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RELEASE INFORMATION, DX10 3270 INTERACTIVE COMMUNICATIONS SOFTWARE (ICS), RELEASE 2.0.0-990

TEXAS INSTRUMENTS INCORPORATED DIGITAL SYSTEMS	drawing number 2250945-9901		
	REV. C	SHEET 1 OF 59	

SECTION 1

General Information

1.1 Four Channel Communications Controller considerations

Users who are running 3270 ICS and some other comm package on the same Four Channel Communications Controller (FCCC) will want to use channel 0 of the the FCCC for 3270. This provides somewhat better system performance than the other combinations.

FCCC's used for 3270 must be revision level 'P' or later. Earlier revision levels will cause the Communications Download utility to report 'OS error >26'. Error 26 can also occur if repeated downloads are attempted, as may error 29 (out of memory).

When using the same FCCC for 3270 ICS and HDLC, there are no special considerations involved in the way that the HDLC and ICS download control files are to be constructed.

1.2 Undocumented error messages

The following two error messages are not documented in the ICS user's guide:

1. INVALID LOCAL FORMAT - this message is produced by the ICS printer emulator (XICP) when invalid data is found in the local format file. When this message is found in the system log, the proper corrective action is the perform List Logical Record (LLR) of the local format file and then delete the file. The pathname of the local format file the affected printer will be '.S$ICS.xxxxTMyy' where xxxx=the communications line name (like CM01) and yy is the terminal address (0-31) of the printer. The LLR listing should be sent to the

TI customer support line for analysis.

2. NO TASK MEMORY FOUND AT XXXX - this message is produced by the XPA proc when XPA is attempted after a new operating system has been generated but GENXPA has not been rerun. The proper corrective action is to rerun GENXPA.

1.3 Pascal Link Control file for PSC

In order to link a Pascal program with the PSC subroutines, one of the two following methods may be used:

With automatic symbol resolution:

```
FORMAT IMAGE,REPLACE,3                  ;PRIORITY MUST MATCH ICSPSC
LIBRARY .TIP.OBJ                        ;TIP OBJECT MUST BE FIRST
LIBRARY DX03270.OBJ                     ;DX03270 MUST BE LAST
TASK IPSC                               ;USER'S TASK NAME
INCLUDE (MAIN     )                     ;TIP MODULE
INCLUDE TIMIX.IPSC.IPSCOBJ              ;USER'S OBJECT MODULE
END
```

Without automatic symbol resolution:

```
FORMAT IMAGE,REPLACE,3
LIBRARY .TIP.OBJ
TASK IPSC
INCL (MAIN   )
INCL TIMIX.IPSC.IPSCOBJ                 ;USER'S OBJECT MODULE
INCL DX03270.OBJ.IFSOPN                 ;FORTRAN/Pascal INTERFACE
INCL DX03270.OBJ.IC$OPN                 ;PRE-LINKED PSC SUBROUTINES
END
```

1.4 COBOL Link Control file for PSC

In order to link a COBOL program with the PSC subroutines, one of the two following methods may be used:

With automatic symbol resolution:

```
FORMAT IMAGE,REPLACE,3                  ;PRIORITY 3
LIBRARY DX03270.OBJ                     ;ICS LIBRARY
PROC COBOLRTM
```

```
INCLUDE .S$SYSLIB.RCBPRC                ;COBOL INTERPRETER
TASK TNEWS
INCLUDE .S$SYSLIB.RCBTSK                ;COBOL
INCLUDE .S$SYSLIB.RCBMPD                ;COBOL
LIBRARY .S$SYSLIB.C$SUBS
INCLUDE USERDISK.USER.OBJ.PROGRAM       ;USER'S OBJECT MODULE
END
```

