the DNOS system family software to customers on the subscription service.

Patches will be shipped initially on microfiche cards. Customers have the option of requesting future shipments of the patch files on magnetic tape or two double-sided, double-density (DSDD) diskettes (See Media Change Form in document 2302609-9901).

There are currently 32 separate files. These files are divided on the DSDD media with the operating system and communications products located on DNPATCH1, and language product patches located on DNPATCH2. The patch files located on DNPATCH1 and DNPATCH2 are combined together on the magnetic media for easier restoration of a single directory. These files will be updated periodically as patches are issued for the various software packages.

Do not apply patches for superseded software to a new release; that is, do not apply Basic 4.0.0 patches to Basic 4.1.0. Be sure to read the directions in each batch stream before applying the patches for any of the products.

Patches received on microfiche must in most cases be typed into a file and then applied via an Execute Batch (XB) command. In several cases, they may be manually applied via an individual Modify Program Image (MPI) or Modify Relative to File (MRF) command. Apply patches as a set; do not select and apply some of the patches in a file.

Completely verify each MPI or MRF prior to executing the command. Patching the wrong word(s) will be disastrous.

Patches received on magnetic tape media can be copied via Restore Directory (RD) command to a disk, or to a directory on your disk, and then applied via Execute Batch (XB) command unless otherwise directed in the instruction section. Patches received on disk media may be applied via Execute Batch (XB) from the disk media or may be copied via Copy Concatenate to your disk and then applied.

Patch files that require the placement of the patch on an object disk or in a specific directory must be copied to the location given in the instructions section for proper execution. These files may be copied over to the indicated location using the Copy Concatenate (CC) procedure.

SECTION 2

PATHNAME INDEX

The following table lists the name of each file in the patch release and the product to which it corresponds. The files listed as being located on DNPATCH1 or DNPATCH2 will also appear under the restored directory with the same pathnames indicated below.

PRODUCTS CONTAINED ON DNPATCH1

FILE	LAST PATCH NUMBER	RELEASE AND DESCRIPTION
.KERNEL	3380	DNOS OPERATING SYSTEM 1.2.0 KERNEL PATCHES
.UTILITY	3378	DNOS OPERATING SYSTEM 1.2.0 UTILITY PATCHES
.DNCMO.DNPCMON	3171	COMMON COMMUNICATIONS PATCHES 1.2.0
.DNCMO.DNPCSWS	NONE	COMMON COMMUNICATIONS SOFTWARE LEVEL SCHEDULER PATCHES 1.2.0
.DNCMO.DNPPCOMM	NONE	COMMON COMMUNICATIONS DSR GENERATION PROCEDURES PATCHES 1.2.0
.DNCMOBJ.DNP3780	NONE	3780/2780 DSR PARTS PATCHES 1.2.0
.DNCMOBJ.DNPP3780	NONE	3780 BUILD DSR AND TASK PROCEDURE PATCHES 1.2.0
.DNCMOBJ.DNTP3780	3299	3780 EMULATOR PATCHES 1.2.0
.DNCS12.DNPCMNS	NONE	DNCS COMM DSR OVERLAY PATCHES 1.2.0
.DNCS12.DNPLAP	3214	DNCS LAP DSR OVERLAY PATCHES 1.2.0
.DNCS12.DNPSDL	NONE	DNCS SDLC DSR OVERLAY PATCHES 1.2.0
.DNCS12.PAT914	NONE	DNCS 914A TERMINAL PATCHES 1.2.0
.DNCS12.PATEMU	3323	DNCS SNA EMULATOR PATCHES 1.2.0
.DNCS12.PATGEN	3375	DNCS SYSGEN UTILITY PATCHES 1.2.0
.DNCS12.PATNUC	3376	DNCS NUCLEUS PATCHES 1.2.0
.DNCS12.PATRFT	3341	DNCS X25/RFT PATCHES 1.2.0
.DNCS12.PUPSC	NONE	DNCS PSC USER TASK PATCHES 1.2.0
.DNCS12.PURFT	NONE	DNCS RFT USER TASK PATCHES 1.2.0

PRODUCTS CONTAINED ON DNPATCH1

FILE	LAST PATCH NUMBER	RELEASE AND DESCRIPTION
.DNO3270.DNP3270	NONE	3270 DSR EMULATOR PATCHES 1.1.0
.DNO3270.DNPP3270	NONE	3270 BUILD PROCESS PROCEDURE PATCHES 1.1.0
.DNO3270.PSC3270	NONE	3270 PSC USER TASK PATCHES 1.1.0
.DNO3270.README	N/A	UPDATED RELEASE INFORMATION FOR DNOS 3270 ICS 1.1.0
.DNO3270.TSK3270	NONE	3270 EMULATOR TASK PATCHES 1.1.0
.DNRTSOBJ.DNPPRTS	NONE	DNOS RTS OBJECT INSTALLATION DISK PATCHES 1.1.0
.DNRTSOBJ.DNPRTS	3365	DNOS RTS COMMUNICATIONS DSR OVERLAY PATCHES 1.1.0
.DNRTSOBJ.DNTPRTS	3302	DNOS RTS TASK PATCHES 1.1.0

PRODUCTS CONTAINED ON DNPATCH2

FILE	LAST PATCH NUMBER	RELEASE AND DESCRIPTION
.DBMS	2958	DNOS DBMS 2.2.0 PATCHES
.DD990	2700	DNOS DATA DICTIONARY 1.1.0 PATCHES
.DNBASIC	3351	DNOS BASIC 4.1.0 PATCHES
.FORT78	3327	DNOS FORTRAN-78 1.3.0 PATCHES
.QUERY	3330	DNOS QUERY-990 1.4.0 PATCHES
.SORTMERG	3088	DNOS SORT/MERGE 1.0.0 PATCHES
.TIPE	3374	DNOS TIPE 2.1.0 PATCHES

SECTION 3

SPECIAL INSTRUCTIONS

3.1 DNOS OPERATING SYSTEM 1.2.0 PATCHES

For the DNOS 1.10.0 patch release the patch files are ".KERNEL" and ".UTILITY". The user should apply both the KERNEL and UTILITY patches from this update. If one and not the other is applied, a system crash can be generated since one pair of patches must be synchronized.

To apply patches to the DNOS operating system use the Patch Generated System (PGS) command. Details on this and other SCI commands can be found in the DNOS System Command Interpreter SCI Reference Manual.

If security is in use, be sure to log on with a security managers access group. Failure to do so could result in some patches not being applied due to security violations. For more information on security, refer to the DNOS Security Manager's Guide.

The value for "\$CMDS" is usually ".S\$CMDS,.S\$SYSTEM.S\$CMDS" for the major commands directory and the history commands.

The following instructions may be used to apply the KERNEL and UTILITY patches received on this update:

```
*-----*
* *** PATCH FILE  DNOS 1.2.00  KERNEL  1.2.00  LAST UPDATE 11/29/83*
*-----*
*      INSTRUCTIONS:
*
*      THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY
*      INVOKING THE "PGS" COMMAND PROCEDURE OR BY USING AN XB
*      COMMAND.
*
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYMS BEFORE RUNNING THIS
*      BATCH STREAM:
*
*      $OT      - VOLUME NAME OF DISK TO BE PATCHED
*      TEMP     - A FILE UNIQUE TO THE USER, SUCH AS .TEMP@ME
*                IF NOT ASSIGNED, .TEMP@ME WILL BE USED
*      $CSNAM  - NAME OF SYSTEM TO BE PATCHED
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYMS IF YOU HAVE MOVED SCI
*      COMMAND PROCEDURES INTO COMMAND DIRECTORIES OTHER THAN THOSE
*      SUPPLIED WITH YOUR SOFTWARE:
*
*      $CMDS   - THE MAJOR COMMANDS DIRECTORY(IES) AND THE HISTORY COMMANDS
*-----*
```



```

*-----*
* *** PATCH FILE  DNOS 1.2.00  UTILITY  1.2.00  LAST UPDATE 11/21/83*
*-----*
*      INSTRUCTIONS:
*
*      THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY
*      INVOKING THE "PGS" COMMAND PROCEDURE OR BY USING AN XB
*      COMMAND.
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYMS BEFORE RUNNING THIS
*      BATCH STREAM:
*
*      $OT      - VOLUME NAME OF DISK TO BE PATCHED
*      $CSNAM   - NAME OF SYSTEM TO BE PATCHED
*      $XSGU$D - VLOUME NAME OF DATA DISK CONTAINING .S$OSLINK DIRECTORY
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYM IF YOU HAVE THE SYSTEM
*      UTILITY PROGRAM FILE NAMED SOMETHING OTHER THAN .S$UTIL
*
*      S$UTIL - UTILITY PROGRAM FILE BEING PATCHED
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYM IF YOU HAVE THE IPL FILE
*      NAMED SOMETHING OTHER THAN .S$IPL
*
*      S$IPL  - NAME OF IPL FILE BEING PATCHED
*
*      YOU MUST ASSIGN THE FOLLOWING SYNONYMS IF YOU HAVE MOVED SCI
*      COMMAND PROCEDURES INTO COMMAND DIRECTORIES OTHER THAN THOSE
*      SUPPLIED WITH YOUR SOFTWARE:
*
*      $CMDS  - THE MAJOR COMMANDS DIRECTORY(IES) AND THE HISTORY COMMANDS
*      CMDLIB - COMMAND DIRECTORY TO BE MODIFIED BY .PROC PATCHES
*-----*

```

3.1.1 DNOS OPERATING SYSTEM 1.2.0 OPTIONAL PATCHES.

The following patch is an optional patch that may be applied by the user to his operating system if applicable. The user should read the optional patch information very carefully to insure that this patch needs to be applied.