Without automatic symbol resolution:

```
FORMAT IMAGE,REPLACE,3

PROC COBOLRTM
INCL .S$SYSLIB.RCBPRC                   ;COBOL INTERPRETER

TASK  TNEWS
INCL .S$SYSLIB.RCBTSK
INCL .S$SYSLIB.RCBMPD
LIBRARY .S$SYSLIB.C$SUBS
INCL USERDISK.USER.OBJ.PROGRAM          ;USER'S OBJECT MODULE
INCL DX03270.OBJ.IC$OPN                 ;PRELINKED PSC SUBROUTINES
END
```

1.5 Error >3B in BET

The Build Emulator Task command (BET) will occasionally encounter error >3B in the Copy Directory (CD) command executed in the TSKOI327 batch stream. This indicates that another user on the DX10 system was accessing one of the ICS procs that is replaced by this command. In this case, it will be necessary to re-run BET or to manually perform the CD operation using the parameters specified in the TSKOI327 batch. This is not likely to occur when 3270 ICS release 2.0 is being installed on a disk for the first time.

1.6 Listing directory

The listing directory used during ICS installation and patching must have at least five available entries. System

directories, such as DXCMO and .S$SYSGEN, are not recommended choices for the listing directory. The 'ICC' proc will create a listing directory if the prompt 'PATCH PROCEDURES?' is answered 'yes'. Otherwise, the user must create a listing directory using the 'CFDIR' command.

1.7 Modification to ICS (XICP) and (XICC) timeouts

The ICS printer task is installed with a variable timeout which is used when the printer emulator task is unable to write to the OUTPUT PATHNAME prompt value in the XICP command procedure. The default value for timeout of printer devices assigned during DX10 system generation is 30 seconds. ICS uses the sysgen'ed value together with the value of the last (ninth) parameter of the PARMS list in the XICP command procedure as a retry count. The installed value is 3 for this parameter. If the DX10 device timeout for a given printer is 30 seconds and the last (ninth) parameter has a value of 3 then the ICS printer device timeout is 30 minutes which can be computed as follows:

30 seconds X 3 (parm 9) X 20 (constant) = 1800 sec (or 30 min)

After the timeout expires the ICS printer emulator will write the current page to the local format file, if installed, write a message to the system log, then terminate. The printer may become inoperable because of out-of-paper or off-line conditions. Once the printer becomes operational the page that was saved on the local format file can be printed by activating the ICS printer emulator at the device address reserved for the printer that was previously terminated. If ICS has not been installed with local format then the current page will be lost. To change the timeout value, text edit the XICP command procedure and enter the desired value in the last(ninth) parameter of the PARMS list.

There is also a timeout value used by the ICS controller task (XICC), measured in 50 millisecond intervals, which is the delay between checking for read completions(new data) from the communications line. The installed value is 40, 40 x 50 milliseconds = 2 seconds. To change the timeout value, text edit the XICC command procedure and enter the desired value in the last(ninth) parameter of the PARMS list.

1.8 Download ICS 3270 Bisync Character Detect

All releases of the FCCC and BCAIM communication interface boards require downloading of the 3270 bisync character detect routines. This step should be performed during system IPL in the IS command procedure as documented in the DX10 ICS REL 2.0 USERS GUIDE, part# 2250954-9701 and DX10 ICS REL 2.0 OBJECT INSTALLATION GUIDE, part # 2250942-9701*B.

1.9 Operating System Requirements

Systems containing 3270 ICS Rel 2.0 must be generated on and run under a DX10 OS Rel 3.4.2 or later system that has been updated from the delta disk, not a 3.4.1 that has had 3.4.2 patches added. The delta disk contains a new version of of the XGEN processor, 'GN990A', and a new version of the 911 DSR, 'DSR911A', that are necessary for ICS 2.0 operation. DX10 3.5 will not require the 'P342GEN' proc to be run.

If 3780 is installed on the same FCCC as 3270 ICS, it must be Rel 4.0.1 or later.