OPTIONAL PATCH: P3356

For disks that are not supported by Texas Instruments, the Initialize Disk Surface (IDS) command assumes the disk does not have the transfer inhibit feature. This assumption might cause the IDS utility to terminate with the SVC error >0005 if the amount of data being transferred is too great for the internal

buffers of the task. If you experience this problem and you are certain that your disk has transfer inhibit, use the following patch to correct the problem:

```

*-----*
*=P3356  MPS/LEK  01/06/84  STR #17211  DNOS  UTILITY  1.2.00  DITDAT
*
*  PROBLEM:  IDS TERMINATES WITH ERROR >0005 WITH NON TI SUPPORTED
*            DISKS.
*  SOLUTION: IF THE DISK HAS TRANSFER INHIBIT, APPLY THIS OPTIONAL
*            PATCH TO CAUSE IDS TO USE TRANSFER INHIBIT.
*
MPI PF=@$OT.@$SUTIL, MT=TA, MN=IDS, ADR=>2632+>03D4,
      V=>0020,
      D=>0820, C=>0820
EC
*$
*-----*

```

WARNING

Do not use this patch if you are using disks that are neither supported by Texas Instruments nor have the transfer inhibit feature. Use of this patch for disks that do not have transfer inhibit could cause system crashes.

This patch may be applied either interatively through SCI or the user may enter this patch as a file onto the system placing the "BATC" statement at the beginning of the file and the "EBATC" statement at the end of file and execute the file as a batch stream. The user should ensure that in either case the synonym assignments stated in the KERNEL and UTILITY file have been made before performing the optional patch step.

3.2 DNOS BASIC 4.1.0 PATCHES

The patch file for the DNOS Basic patches is ".DNBASIC". The following instructions can be used for applying the patches to DNOS Basic via the Execute Batch (XB) command:

The value for "\$CMDS" is usually ".S\$CMDS,.S\$SYSTEM.S\$CMDS" for the major commands directory and the history commands.

```

*-----*
* *** PATCH FILE  DNOS 1.2.0 BASIC           4.1.0 LAST UPDATE 02/08/84*
*-----*
*      INSTRUCTIONS:
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYM BEFORE RUNNING THIS
* BATCH STREAM:
*
* DSC      - VOLUME NAME OF THE DISK ON WHICH BASIC IS INSTALLED.
*
* IT IS BEST TO APPLY PATCHES FROM A USER ID WITH FEW,
* IF ANY, USER SYNONYMS.
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYM IF YOU HAVE MOVED SCI
* COMMAND PROCEDURES INTO COMMAND DIRECTORIES OTHER THAN THOSE
* SUPPLIED WITH YOUR SOFTWARE:
*
* $CMDS    - THE MAJOR COMMANDS DIRECTORY(IES) AND THE HISTORY COMMANDS
*-----*

```

3.3 DNOS DATA DICTIONARY 1.1.0 PATCHES

The patch file for DNOS DATA DICTIONARY patches is ".DD990". The Execute Batch (XB) command may be used to apply the patch file. The following instructions may be used to apply the patches:

```

*-----*
* *** PATCH FILE      DNOS 1.2.0  DD-990 1.1.0      LAST UPDATE 02/08/84
*-----*
* * * *           S P E C I A L   I N S T R U C T I O N S           * * *
*
*           THIS PATCH STREAM IS INITIALLY SET UP FOR PATCHING
*           THE DATA DICTIONARY (DD-990) UTILITIES ON DNOS SYSTEMS THAT
*           DO NOT HAVE DBMS-990.
*           BEFORE ATTEMPTING TO PATCH YOUR DNOS DD-990
*           PLEASE TEXT EDIT THE USER MODIFIED AREA OF THIS PATCH
*           STREAM AS FOLLOWS:
*
*           1. LOOK IN ONE OF THE LINK MAPS LISTED BELOW (DEPENDING ON
*              THE DD-990 CONFIGURATION) AND LOOK FOR THE MODULE NAME
*              AND ITS ORIGIN.
*
*           2. REPLACE THE ADDRESSES IN THIS PATCH FILE WITH THOSE IN THE
*              LINK MAP.
*-----*
* THE FOLLOWING LOGICAL NAMES ARE OR MUST BE ASSIGNED BEFORE RUNNING
* THIS BATCH STREAM
*
* S$DD - THE DD-990 DIRECTORY
*
* S$DBMS - THE DBMS990 DIRECTORY (IF YOU INSTALLED DD990 ON A SYSTEM
* WITHOUT DBMS990, ASSIGN THIS LOGICAL NAME TO
* "VOLUME.S$DBMS" WHERE "VOLUME" IS THE VOLUME NAME OF THE
* DISK ON WHICH YOUR DD-990 DIRECTORY RESIDES.)
*-----*
* THE FOLLOWING SYNONYMS ARE OR MUST BE ASSIGNED BEFORE RUNNING
* THIS BATCH STREAM
*
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS
*        (USUALLY ".S$CMDS,.S$SYSTEM.S$CMDS")
* $CMLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES
*        (USUALLY ".S$CMDS")
* $VOLBLD - VOLUME NAME OF THE TARGET DISK
*
* $DBMS - IF YOU HAVE INSTALLED DBMS990 ON YOUR SYSTEM, SET THIS

```

* SYNONYM TO "YES"; OTHERWISE, LEAVE IT UNASSIGNED.

 * The following portion of the instruction section is the user modified area which contains information which must be modified by the user to correspond with the system on which this patch file is to be applied.

* *** USER MODIFIED AREA ***

* < < < LINK MAP TRUTH TABLE > > >

CONDITIONS	LINK MAP PATHNAME
IF DBMS INSTALLED = YES AND IF TIFORM INSTALLED = YES	DD.LINK.DN.CSDB.LST.IDL
IF DBMS INSTALLED = YES AND IF TIFORM INSTALLED = NO	DD.LINK.DN.CSDB.LST.IDLFORM
IF DBMS INSTALLED = NO AND IF TIFORM INSTALLED = YES	DD.LINK.DN.DDDB.LST.IDL
IF DBMS INSTALLED = NO AND IF TIFORM INSTALLED = NO	DD.LINK.DN.DDDB.LST.IDLFORM

* WHERE "DD" IS THE DISK OR DIRECTORY FROM WHICH DD-990 WAS INSTALLED .