1.10 GEN990 Problems

If an input system is specified during system generation (XGEN), and that system was used in conjunction with release 1.1 of 3270 ICS, it is necessary to delete and then add the communications devices to the configuration. This is accomplished by the 'change' command within the XGEN processor, with 'delete' specified after the 'change' is performed. If the old communications devices are not deleted, the new system will

halt with crash code >20 as soon as an ICS command, such as 'XICC', is performed. This is because the device buffer size in the 3270 PDT will have a length of zero. It may be desirable to check the device buffer size in the 3270 PDT after performing 'XGEN' and before proceeding with 'BCD' during ICS installation. This is accomplished by looking at the file named .S$SYSGEN.<system name>.D$SOURCE, locating the PDT for the 3270 comm device (named CMxx where xx is a number), and finding the line that is commented 'LENGTH OF DEVICE BUFFER'. The correct value is 'DATA >130'.

1.11 Internal Modems

If the TI internal modem 201C, 990 Synchronous modem, part #946120-0001, is used with ICS,then it must be ECN'ed to revision H.

1.12 MICA- Modify Interactive Communications Address

This ICS command procedure is used in conjunction with the ICS XPA(Execute ICS 3270 Poll Analyzer) command procedure to disable or enable address detect on the communications interface boards. Normal operation is to not disable(enable) address detect. This will permit the downloaded character detect to pass only the polls and data related only to its controller address to the 990 CPU and ignore messages for other poll addresses. MICA alone is not very useful but with XPA it can permit the operator to see the polls for all control unit addresses on a multidrop line.

1.13 Modifications to ICS System Log Messages

There exist source modules that contain the text for the system log messages written by various ICS tasks. The user may wish to change the text of the message to suit his installation requirements. However, the ICS tasks that reference these modules are dependent on the positions of the variant information, ususally self evident by inspection of the message. Consequently, there is little room for changing the text of the message. However, the messages can be changed by observing some of the following rules:

1. Variant information cannot be rearranged (in fact, variant information must appear in the exact character positions in the message text).

2. Messages cannot be added or deleted.

3. Message lengths are fixed.

4. The order in which messages appear in the source file must remain the same. Most messages are shorter than one line which is evident by the blanks padded at the end. This may be an area for editing, as well as the text already displayed.

The module are located on the emulator object media (DX03270) under the directory .SRC

file names are :	CTLMSG	(XICC system log messages)
	PRTMSG	(XICP system log messages)
	PSCMSG	(XPSC system log messages)

To make changes perform the following steps:

1. Install the ICS emulator object medium (DX03270).

2. Text edit the appropriate file with desired changes.

3. Execute the 990 Assembler using the text edited file as as the ''Source Access Name', DX03270.OBJ.<message file name> as the 'Object Access Name', and assign the 'Listing Access Name' to a pathname of your choice.

4. If there are no errors in the assembly process, repeat

steps 1 thru 3 for any other modules which require changes.

5. Reinstall the ICS tasks by following the procedures in the DX10 ICS Rel 2.0 Object Installation Guide, TI part# 2250942-9701*B.

Before executing step 5 be sure that no one is running ICS at any station(execute ICS LICC command procedure to be sure that all stations are in an 'idle' or 'disabled' state. Then make the ICS controller task 'inactive' by executing KT (Kill Task) on the task with the runid of the controller task.

1.14 Modifications to ICS Terminal Messages

There exist source modules that contain the text for ICS messages that are written to the operators terminal that can be changed to meet the requirements of a particular installation. These modules are located on the ICS object installation media (DX03270) under the .SRC directory. The modules of interest to the user are:

MM$I30	(XICC,XICP,XPSC,MCUA terminal messages)
MM$I31	(LICC terminal messages)
MM$I32	(MICC terminal messages)
MM$I33	(XICT terminal messages)
MM$I34	(LICS terminal messages)
MM$I35	(QICT terminal messages)
MM$I36	(MICA terminal messages)

No messages can be added or removed from the message files, but the content of the text can be rearranged, lengthened, or shortened by observing the following restrictions. The user will observe by inspecting these files that there are several statements that begin with MSGENT or MSG and TEXT which identify each message. It is important that the messages remain in the order they originally appear. The text follows the MSGENT or MSG, and TEXT combinations is the message text that is written to the operators terminal. Within this text may be one or more variants identified by ?n, where n, an integer, represents a

certain variant. It is in this position of the message that the actual value of the variant is substituted by a subroutine included in the ICS task. Messages can be altered to suit the users requirements by text editing these lines, reassembling the modules, and relinstalling the ICS tasks using the same instructions described under MODIFICATIONS TO ICS SYSTEM LOG MESSAGES.

Example of change to message in MM$I32:

```
Original Message:   '*MICC- ERROR ?1 IN ACCESS TO PARAMETER ?2'
Displayed as:       '*MICC- ERROR 901B IN ACCESS TO PARAMETER 5'

New Message:        '*MICC- PARMS # ?2, SCI ERROR: ?1'
Displayed as:       '*MICC- PARMS # 5, SCI ERROR: 901B'
```

The same variant information associated with ?1 and ?2 in the original message will appear in the new message but in a different order and with different textual information.

1.15 Additional Log Message Hard Coded in PSTART ICS Task

There is a message which will be written to the system log if PSTART ICS task receives an error in an attempt to either activate the PSC user task or write to the DX10 ITC channel because the ITC channel queue area was full. The message displays as follows:

*XPSC- ERROR XXYY DURING ICS ACTIVATION

where XX is an SVC opcode and YY is the error code.

1.16 Modification to M$01 Command

It may be desirable to add the QICT command to the M$01 proc on the .S$PROC directory to release any ICS terminal addresses that are in the suspended state when the SCI logoff is done. This can be done by text editing .S$PROC.M$01 to include the following lines:

```
.IF @$$MO, EQ, OF
    QICT COMM=CMO1
.ENDIF
```

SECTION 2

Outstanding Problems and Patches

2.1 Outstanding Problems

Patches are available from the Customer Support Line for the following problems in the 2.0.0 release of 3270 ICS:

1. Patch 1593, STR 11292; If the controller task terminates abnormally because during initialization the ITC read retry count was exhausted, the controller task attempts to make its status inactive. However, the pointer to its line descriptor block is not known until a successful ITC read from 'ICSSTA'. This patch no-ops the attempt to reset its line status inactive. 'ICSSTA' will reset its line status when a put ITC to 'ICSCTL' fails.

2. Patch 1595, STR 11291; If the operator does not enter a comm device for 'XPSC' or 'XICP' and no ICS controller tasks have been activated then an incomplete error message (no comm device) is displayed. (i.e. '*XICP-____ has not been activated by "XICC"'). In place of blanks display the last (possibly only) comm device in ICS configuration with message. (e.g. '*XICP- CM02 has not been activated by "XICC"').

3. Patch 1596, STR 11290; If the operator enters a terminal address value that belongs to a crt type terminal but entered 'PRT' to terminal type prompt in the 'XPSC' procedure ICS fails to display an error for this inconsistency and proceeds to bid up the ICS emulator using the terminal address value (ignoring the value entered for terminal type). The corresponding problem occurs when a terminal address value that belongs to a PRT type terminal is entered and 'CRT' type is entered for terminal type prompt. This patch will report an error when this inconsistency occurs rather than accept the terminal address value.

4. Patch 1597, STR 11293; In the 'XPSC' procedure if the operator auto selects either a 'CRT' or 'PRT' type device and all of the selected type devices are in use then ICS should display a more meaningful error msg.

5. Patch 1598, STR 11306; On abnormal termination, ICSPSC puts an extra message on the ITC queue. It shouldn't do that.

6. Patch 1599, STR 11308; The printer task writes error messages to the system log from the Rifle runtime in addition to its own. The Rifle messages are redundant.