SYNONYM	VALUE/ORIGIN	CORRESPONDING MODULE IN LINK MAP	PAGE
.SYN CHKNAM =	>1E3E	! CHKNAM	6

* *** END OF USER MODIFIED AREA ***

3.4 DNOS DBMS 2.2.0 PATCHES

The patch file for DBMS is ".DBMS". The Execute Batch (XB) command may be used to apply this patch file. Perform the DNOS DBMS patches using the following instructions:

```

*-----*
* *** PATCH FILE   DNOS   DBMS-990   2.2.0   LAST UPDATE 01/06/84   *
*-----*
* ***   S P E C I A L   I N S T R U C T I O N S   ***
*
* BEFORE RUNNING THIS PATCH STREAM, INSPECT THE SYNONYM
* ASSIGNMENTS IN THE "USER MODIFIED AREA" BELOW.  THESE SYNONYM
* ASSIGNMENTS MAY NEED TO BE MODIFIED SO THAT THE PATCHES WILL
* APPLY PROPERLY ON YOUR CONFIGURATION.  THE INSTRUCTIONS FOR
* MODIFYING THESE SYNONYMS FOLLOWS.
*
* THE USER MODIFIED SYNONYMS APPEAR IN TWO FORMS:
*
*           SYNONYM           !           TYPE   CATEGORY
*           -----           !           ----   -
* A)  .SYN  ENAME=>XXXX       !           A     FEATURE
* B)  .SYN  MNAME=>XXXX       !           B     FEATURE
*
* EXPLANATIONS OF THESE TYPES FOLLOWS:
*
* A) ARE ENTRY POINTS IN THE PROGRAM AND WILL HAVE THEIR VALUES
* LISTED IN THE "DEFINITIONS" PORTION OF THE LINK MAP NEXT TO
* THE ENTRY POINT WITH THE SAME NAME AS THE SYNONYM.
*
* B) ARE LOAD POINTS AND HAVE THEIR VALUES LISTED AS THE "ORIGIN"
* OF THE MODULE WITH THE SAME NAME AS THE SYNONYM.
*
* ALL USER MODIFIED SYNONYMS MUST BE SET BY THE USER FROM THE LINK
* MAPS GENERATED BY THE DATA BASE GENERATION PROCESS (DBGEN).
* SYNONYMS ARE SET BY REPLACING THE "XXXX" WITH THE ADDRESS LISTED IN
* THE LINK MAP.
*
* THE CATEGORY FIELD IS USED TO INDICATE THAT A SYNONYM IS NEEDED
* ONLY IF THE FEATURE SPECIFIED WAS INCLUDED IN DBMS DURING THE
* EXECUTION OF THE DBGEN PROC.  IF THE FEATURE IS NOT IN THE DBMS
* THAT WAS GENERATED, THEN A NULL VALUE ("") SHOULD BE ASSIGNED TO
* THE SYNONYM.  FOR EXAMPLE:
*
* .SYN  LGOPEN=""           !           A     LOGGING

```

```

* IF THE CATEGORY IS ALL, THEN THE SYNONYM MUST ALWAYS BE SET.
*-----*
* THE FOLLOWING LOGICAL NAMES ARE OR MUST BE ASSIGNED BEFORE RUNNING
* THIS BATCH STREAM
*
* S$DBMS - THE DBMS DIRECTORY
*-----*
* THE FOLLOWING SYNONYMS ARE OR MUST BE ASSIGNED BEFORE RUNNING
* THIS BATCH STREAM
*
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS
* (USUALLY ".S$CMDS,.S$SYSTEM.S$$CMDS")
* CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES
* (USUALLY ".S$CMDS")
* DSC - VOLUME NAME OF THE TARGET DISK
*-----*
    
```

The following portion of the instruction section is the user modified area which contains a synonym list which must be modified by the user to correspond with the system on which this patch file is to be applied.

```

*-----*
* *** USER MODIFIED AREA ***
*-----*
*      SYNONYM          !      TYPE      CATEGORY          PAGE
*      -----          !      ----      -
*
*      USE DBMS990N.LINK.DNOS.LST.DBM FOR THE FOLLOWING SYNONYMS
*
* .SYN DBMMWC=">68AC"    !      A      ALL              4
* .SYN LEFRHD=">658C"    !      A      ALL              5
* .SYN LCKMGR=">15E8"    !      A      ALL              5
* .SYN DBMSG =">2B26"    !      B      ALL              3
* .SYN PATCH =">2BDE"    !      B      ALL              3
* .SYN ADD =">0000"      !      A      LOGGING          3
* .SYN STRNS=">5838"     !      A      TRANSACTIONS     6
* .SYN WRIT=">2720"      !      A      TRANSACTIONS     6
* .SYN C1STD1=">051A"    !      A      ALL              3
* .SYN KASTR=">1822"     !      A      ALL              5
* .SYN KY1SDL=">0008"    !      A      ALL              5
* .SYN KYFRPT=">0000"    !      A      ALL              5
* .SYN RSKR1=">345A"     !      A      ALL              5
* .SYN RNKR1=">3306"     !      A      ALL              5
* .SYN KYVALU=">0010"    !      A      ALL              5
* .SYN CEKYL=">0438"     !      A      ALL              3
* .SYN ADDR1=">2DD2"     !      A      ALL              3
* .SYN SESBUF=">0003"    !      A      ALL              5
* .SYN CSENT =">04EC"    !      A      ALL              4
* .SYN CLRLCK=">09A2"    !      A      ALL              4
    
```

.SYN	LCKCHK=">146A"	!	A	ALL	5
.SYN	DELT = ">0B2E"	!	A	ALL	4
.SYN	PR = ">181C"	!	A	ALL	5
.SYN	CFUNC = ">048E"	!	A	ALL	4
.SYN	RBSTFL=">59DE"	!	A	ALL	5
.SYN	CLOS=">08B4"	!	A	ALL	4

*

* USE DBMS990N.LINK.DNOS.LST.DDLT FOR THE FOLLOWING SYNONYMS

*

****NOTE: FOR THE SYNONYM DPATCH, ASSIGN THE LOAD POINT ADDRESS OF
 * THE MODULE PATCH IN THE DDLT LINKMAP.

*

.SYN	DPATCH=">16C2"	!	B	ALL	4
.SYN	SETFIE=">56B0"	!	A	ALL	5
.SYN	DDLDC=">64B0"	!	B	ALL	5
.SYN	DDLFOR=">4DF2"	!	A	ALL	5

*

*

* USE DBMS990N.LINK.DNOS.LST.SUMFIL FOR THE FOLLOWING SYNONYMS

*

****NOTE: FOR THE SYNONYM SPATCH, ASSIGN THE LOAD POINT ADDRESS OF
 * THE MODULE PATCH IN THE SUMFIL LINK MAP.

*

.SYN	SPATCH=">16C2"	!	B	ALL	4
.SYN	SUMFIL=">29AC"	!	B	ALL	5

* *** END OF USER MODIFIED AREA ***

3.5 DNOS COMMON COMMUNICATIONS PARTS 1.2.0 PATCHES

The patch files for DNOS COMMON COMMUNICATIONS PARTS patches are ".DNCMO.DNPCMON", ".DNCMO.DNPCSWS", and ".DNCMO.DNPPCOMM". The following instructions may be used to apply the DNOS COMMON COMMUNICATIONS PARTS patches.

```

*-----*
* *** PATCH FILE DNOS 1.2.0 DNPCMON 1.2.0 LAST UPDATE 02/08/84*
*-----*
* INSTALLATION PATHNAME: .S$OSLINK.DNCMO.DCOMM.P.DNPCMON
*
* ABSTRACT:
* THESE ARE THE PATCHES FOR THE COMMUNICATION COMMON
* PARTS, CSUPSY, CSUPIN, QUEUES, & THE ISRS, WHICH HAVE A
* COPY IN EACH PROTOCOL'S DSR OVERLAY. THE PROTOCOL'S
* DSR PARTIAL LINKMAP AND THE SYSTEM PROGRAM FILE
* ARE CHECKED TO BE SURE THEY ARE AVAILABLE.
* THE ABOVE MENTIONED LINKMAP IS EXPECTED TO RESIDE
* ON THE TARGET SYSTEM ($OT) ASSIGNED DURING EXECUTION
* OF THE PROC 'XSGU' (EXECUTE SYSTEM GENERATION UTILITY).
* THIS PATCH FILE IS APPLIED USING THE 'PGS' PROC (PATCH
* GENERATED SYSTEM).
* USE OF THE 'PGS' PROC IS DESCRIBED IN THE DNOS SYSTEM
* GENERATION REFERENCE MANUAL (PART NUMBER 2270511-9701).
*
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED BY THE "PGS" PROCESS:
*
* $OT - TARGET SYSTEM DISK/VOLUME NAME
* $CSNAM - SYSTEM NAME OF TARGET DNOS SYSTEM TO BE PATCHED
* $PROT - COMMUNICATIONS DSR (PROTOCOL) TO BE PATCHED
* $CMDS - ".S$CMDS,.S$SYSTEM.S$CMDS"
*-----*

```

```
*-----*
* *** PATCH FILE   DNOS 1.2.0   DNPCSW 1.2.0   LAST UPDATE 02/08/84*
*-----*
* INSTALLATION PATHNAME:  .S$OSLINK.DNCOMO.DCOMM.P.DNPCSW
*
* ABSTRACT:
*   THESE ARE THE PATCHES FOR THE COMMUNICATION SOFTWARE
*   LEVEL SCHEDULER.
*   THE SOFTWARE LEVEL SCHEDULER PARTIAL LINKMAP
*   (CMAPCSWS) AND THE SYSTEM PROGRAM FILE
*   ARE CHECKED TO BE SURE THEY ARE AVAILABLE.
*   THE ABOVE MENTIONED LINKMAPS ARE EXPECTED
*   TO RESIDE ON THE '.S$SGU$.SYSNAME' DIRECTORY ASSIGNED
*   DURING EXECUTION OF THE PROC 'XSGU' (EXECUTE SYSTEM
*   GENERATION UTILITY).
*   THIS PATCH FILE IS APPLIED BY USING THE 'PGS' PROC (PATCH
*   GENERATED SYSTEM).
*   USE OF THE 'PGS' PROC IS DESCRIBED IN THE DNOS SYSTEM
*   GENERATION REFERENCE MANUAL (PART NUMBER 2270511-9701).
*
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED BY THE "PGS" PROCESS:
*
*   $OT      - TARGET SYSTEM DISK/VOLUME NAME
*   $CSNAM  - SYSTEM NAME OF TARGET DNOS SYSTEM TO BE PATCHED
*   $CMDS   - ".S$CMDS,.S$SYSTEM.S$CMDS"
*-----*
```

```
*-----*
* *** PATCH FILE DNOS 1.2.0  DNPPCOMM 1.2.0      LAST UPDATE  02/08/84*
*-----*
* INSTALLATION PATHNAME:  .S$OSLINK.DNCMO.DCOMM.P.DNPPCOMM
*
* ABSTRACT:  THIS PATCH FILE PATCHES THE COMMON COMMUNICATIONS
*            UTILITIES GENERATION PROCEDURES BEFORE THE INSTALLATION
*            PROCESS (IUT) BEGINS.
*            THE COMMAND LIBRARY THAT IS PATCHED RESIDES ON THE DNOS
*            LINKABLE PARTS DIRECTORY UNDER THE PATHNAME,
*            .S$OSLINK.DNCMO.S$CCMDS. $CVN REPRESENTS THIS DIRECTORY.
*
*            THIS PATCH FILE IS APPLIED USING THE "IUC" PROC, WHICH
*            IS INVOKED DURING THE INITIAL PHASE OF THE DNOS COMM
*            UTILITIES INSTALLATION.
*-----*
```

3.6 DNOS 3780/2780 EMULATOR 1.2.0 PATCHES

The patch files for DNOS 3780/2780 patches are ".DNCOMOBJ.DNP3780", ".DNCOMOBJ.DNPP3780", and ".DNCOMOBJ.DNTP3780". The following instructions are for the DNOS 3780/2780 Emulator patch application.

The value for "\$CMDS" is usually ".S\$CMDS,.S\$SYSTEM.S\$CMDS" for the major commands directory and the history commands.

```

*-----*
* *** PATCH FILE DNOS 1.2.0 DSR 3780 1.2.0 LAST UPDATE 02/08/84*
*-----*
* INSTALLATION PATHNAME: .S$OSLINK.DNCOMO.D3780.P.DNP3780
*
* ABSTRACT:
* THESE ARE THE PATCHES FOR THE 3780/2780 DSR PARTS IN
* DSR3780. ANOTHER PATCH FILE PATCHES COMMON PARTS IN THE
* SAME OVERLAY. THE 3780 PARTIAL LINKMAP, DMAP3780, AND THE
* SYSTEM PROGRAM FILE ARE CHECKED TO BE SURE THEY ARE AVAILABLE.
* THE LINKMAP IS EXPECTED TO RESIDE ON THE TARGET SYSTEM
* ($OT) ASSIGNED WHEN EXECUTING THE PROC 'XSGU' (EXECUTE SYSTEM
* GENERATION UTILITY).
* THIS PATCH FILE IS APPLIED USING THE PROC 'PGS' (PATCH
* GENERATED SYSTEM).
* USE OF THE 'PGS' PROC IS DESCRIBED IN THE DNOS SYSTEM
* GENERATION REFERENCE MANUAL (PART NUMBER 2270511-
* 9701).
*
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED BY THE "PGS" PROCESS:
*
* $OT - TARGET SYSTEM DISK/VOLUME NAME
* $CSNAM - SYSTEM NAME OF TARGET DNOS SYSTEM TO BE PATCHED
* $PROT - COMMUNICATIONS DSR (PROTOCOL) TO BE PATCHED
* $CMDS - ".S$CMDS,.S$SYSTEM.S$CMDS"
*-----*

```

```
*-----*
* *** PATCH FILE  DNOS 1.2.0  DNPP3780 1.2.0    LAST UPDATE  02/08/84*
*-----*
* INSTALLTION PATHNAME:  DNCOMOBJ.DNCMO.D3780.P.DNPP3780
*
* ABSTRACT:  THIS PATCH FILE PATCHES THE 3780 BUILD (DSR AND TASK)
*            PROCEDURES BEFORE EITHER BUILD PROCESS BEGINS.
*            THE DISK PATCHED IS THE OBJECT INSTALLATION DISK.
*            $CVN REPRESENTS THE DISK TO BE PATCHED.
*
*            THIS PATCH FILE IS LOCATED ON THE DNOS 3780/2780
*            EMULATOR OBJECT DISK/DIRECTORY:
*                DNCOMOBJ.DNCMO.D3780.P.DNPP3780
*
*            THIS PATCH FILE IS APPLIED USING THE "ICC" PROC, WHICH
*            IS INVOKED DURING THE INITIAL PHASE OF A DNOS 3780/2780
*            TASK BUILD.
*-----*
```

```

*-----*
* *** PATCH FILE  DNOS 1.2.0  DNTP3780 1.2.0   LAST UPDATE 02/08/84*
*-----*
*  INSTALLATION PATHNAME:  DNCOMOBJ.PATCH.DNTP3780
*
*  ABSTRACT:
*    THESE ARE THE PATCHES FOR THE 3780/2780 EMULATOR TASKS. THE
*    TASK LINKMAP(S) (TASK3780/TASK2780) AND THE COMM PROGRAM
*    FILE (.S$COMMDN) ARE CHECKED TO BE SURE THEY ARE AVAILABLE.
*    THE LINKMAP(S) ARE ASSUMED TO RESIDE ON THE LISTING DIRECTORY
*    DESCRIBED WHEN BUILDING THE TASK(S) USING THE PROC 'BET'
*    (BUILD EMULATOR TASKS).
*    THE COMM PROGRAM FILE IS ASSUMED TO BE ON DS01 IF THE
*    SYNONYM $$DSC$ IS NOT ASSIGNED.
*    THIS PATCH FILE IS APPLIED AT TASK INSTALLATION OR BY
*    USING THE 'PT3780' PROC (PATCH 3780/2780 COMMUNICATIONS
*    TASKS) LOCATED ON THE EMULATOR OBJECT INSTALLATION DISK,
*    DNCOMOBJ.
*    USE OF THE 'PT3780' PROC IS DESCRIBED IN THE 'DNOS 3780/2780
*    EMULATOR OBJECT INSTALLATION DOCUMENT' (PART NUMBER 2270545-
*    9701).
*
*  THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
*  ASSIGNED BY THE INSTALLATION PROCEDURE OR THE "PT3780" PROCESS:
*
*    $$DSC$ - THE COMM PROGRAM FILE DISK NAME
*    $CMDS  - ".S$CMDS,.S$SYSTEM.S$CMDS"
*    CMDLIB - THE COMMAND DIRECTORY TO BE MODIFIED BY .PROC PATCHES
*    $C378  - THE SYNONYM SET IF 3780 TASK IS TO BE PATCHED
*    $C278  - THE SYNONYM SET IF 2780 TASK IS TO BE PATCHED
*    $CLST  - THE DIRECTORY NAME WHERE THE LINK MAPS RESIDE
*    $PROT  - THE SYNONYM SET FOR WHICH EMULATOR IS TO BE PATCHED
*-----*

```

3.7 DNOS DNCS 1.2.0 PATCHES

The patch files for DNCS 1.2.0 are ".DNCS12.DNPCMNS", ".DNCS12.DNPLAP", ".DNCS12.DNPSDLC", ".DNCS12.PAT914", ".DNCS12.PATEMU", ".DNCS12.PATGEN", ".DNCS12.PATNUC", ".DNCS12.PATRFT", ".DNCS12.PUPSC", and ".DNCS12.PURFT".