7. Patch 1622, STR 11126, (Erroneously numbered Patch 1563 on released disk); PSC attempts to write termination messages to the ITC queue when it has not successfully connected to a user.

8. Patch 1623, STR 11125, (Erroneously numbered Patch 1564 on released disk); PSC should abend instead of logging the error condition if task initialization failed. ICSSTA should write the log message in this case.

9. Patch 1624, STR 11124, (Erroneously numbered Patch 1565 on released disk); PSC should retry the initial getdata 5 times before giving up.

10. Patch 1625, STR 11220; The printer task should open-extend relative record as well as sequential files.

11. Patch 1626, STR 11302; The print key logic in the CRT task should output a form feed at the beginning of each screen and no form feed at the end.

12. Patch 1627, STR 11304; PSC should send intervention required instead of device busy when terminating and no local format was specified for printer emulation.

13. Patch 1646, STR 11417; PSC sometimes logs an error message that indicates that data was written over by the host when it was not.

2.2 GEN990 Patches

```
*********************************************************************
*    PATCH DX10 3.4.2 GEN990 FOR DX10 ICS 3270 REL 2.0 INSTALLATION
*
*    TITLE:            'P342GEN'
*
*    ABSTRACT:         THIS BATCH STREAM CAN BE CALLED FROM PROC
*                      'P342GEN' ON THE DX03270.PRC DIRECTORY
*                      THESE PATCHES MUST BE APPLIED BEFORE XGEN
*                      PROCESS WHEN INCLUDING DX10 ICS 3270 2.0
*
*********************************************************************
BATCH LS=YES
*********************************************************************
*    RL     08/31/81     GENDAT
*
*    THESE PATCHES MUST BE APPLIED WHEN INSTALLING DX10 ICS REL 2.0
*    ON DX10 OS REL 3.4.2 AND LATER.
*********************************************************************
MPI PF=@PROGA,MT=TA,MN=>33,ADDR=>1604,
  V=>0000,D=>0001,C=>0001
EC
MPI PF=@PROGA,MT=OV,MN=>06,ADDR=>296E,
  V=>1620,D=>1621,C=>1621
EC
MPI PF=@PROGA,MT=OV,MN=>06,ADDR=>2982,
  V=>1616,D=>1617,C=>1617
EC
*$
*********************************************************************
*=P1550  RVL  12/17/81  STR #11055  3.4.3  GEN99A
*
*    WHEN A 3270 COMM DEVICE (REL 2.0) IS DEFINED, A L-ALL COMMAND
*    CAUSES ITS BUFFER SIXE TO BE CLEARED TO ZERO IN THE CONFIG FILE.
*    THIS CAUSES A CRASH >20 WHEN AN ATTEMPT IS MADE TO USE THE 3270.
*
*********************************************************************
MPI PF=@PROGA,MT=OV,MN=>05,ADDR=>4EFE+>10B2,
  V=(>04E0,>5DDA),D=(>1000,>1000),C=0
EC
MPI PF=@PROGA,MT=OV,MN=>05,ADDR=>4EFE+>10BA,
  V=>1610,D=>1615,C=>1615
EC
*
*$
*
*********************************************************************
*  ADD NEW PATCHES HERE
*********************************************************************
CM MSG="P342GEN PATCH STREAM ERROR COUNT = @$E$C"
EBATCH
```

2.3 Task Patches

The following contains all known patches for the 3270 ICS tasks as of February 15, 1982:

```
*********************************************************************
*  THIS PATCH FILE PATCHES ALL 3270 ICS REL 2.0 ICS TASKS
*  THE FOLLOWING SYNONYMS MUST BE DEFINED PRIOR TO APPLYING THESE PATCHES
*       $CPGF =  <TARGET DISK>.S$COMMPF
*       $CLST =  LISTING DIRECTORY
*  THE LINKMAP IS ASSUMED TO BE UNDER <LSTVOL>.LST.TSKMAP.
*  IF IT IS NOT THERE, EDIT THIS FILE SO THAT 'PSCCOD' IS THE LOAD POINT
*  OF MODULE 'PSCCOD' AND EXECUTE AS A BATCH STREAM.
*********************************************************************
BATCH LS=YES
#SYN ICS,PSCCOD     ! EDIT THIS LINE IF NO LINKMAP
.SYN ICS=""
.IF @$CPGF, EQ, ""
   .SYN $CPGF=.S$COMMPF
.ENDIF
.EVAL PATCH=@PSCCOD
*********************************************************************
*
*=Pnnnn   INT   MM/DD/YY   STR #mmmmm   v.r.e   filename
*
*  up to ten lines of description of the patch (each line of the form
*  shown here - star, two blanks, then words)
*
*MPI PF=PROGA,MT=tt,MN=modnam,ADR=>0000,
*      V=(>     ,>     ,>     ,>     ),
*      D=(>     ,>     ,>     ,>     ),C=>
*EC
*$
*********************************************************************
*
*=P01556    RTB   12/04/81   STR #011085    DX10 3270 ICS 2.0 PSCCOD
*
*  THIS PATCH PREVENTS RVI RECEIVED FROM BEING REPORTED TO THE PSC
*  USER PROGRAM AFTER A TRANSMIT CALL
*                                          (NO PATCH AREA USED)
*********************************************************************
.EVAL COMWRT=@PSCCOD+>4D56
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>0076,
  V=>C2A0,D=>04DA,C=>04DA
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>0078,
  V=@COMWRT,D=>1000,C=>1000
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00A4,
  V=>C2A0,D=>04EC,C=>04EC
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00A6,
  V=@COMWRT,D=>0026,C=>0026
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00AA,
  V=>0001,D=>0004,C=>0004
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00AC,
  V=(>0989,>CB09,>0026,>C22A),
  D=(>0A29,>1715,>CB1A,>0026),
  C=>D600
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00B4,
  V=(>0004,>0A28),
  D=(>04DA,>1001),
  C=>14DB
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00DE,
  V=>C2A0,D=>04DA,C=>04DA
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>08E8+>00E0,
  V=@COMWRT,D=>1000,C=>1000
EC
.SYN COMWRT=""
*$
*******************************************************************************
*
*=P01557 RTB  12/10/81  STR #011086  DX10 3270 ICS 2.0 CRTCOD
*
*  THIS PATCH CLEARS THE ERROR CODES IN BOTH PRBS AND WAITS FOR
*  PENDING TRANSMITS ON THE FIRST WRITE.
*                                    CRTCOD PATCH AREA(>0000 - >0024)
*******************************************************************************
.EVAL COMWRT=@PSCCOD+>67BC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD,
  V=(>0000,>0000,>0000,>0000),
  D=(>EA48,>0004,>C208,>130D),
  C=>3B49
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0008,
  V=(>0000,>0000,>0000,>0000),
  D=(>04D9,>D229,>0004,>1304),
  C=>C5F0
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0010,
  V=(>0000,>0000),
  D=(>1503,>2FE0),
  C=>3AE3
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0014,
  V=>0000,D=@PSCCOD+>7556,C=@PSCCOD+>7556
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0016,
  V=(>0000,>0000,>0000,>0000),
  D=(>10F9,>C269,>0018,>8809),
  C=>5A81
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>001E,
  V=>0000,D=@COMWRT,C=@COMWRT
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0020,
  V=(>0000,>0000),
  D=(>16F3,>0460),
  C=>1293
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0024,
  V=>0000,D=@PSCCOD+>0814+>0080,C=@PSCCOD+>0814+>0080
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0814+>007C,
  V=>EA48,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>0814+>007E,
  V=>0004,D=@PSCCOD,C=@PSCCOD
EC
.SYN COMWRT=""
*$