Before applying these patches, ensure that the synonym DCFWO is assigned to the DNCS Nucleus object directory. In addition, depending on your configuration, ensure that the following synonyms are assigned:

DCMO---DNCS SNA Emulator object directory
 DCRFTO--DNCS X.25 RFT object directory
 DC9140--DNCS 914A Terminal Support object directory

The following instructions along with the above noted synonym assignments should be used to apply the patches:

```

*-----*
* *** PATCH FILE   DNOS 1.2.0 DNPCMNS 1.2.0   LAST UPDATE 10/01/83*
*-----*
* INSTRUCTIONS                                           *
* *
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING *
* THE 'PGS' COMMAND PROCEDURE LOCATED ON THE DNOS COMMAND LIBRARY *
* .S$CMDS. THIS PATCH BATCH STREAM MUST BE COPIED TO THE PATHNAME *
* @$OT.S$OSLINK.DNCS.DCMNS.P.DNPCMNS BEFORE INVOKING THE 'PGS' *
* COMMAND. USE OF THE 'PGS' COMMAND IS DESCRIBED IN THE DNOS SYSTEM *
* GENERATION REFERENCE MANUAL (PART NUMBER 2270511-9701). *
* *
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PGS': *
* *
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS *
* CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES *
* $OT - TARGET SYSTEM DISK/VOLUME *
* *
* MORE INFORMATION ABOUT THIS PATCH FILE FOLLOWS: *
* *
* THIS IS THE PATCH FILE FOR THE COMMUNICATIONS DSR OVERLAY *
* DSRCMNS. THIS OVERLAY IS COMPOSED OF BOTH COMMON DSR PARTS *
* WHICH ARE PATCHED BY THE DNPCMNS PATCH FILE AND CMNS PARTS *
* WHICH ARE PATCHED BY THIS PATCH STREAM. THE CMNS PARTIAL *
* LINKMAP, DMAPCMNS, AND THE SYSTEM PROGRAM FILE ARE CHECKED *
* TO BE SURE THEY ARE AVAILABLE. *
*-----*

```

```
*-----*
* *** PATCH FILE   DNOS 1.2.0 DNPLAP 1.2.0       LAST UPDATE 11/09/83*
*-----*
* INSTRUCTIONS                                         *
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING *
* THE 'PGS' COMMAND PROCEDURE LOCATED ON THE DNOS COMMAND LIBRARY *
* .S$CMDS. THIS PATCH BATCH STREAM MUST BE COPIED TO THE PATHNAME *
* @$OT.S$OSLINK.DNCSMO.DLAP.P.DNPLAP BEFORE INVOKING THE 'PGS' *
* COMMAND. USE OF THE 'PGS' COMMAND IS DESCRIBED IN THE DNOS SYSTEM *
* GENERATION REFERENCE MANUAL (PART NUMBER 2270511-9701). *
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PGS': *
*
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS *
* CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES *
* $OT - TARGET SYSTEM DISK/VOLUME *
*
* MORE INFORMATION ABOUT THIS PATCH FILE FOLLOWS: *
* THIS IS THE PATCH FILE FOR THE COMMUNICATIONS DSR OVERLAY *
* DSRLAP. THIS OVERLAY IS COMPOSED OF BOTH COMMON DSR PARTS *
* WHICH ARE PATCHED BY THE DNPCMON PATCH FILE AND LAP PARTS *
* WHICH ARE PATCHED BY THIS PATCH STREAM. THE LAP PARTIAL *
* LINKMAP, DMAPLAP, AND THE SYSTEM PROGRAM FILE ARE CHECKED *
* TO BE SURE THEY ARE AVAILABLE. *
*-----*
```



```
*-----*
*   *** PATCH FILE      DNOS 1.2.0 DNPSDLC 1.2.0          LAST UPDATE 8/30/83*
*-----*
* INSTRUCTIONS                                           *
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING *
* THE 'PGS' COMMAND PROCEDURE LOCATED ON THE DNOS COMMAND LIBRARY *
* .S$CMDS. THIS PATCH BATCH STREAM MUST BE COPIED TO THE PATHNAME *
* @$OT.S$OSLINK.DNCSMO.DSDLC.P.DNPSDLC BEFORE INVOKING THE 'PGS' *
* COMMAND. USE OF THE 'PGS' COMMAND IS DESCRIBED IN THE DNOS SYSTEM *
* GENERATION REFERENCE MANUAL (PART NUMBER 2270511-9701).      *
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PGS':  *
*
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS *
* CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES *
* $OT -   TARGET SYSTEM DISK/VOLUME                             *
*
* MORE INFORMATION ABOUT THIS PATCH FILE FOLLOWS:             *
*   THIS IS THE PATCH FILE FOR THE COMMUNICATIONS DSR OVERLAY *
*   DSRSDLC. THIS OVERLAY IS COMPOSED OF BOTH COMMON DSR PARTS *
*   WHICH ARE PATCHED BY THE DNPCMON PATCH FILE AND SDLC PARTS *
*   WHICH ARE PATCHED BY THIS PATCH STREAM. THE SDLC PARTIAL *
*   LINKMAP, DMAPSDLC, AND THE SYSTEM PROGRAM FILE ARE CHECKED *
*   TO BE SURE THEY ARE AVAILABLE.                            *
*-----*
```

```
*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS 914A    1.2.0 LAST UPDATE 11/09/83*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PIDC' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO.  THE 'PIDC' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PAT914
* BEFORE INVOKING THE 'PIDC' COMMAND.  USE OF THE 'PIDC' COMMAND
* IS DESCRIBED IN THE 'DNCS NUCLEUS OBJECT INSTALLATION GUIDE',
* PART NO. 2302660-9701.
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
*   LOCATION : @$DND.PATCH.PAT914
*   LISTING  : @CUSTOM.LIST.PAT914
*   PURPOSE  : APPLY DNCS 914A PATCHES
*   CALLED BY: @$DND.RELEASE.BAT.PIDC
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PIDC':
*
* $DND   - DNCS NUCLEUS DIRECTORY
* $DMD   - DNCS SNA EMULATOR DIRECTORY
* $D9D   - DNCS 914A DIRECTORY
* $DRD   - DNCS RFT/X25 DIRECTORY
* $DGD   - DNCS GENERATION DIRECTORY
* $CON   - CONFIGURATION NAME
* CUSTOM - DNCS CUSTOM DIRECTORY, @$DGD.S$DGU$.@$CON
* CMDLIB - DNCS COMMAND DIRECTORY, @$DGD.S$DGU$.@$CON.D$CMDS
* $CMDS  - COMMAND FILE FOR 'BUD' AND 'EUD'
*
* THE DNCS PROGRAM FILES FOR PATCHING PURPOSES ARE:
*   @CUSTOM.S$DNCS.PGMTASK---DNCS TASKS (NON-MEMORY RESIDENT)
*   @CUSTOM.S$UTIL----DNCS MEMORY RESIDENT TASKS AND PROCEDURES
*
* 914A   TASK PATCHING IS CONFIGURATION DEPENDENT. 'PIDC' ASSIGNS
* THE VALUE 'YES' TO THE FOLLOWING SYNONYMS TO INDICATE WHETHER THE
* CORRESPONDING TASKS ARE INSTALLED:
*
* T914   -LOAD914A,LLC
*-----*
```

```

*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS SNA/EMU 1.2.0 LAST UPDATE 02/08/84*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PIDC' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO.  THE 'PIDC' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PATEMU
* BEFORE INVOKING THE 'PIDC' COMMAND.  USE OF THE 'PIDC' COMMAND
* IS DESCRIBED IN THE 'DNCS NUCLEUS OBJECT INSTALLATION GUIDE',
* PART NO. 2302660-9701.
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
*   LOCATION : @$DND.PATCH.PATEMU
*   LISTING  : @CUSTOM.LIST.PATEMU
*   PURPOSE  : APPLY DNCS SNA EMULATOR PATCHES
*   CALLED BY: @$DND.RELEASE.BAT.PIDC
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PIDC':
*
* $DND   - DNCS NUCLEUS DIRECTORY
* $DMD   - DNCS SNA EMULATOR DIRECTORY
* $D9D   - DNCS 914A DIRECTORY
* $DRD   - DNCS RFT/X25 DIRECTORY
* $DGD   - DNCS GENERATION DIRECTORY
* $CON   - CONFIGURATION NAME
* CUSTOM - DNCS CUSTOM DIRECTORY, @$DGD.S$DGU$.@$CON
* CMDLIB - DNCS COMMAND DIRECTORY, @$DGD.S$DGU$.@$CON.D$CMDS
* $CMDS  - COMMAND FILE FOR 'BUD' AND 'EUD'
*
* THE DNCS PROGRAM FILES FOR PATCHING PURPOSES ARE:
*   @CUSTOM.S$DNCS.PGMTASK---DNCS TASKS (NON-MEMORY RESIDENT)
*   @CUSTOM.S$UTIL----DNCS MEMORY RESIDENT TASKS AND PROCEDURES
*
* THE FOLLOWING SYNONYM MUST BE USED TO DEFINE THE DIRECTORY WHICH
* CONTAINS THE CUSTOM LINKMAPS.  THE DEFAULT VALUE FOR THIS SYNONYM
* IS @CUSTOM.  HOWEVER, FOR IS&S INTERNAL USE, THE SYNONYM CAN BE
* MODIFIED TO POINT TO ANOTHER DIRECTORY AS REQUIRED.
*
* $CUS   - DNCS CUSTOM DIRECTORY (LINKMAPS ONLY)
*
* SNA/EMU TASK PATCHING IS CONFIGURATION DEPENDENT.  'PIDC' ASSIGNS
* THE VALUE 'YES' TO THE FOLLOWING SYNONYMS TO INDICATE WHETHER THE
* CORRESPONDING TASKS/PROCS ARE INSTALLED:
*
* EMU    -EM3287,EM3278,EM3284,EMKSR,EMPROC
* PSC    -PSCDEF,EMPSC,DSTART,PSTART
*-----*

```

```
*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS GEN      1.2.0 LAST UPDATE 01/12/84*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PDGU' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO.  THE 'PDGU' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PATGEN
* BEFORE INVOKING THE 'PDGU' COMMAND.  USE OF THE 'PDGU' COMMAND
* IS DESCRIBED IN THE 'DNCS NUCLEUS OBJECT INSTALLATION GUIDE',
* PART NO. 2302660-9701.
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
*   LOCATION : @$DND.PATCH.PATGEN
*   LISTING  : @$DND.PATCH.LSTGEN
*   PURPOSE  : APPLY DNCSGEN UTILITY PATCHES
*   CALLED BY: PDGU SCI PROC
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PDGU':
*
*   $DND = DNCS NUCLEUS DIRECTORY
*   $DOV = DNOS SYSTEM VOLUME
*
* THE DNCSGEN PROGRAM FILE IS AT @$DND.S$DCGEN.PROG
*-----*
```

```
*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS NUCLEUS 1.2.0 LAST UPDATE 01/23/84*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PIDC' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO.  THE 'PIDC' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PATNUC
* BEFORE INVOKING THE 'PIDC' COMMAND.  USE OF THE 'PIDC' COMMAND
* IS DESCRIBED IN THE 'DNCS NUCLEUS OBJECT INSTALLATION GUIDE',
* PART NO. 2302660-9701.
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
*   LOCATION : @$DND.PATCH.PATNUC
*   LISTING  : @CUSTOM.LIST.PATNUC
*   PURPOSE  : APPLY DNCS NUCLEUS PATCHES
*   CALLED BY: @$DND.RELEASE.BAT.PIDC
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PIDC':
```

```

*
* $DND - DNCS NUCLEUS DIRECTORY
* $DMD - DNCS SNA EMULATOR DIRECTORY
* $D9D - DNCS 914A DIRECTORY
* $DRD - DNCS RFT/X25 DIRECTORY
* $DGD - DNCS GENERATION DIRECTORY
* $CON - CONFIGURATION NAME
* CUSTOM - DNCS CUSTOM DIRECTORY, @$DGD.S$DGU$.@$CON
* CMDLIB - DNCS COMMAND DIRECTORY, @$DGD.S$DGU$.@$CON.D$CMDS
* $CMDS - COMMAND FILE FOR 'BUD' AND 'EUD'
*
* THE FOLLOWING SYNONYM MUST BE USED TO DEFINE THE DIRECTORY WHICH
* CONTAINS THE CUSTOM LINKMAPS. THE DEFAULT VALUE FOR THIS SYNONYM
* IS @CUSTOM. HOWEVER, FOR IS&S INTERNAL USE, THE SYNONYM CAN BE
* MODIFIED TO POINT TO ANOTHER DIRECTORY AS REQUIRED.
*
* $CUS - DNCS CUSTOM DIRECTORY (LINKMAPS ONLY)
*
* THE DNCS PROGRAM FILES FOR PATCHING PURPOSES ARE:
* @CUSTOM.S$DNCS.PGMTASK---DNCS TASKS (NON-MEMORY RESIDENT)
* @CUSTOM.S$UTIL----DNCS MEMORY RESIDENT TASKS AND PROCEDURES
*
* NUCLEUS TASK PATCHING IS CONFIGURATION DEPENDENT. 'PIDC' ASSIGNS
* THE VALUE 'YES' TO THE FOLLOWING SYNONYMS TO INDICATE WHETHER THE
* CORRESPONDING TASKS/PROCS ARE INSTALLED:
*
* NUC -DNCS COMM, DNCS SCT, DNCS PDCT, DNCS CLOK, DNCS CI, EMSCI,
* DNCS STOP, DNCS INIT, SVQHST, SVQSCI, SVQQUE, SVQMGR,
* NUCPROC, CIMENU, NETPROC, SVQPROC
* SDLC -DLSDLC
* NIO -DNCSINAP
* X25 -DNCSNAP, LAP
* SNA -DNCSTSR, DNCS PC, DNCS DC
* NIA -DNCSNIA
* DXP -DNCSNCP
* TRP -DNCSTRP, OPRSIT, SITPROC
*-----*

```

```

*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS X25 RFT 1.2.0 LAST UPDATE 12/13/83*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PIDC' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO. THE 'PIDC' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PATRFT
* BEFORE INVOKING THE 'PIDC' COMMAND. USE OF THE 'PIDC' COMMAND
* IS DESCRIBED IN THE 'DNCS NUCLEUS OBJECT INSTALLATION GUIDE',
* PART NO. 2302660-9701.
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
* LOCATION : @$DND.PATCH.PATRFT
* LISTING  : @CUSTOM.LIST.PATRFT
* PURPOSE  : APPLY DNCS X25 RFT PATCHES
* CALLED BY: @$DND.RELEASE.BAT.PIDC
*
* THE FOLLOWING SYNONYMS ARE ASSIGNED AUTOMATICALLY BY 'PIDC':
*
* $DND   - DNCS NUCLEUS DIRECTORY
* $DMD   - DNCS SNA EMULATOR DIRECTORY
* $D9D   - DNCS 914A DIRECTORY
* $DRD   - DNCS RFT/X25 DIRECTORY
* $DGD   - DNCS GENERATION DIRECTORY
* $CON   - CONFIGURATION NAME
* CUSTOM - DNCS CUSTOM DIRECTORY, @$DGD.S$DGU$.@$CON
* CMDLIB - DNCS COMMAND DIRECTORY, @$DGD.S$DGU$.@$CON.D$CMDS
* $CMDS  - COMMAND FILE FOR 'BUD' AND 'EUD'
*
* THE FOLLOWING SYNONYM MUST BE USED TO DEFINE THE DIRECTORY WHICH
* CONTAINS THE CUSTOM LINKMAPS. THE DEFAULT VALUE FOR THIS SYNONYM
* IS @CUSTOM. HOWEVER, FOR IS&S INTERNAL USE, THE SYNONYM CAN BE
* MODIFIED TO POINT TO ANOTHER DIRECTORY AS REQUIRED.
*
* $CUS   - DNCS CUSTOM DIRECTORY (LINKMAPS ONLY)
*
* THE DNCS PROGRAM FILES FOR PATCHING PURPOSES ARE:
* @CUSTOM.S$DNCS.PGMTASK---DNCS TASKS (NON-MEMORY RESIDENT)
* @CUSTOM.S$UTIL----DNCS MEMORY RESIDENT TASKS AND PROCEDURES
*
* X25 RFT TASK PATCHING IS CONFIGURATION DEPENDENT. 'PIDC' ASSIGNS
* THE VALUE 'YES' TO THE FOLLOWING SYNONYMS TO INDICATE WHETHER THE
* CORRESPONDING TASKS/PROCS ARE INSTALLED:
*
* RFT     -RFT,OPR,MSG,CPY,SVQRFT,RFTPROC
*-----*

```

```

*-----*
*   *** PATCH FILE   DNOS 1.2.0 DNCS PSCUSER 1.2.0 LAST UPDATE 11/09/83*
*-----*
*   INSTRUCTIONS:
*
*   THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
*   THE 'PUPSC' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
*   OBJECT INSTALLATION DISK, DCFWO.  THE 'PUPSC' COMMAND FILE IS
*   ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.$CMDS. THIS PATCH
*   BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PUPSC
*   BEFORE INVOKING THE 'PUPSC' COMMAND.  USE OF THE 'PUPSC' COMMAND
*   IS DESCRIBED IN THE 'DNCS/SNA USER'S GUIDE', PART NO. 2302663-9701*
*
*   MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
*   LOCATION  : @$DND.PATCH.PUPSC
*   LISTING   : @$DND.PATCH.LSTUP
*   PURPOSE   : APPLY PATCHES TO PSC SUBROUTINES
*   CALLED BY: DCFWO.RELEASE.PROC.PUPSC
*
*   THE FOLLOWING SYNONYMS ARE AUTOMATICALLY ASSIGNED BY 'PUPSC':
*
*   $ULM      - USER LINKMAP PATHNAME
*   $UPF      - USER PROGRAM FILE PATHNAME
*   $UTK      - USER TASK NAME
*   $ALANG    - APPLICATION LANGUAGE
*   $DND      - DNCS NUCLEUS DIRECTORY
*   $DOV      - DNOS SYSTEM VOLUME
*   $CMDS     - COMMAND FILE FOR 'BUD' AND 'EUD'
*
*   THE USER'S PROGRAM FILE IS LOCATED AT:
*   @UPF--- USER PROGRAM FILE ACCESS NAME
*-----*

```

```
*-----*
* *** PATCH FILE  DNOS 1.2.0 DNCS RFT USER 1.2.0 LAST UPDATE 11/09/83*
*-----*
* INSTRUCTIONS:
*
* THE USER IS EXPECTED TO EXECUTE THIS BATCH STREAM BY INVOKING
* THE 'PURFT' COMMAND PROCEDURE LOCATED ON THE DNCS NUCLEUS
* OBJECT INSTALLATION DISK, DCFWO.  THE 'PURFT' COMMAND FILE IS
* ACCESSED BY ENTERING .USE DCFWO.RELEASE.PROC,.S$CMDS. THIS PATCH
* BATCH STREAM MUST BE COPIED TO THE PATHNAME DCFWO.PATCH.PURFT
* BEFORE INVOKING THE 'PURFT' COMMAND.  USE OF THE 'PURFT' COMMAND
* IS DESCRIBED IN THE 'DNCS/RFT USER'S GUIDE', PART NO. 2302640-9701*
*
* MORE INFORMATION CONCERNING THIS PATCH FILE FOLLOWS:
* LOCATION : @$DND.PATCH.PURFT
* LISTING  : @$DND.PATCH.LSTUR
* PURPOSE  : APPLY PATCHES TO RFT INTERFACE SUBROUTINES
* CALLED BY: DCFWO.RELEASE.PROC.PURFT
*
* THE FOLLOWING SYNONYMS ARE AUTOMATICALLY ASSIGNED BY 'PURFT':
*
* $ULM    - USER LINKMAP PATHNAME
* $UPF    - USER PROGRAM FILE PATHNAME
* $UTK    - USER TASK NAME
* $ALANG  - APPLICATION LANGUAGE
* $DND    - DNCS NUCLEUS DIRECTORY
* $DOV    - DNOS SYSTEM VOLUME
* $CMDS   - COMMAND FILE FOR 'BUD' AND 'EUD'
*
* THE USER'S PROGRAM FILE IS LOCATED AT:
* @UPF--- USER PROGRAM FILE ACCESS NAME
*-----*
```


3.8 DNOS 3270 ICS COMMUNICATIONS 1.1.0 PATCHES

The patch files for DNOS ICS 3270 patches are ".DNO3270.DNP3270", ".DNO3270.DNPP3270", ".DNO3270.PSC3270", and ".DNO3270.TSK3270". There is also an update to the release information in the file ".DNO3270.README". The following instructions are for the DNOS 3270 ICS Communications patch application.

The value for "\$CMDS" is usually ".S\$CMDS,.S\$SYSTEM.S\$CMDS" for the major commands directory and the history commands.

```

*-----*
* PATCH FILE DNP3270  DNOS 1.2  ICS 3270 1.1.0  LAST UPDATE 1/18/84 *
*-----*
*
* TITLE:          DNP3270
* ABSTRACT:      THIS PATCH FILE PATCHES THE COMMUNICATIONS DSR
*                ASSOCIATED WITH THE 3270 EMULATOR.  COMMON
*                MODULES IN THE PARTIAL LINK "DSR3270", ARE
*                PATCHED BY "DNPCMON".  PROTOCOL DEPENDENT
*                MODULES ARE PATCHED BY "DNP3270".
*
* *** SPECIAL INSTRUCTIONS ***
* IF THIS FILE IS NOT CURRENTLY ON THE INSTALLATION MEDIA
* COPY THIS FILE USING 'CC' (COPY/CONCATENATE) REPLACING
* THE CURRENT FILE NAME 'DNO3270.DNCOM.D3270.P.DNP3270'.
* THIS PATCH FILE MUST BE APPLIED USING THE CURRENT
* "PGS" PROC.  "PGS" IS AVAILABLE ON EACH SYSTEM DISK
* UNDER THE .S$CMDS DIRECTORY.
*
* ALL EMULATOR DSRS MUST BE GENERATED AND THE SYSTEM
* "ALGS" PERFORMED BEFORE PATCHING BEGINS.
*
* FOLLOW THE INSTRUCTIONS IN THE OBJECT INSTALLATION
* MANUAL(S) FOR THE EMULATOR(S) BEING INSTALLED.
*-----*
* THE FOLLOWING SYNONYMS ARE OR MUST BE ASSIGNED BEFORE RUNNING
* THIS BATCH STREAM
*
* $CMDS - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS
* CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES
*-----*

```

```

*-----*
* PATCH FILE DNPP3270 DNOS 1.2   ICS 3270 1.1.0   LAST UPDATE 1/18/84 *
*-----*
* TITLE:      DNPP3270
*
* ABSTRACT:   THIS PATCH FILE PATCHES THE 3270 BUILD PROCESS
*             PROCEDURES BEFORE THE BUILD PROCESS BEGINS.
*             THE DISK PATCHED IS THE OBJECT INSTALLATION DISK.
*             $CVN REPRESENTS THE DISK TO BE PATCHED.
*-----*
* ***   S P E C I A L   I N S T R U C T I O N S   ***
*
* COPY THIS FILE USING 'CC'(COPY/CONCATENATE)
* REPLACING THE CURRENT FILE WITH PATHNAME
* 'DNO3270.DNCOMO.D3270.P.DNPP3270'.
* THIS PATCH FILE SHOULD BE APPLIED BY INVOKING
* "ICC" DURING THE INITIAL PHASE OF A
* COMMUNICATION BUILD.
*-----*
*-----*
* PATCH FILE PSC3270  DNOS 1.2   ICS 3270 1.1.0   LAST UPDATE 1/18/84 *
*-----*
* THIS BATCH STREAM PATCHES THE DNOS ICS 3270 REL 1.0 PSC USER TASK
*
* NOTE:      PATCHES SHOULD BE APPLIED TO EACH PSC USER TASK AFTER
*            THE LINK EDIT PROCESS. THE LINKMAP OF THE USER TASK
*            NEEDS TO BE SAVED FOR INPUT TO 'PTPSC'
* THE FOLLOWING SYNONYMS MUST BE DEFINED PRIOR TO EXECUTING THIS
* BATCH STREAM
*
*            SYNONYM      VALUE
*            $DSC$       SYSTEM DISK/VOLUME NAME
*            $CMDS       THE MAJOR COMMANDS DIRECTORY AND HISTORY
*                       COMMANDS
*            $CVN        EMULATOR OBJECT PATHNAME
*            $CPGF       PSC USER PROGRAM FILE
*            $CTN        PSC USER TASK NAME
*            $CMAP       PSC USER LINKMAP PATHNAME
*            $CLST       LISTING ACCESS NAME
*-----*
* ***   SPECIAL PROCESSING   ***
* IF THIS FILE IS NOT CURRENTLY ON THE INSTALLATION MEDIA
* COPY THIS FILE USING 'CC' (COPY/CONCATENATE) REPLACING
* THE CURRENT FILE WITH FILENAME 'DNO3270.PAT.PSC3270'
* BEFORE EXECUTING 'PTPSC'(PATCH ICS PSC USER TASK)
*-----*

```

```

*-----*
* PATCH FILE TSK3270  DNOS 1.2  ICS 3270 1.1.0  LAST UPDATE 1/18/84 *
*
*   THESE ARE THE PATCHES FOR THE 3270 EMULATOR TASKS. THE TASK *
*   LINKMAP (TSKMAP) AND THE COMM PROGRAM FILE (.S$COMMDN) ARE *
*   CHECKED TO BE SURE THEY ARE AVAILABLE. *
*   THE LINKMAP IS ASSUMED TO RESIDE ON THE LISTING DIRECTORY *
*   DESCRIBED WHEN BUILDING THE TASK(S) USING THE PROC 'BET' *
*   (BUILD EMULATOR TASKS). *
*   THE COMM PROGRAM FILE IS ASSUMED TO BE ON DS01 IF THE *
*   SYNONYM $$DSC$ IS NOT ASSIGNED. *
*   THIS PATCH FILE IS APPLIED AT TASK INSTALLATION OR BY *
*   USING THE 'PT3270' PROC (PATCH 3270 COMMUNICATIONS TASKS) *
*   LOCATED ON THE EMULATOR OBJECT INSTALLATION DISK, DNO3270. *
*   USE OF THE 'PT3270' PROC IS DESCRIBED IN THE 'DNOS 3270 *
*   EMULATOR OBJECT INSTALLATION DOCUMENT', *
*   (PART NO. 2302671-9701). *
*
*   NOTE: *
*   THIS PATCH STREAM SHOULD ONLY BE EXECUTED DURING THE TASK *
*   INSTALLATION PROCESS OR BY USING THE 'PT3270' PROC AS *
*   THIS PROC WILL ASSIGN ANY SYNONYMS REQUIRED FOR PROPER *
*   EXECUTION. *
*
*   NOTE: *
*   A 'CM' PROC (CREATE MESSAGE) MUST BE USED FOR THE ERROR COUNT *
*   MESSAGE AT THE END OF THIS PATCH FILE SINCE THIS PATCH FILE *
*   IS NESTED IN ANOTHER BATCH STREAM AND/OR PROCEDURE. *
*-----*
*   THE FOLLOWING SYNONYMS ARE OR MUST BE ASSIGNED BEFORE RUNNING *
*   THIS BATCH STREAM *
*
*   $$DSC$ - THE COMM PROGRAM FILE DISK NAME *
*   $CMDS  - THE MAJOR COMMANDS DIRECTORY AND THE HISTORY COMMANDS *
*   CMDLIB - THE COMMANDS DIRECTORY TO BE MODIFIED BY .PROC PATCHES *
*   $CLST  - THE DIRECTORY NAME WHERE THE LINK MAPS RESIDE *
*-----*
*   *** SPECIAL PROCESSING *** *
*   IF THIS FILE IS NOT CURRENTLY ON THE INSTALLATION MEDIA *
*   COPY THIS FILE USING 'CC'(COPY/CONCATENATE) REPLACING *
*   THE CURRENT FILENAME 'DNO3270.PAT.TSK3270' *
*-----*

```

3.9 DNOS RTS COMMUNICATIONS 1.1.0 PATCHES

The patch files for the DNOS RTS patches are ".DNRTSOBJ.DNPPTS", ".DNRTSOBJ.DNPPTS", ".DNRTSOBJ.DNTPPTS". The following instructions can be used for applying the patches to DNOS RTS communications patches:

```
*-----*
* *** PATCH FILE DNOS 1.2.0 DNPPTS 1.1.0 LAST UPDATE 02/08/84*
*-----*
```

* INSTRUCTIONS:

```
*
* PATCH STREAM "DNPPTS" CONTAINS PATCHES FOR THE DNOS RTS BUILD
* PROCEDURES. THIS PATCH STREAM SHOULD ONLY BE EXECUTED BY USING
* THE "ICC" SCI COMMAND, WHICH IS PART OF THE INITIAL PHASE OF THE
* DNOS RTS INSTALLATION PROCESS. THE PROCESS OF UPDATING DNOS RTS
* PATCH FILES IS DOCUMENTED IN "DNOS RTS OBJECT INSTALLATION" (PART
* NUMBER 2302673-9701 *A), SECTION 7. THE DNOS RTS INSTALLATION
* PROCESS AND USE OF THE "ICC" COMMAND ARE IN THE SAME DOCUMENT,
* SECTION 3.
```

```
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED BY THE "ICC" PROCESS:
```

```
*     $CVN - RTS OBJECT INSTALLATION VOLUME OR DIRECTORY NAME
*-----*
```

```
*-----*
* *** PATCH FILE DNOS 1.2.0 DNPPTS 1.1.0 LAST UPDATE 02/08/84*
*-----*
```

* INSTRUCTIONS:

```
*
* PATCH STREAM "DNPPTS" CONTAINS PATCHES FOR THE DNOS RTS 1.1 DSR
* OVERLAY "DSRPTS." THIS PATCH STREAM SHOULD ONLY BE EXECUTED BY
* USING THE "PGS" SCI COMMAND. THE PROCESS OF UPDATING DNOS RTS
* PATCH FILES AND USE OF THE "PGS" COMMAND ARE DOCUMENTED IN "DNOS
* RTS OBJECT INSTALLATION" (PART NUMBER 2302673-9701 *A), SECTION 7.
```

```
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED BY THE "PGS" PROCESS:
```

```
*     $OT - TARGET SYSTEM DISK/VOLUME NAME
*     $CSNAM - SYSTEM NAME OF TARGET DNOS SYSTEM TO BE PATCHED
*     $CMDS - ".S$CMDS,.$SSSYSTEM.$S$CMDS"
*-----*
```

```
*-----*
*   *** PATCH FILE   DNOS 1.2.0   DNTPRTS 1.1.0       LAST UPDATE 12/07/83*
*-----*
* INSTRUCTIONS:
*
* PATCH STREAM "DNTPRTS" CONTAINS PATCHES FOR DNOS RTS TASKS AND
* UTILITIES. THIS PATCH STREAM SHOULD ONLY BE EXECUTED AS PART OF
* THE RTS TASK INSTALLATION PROCESS OR BY USING THE "PRU" SCI
* COMMAND. THE PROCESS OF UPDATING DNOS RTS PATCH FILES AND USE OF
* "PRU" COMMAND ARE DOCUMENTED IN "DNOS RTS OBJECT INSTALLATION"
* (PART NUMBER 2302673-9701 *A), SECTION 7. THE DNOS RTS TASK
* INSTALLATION PROCESS IS IN THE SAME DOCUMENT, SECTION 3.
*
* THE FOLLOWING SYNONYMS ARE USED BY THIS PATCH STREAM AND ARE
* ASSIGNED DURING DNOS RTS TASK INSTALLATION OR BY THE "PRU" PROCESS:
*
*   $OT      - TARGET SYSTEM DISK/VOLUME NAME
*   $CLST    - LISTING DIRECTORY NAME
*   $CMDS    - ".S$CMDS,.S$SYSTEM.S$$CMDS"
*-----*
```

3.10 DNOS FORTRAN-78 1.3.0 PATCHES

The patch file for the DNOS FORTRAN-78 patches is ".FORT78". This patch file may be applied using Execute Batch (XB) command. The following instructions can be used for applying the patches to DNOS FORTRAN-78:

The value for "\$CMDS" is usually ".S\$CMDS,.S\$\$SYSTEM.S\$\$CMDS" for the major commands directory and the history commands.

```
*-----*
* *** PATCH FILE  DNOS FORTRAN-78 1.3.0      LAST UPDATE 12/14/83      *
*-----*
*      INSTRUCTIONS:
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYMS BEFORE RUNNING THIS
* BATCH STREAM:
*
* VOLBLD  - THE VOLUME NAME OF THE DISK CONTAINING THE PROGRAM FILE
*          S$LANG.
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYMS IF YOU HAVE MOVED SCI
* COMMAND PROCEDURES INTO COMMAND DIRECTORIES OTHER THAN THOSE
* SUPPLIED WITH YOUR SOFTWARE:
*
* $CMDS   - THE MAJOR COMMANDS DIRECTORY(IES) AND THE HISTORY COMMANDS
* CMDLIB  - THE COMMAND DIRECTORY CONTAINING THE XF78 AND XF78F
*          COMMANDS.
*-----*
```

3.11 DNOS QUERY-990 1.4.0 PATCHES

The patches for DNOS QUERY-990 are located in the file ".QUERY". The Execute Batch (XB) command may be used to execute the patch file to apply the DNOS QUERY-990 patches. The following instructions may be used to apply the patches:

```
*-----*
*   *** PATCH FILE           DNOS QUERY-990 1.4.0           LAST UPDATE 01/19/84
*-----*
* YOU MUST ASSIGN THE FOLLOWING SYNONYMS BEFORE YOU RUN THIS BATCH
* STREAM:
*
* VOLBLD - VOLUME NAME OF THE DISK WHERE THE QUERY-990 PACKAGE IS
*         INSTALLED
*
* CMDLIB - DIRECTORY WHICH CONTAINS THE QUERY PROC TO BE MODIFIED.
*
* $CMDS  - MAJOR COMMANDS DIRECTORY AND HISTORY COMMANDS DIRECTORY
*         (THE STANDARD FOR DNOS IS ".S$CMDS,.S$SYSTEM.S$CMDS")
*-----*
```

3.13 DNOS TIPE 2.1.0 PATCHES

The patch file for the DNOS TIPE 2.1.0 patches is ".TIPE". The patch file may be executed using the Execute Batch (XB) command. The following instructions may be used to apply the DNOS TIPE 2.1.0 patches:

The value for "\$CMDS" is usually ".S\$CMDS,.S\$SYSTEM.S\$CMDS" for the major commands directory and the history commands.

```

*-----*
* *** PATCH FILE  DNOS 1.2.0 TIPE 2.1.0          LAST UPDATE 02/14/84
*-----*
*      INSTRUCTIONS:
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYM BEFORE RUNNING THIS
* BATCH STREAM:
*
* VOLBLD - VOLUME NAME OF THE DISK WHERE THE TIPE PACKAGE IS
*         INSTALLED
*
* YOU MUST ASSIGN THE FOLLOWING SYNONYMS IF YOU HAVE MOVED SCI
* COMMAND PROCEDURES INTO COMMAND DIRECTORIES OTHER THAN THOSE
* SUPPLIED WITH YOUR SOFTWARE:
*
* $CMDS  - THE MAJOR COMMANDS DIRECTORY(IES) AND THE HISTORY COMMANDS
* CMDLIB - COMMAND DIRECTORY TO BE MODIFIED BY .PROC PATCHES
*-----*

```