*******************************************************************************
*
*=P01558   ERM  12/04/81  STR #011087 DX10 3270 ICS 2.0 CTLCOD
*
*       DO NOT SEND 'DEVICE END' STATUS TO HOST FOR A DISABLED STATION
*       #SYN ICS,PSCCOD
*       .EVAL UPDDSR= @PSCCOD + >0C14
*                                          CTLCOD PATCH (>0000 - >0012)
*******************************************************************************
.EVAL UPDDSR=@PSCCOD+>0C14
*
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>0082,
  V=>C2A0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>0084,
  V=@PSCCOD+>26A2,D=@PSCCOD,C=@PSCCOD
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0000,
  V=(>0000,>0000,>0000),
  D=(>C28A,>1604,>C2A0),
  C=>162E
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0006,
  V=>0000,D=@PSCCOD+>26A2,C=@PSCCOD+>26A2
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0008,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>000A,
  V=>0000,D=@UPDDSR+>0086,C=@UPDDSR+>0086
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>000C,
  V=(>0000,>0000,>0000),
  D=(>44ED,>0012,>0460),
  C=>409F
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0012,
  V=>0000,D=@UPDDSR+>009E,C=@UPDDSR+>009E
EC
*$
*****************************************************************************
*
*=P01559   LTY  12/07/81  STR #011088  DX10 3270 ICS 2.0 PSCCOD
*
*  THIS PATCH WILL NOT RETURN AN ERROR TO USER IF USER REQUEST TO
*  RETRIEVE ATTRIBUTES FOR FIELD 1 FROM AN UNFORMATED SCREEN,
*  UNLESS THE FIELD NUMBER REQUEST WAS >1.
*      .EVAL USRATR= @PSCCOD + >1CE2
*                                    PSCCOD PATCH (>0000 - >0016)
*****************************************************************************
.EVAL USRATR=@PSCCOD+>1CE2
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>003A,
  V=>8B6A,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>003C,
  V=>0002,D=@PATCH,C=@PATCH
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH,
  V=(>0000,>0000,>0000,>0000),
  D=(>8B6A,>0002,>000E,>1106),
  C=>9A60
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0008,
  V=(>0000,>0000,>0000,>0000),
  D=(>C294,>028A,>0001,>1302),
  C=>D31D
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0010,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0012,
  V=>0000,D=@USRATR+>0042,C=@USRATR+>0042
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0014,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0016,
  V=>0000,D=@USRATR+>004C,C=@USRATR+>004C
EC
*$
*******************************************************************************
*
*=P01560   LTY  12/07/81  STR #011089  DX10 3270 ICS 2.0 PSCCOD
*
*  THIS PATCH WILL REJECT THE FIELD NUMBER REQUEST WHICH IS GREATER THAN
*  THE MAXIMUM FIELD CURRENT SCREEN IMAGES HAVE.
*       .EVAL USRATR= @PATCH + >1CE2
*                                        PSCCOD PATCH (>0018 - >0034)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>0052,
  V=>C054,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>0054,
  V=>1005,D=@PATCH+>0018,C=@PATCH+>0018
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0018,
  V=(>0000,>0000),
  D=(>C054,>C160),
  C=>0134
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>001C,
  V=>0000,D=@PSCCOD+>4E8E,C=@PSCCOD+>4E8E
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>001E,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0020,
  V=>0000,D=@USRATR+>0060,C=@USRATR+>0060
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>005A,
  V=>C82A,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>005C,
  V=>0008,D=@PATCH+>0022,C=@PATCH+>0022
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0022,
  V=(>0000,>0000),
  D=(>C82A,>0008),
  C=>C822
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0026,
  V=>0000,D=@PSCCOD+>4E8E,C=@PSCCOD+>4E8E
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0028,
  V=>0000,D=>8160,C=>8160
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>002A,
  V=>0000,D=@PSCCOD+>4E8E,C=@PSCCOD+>4E8E
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>002C,
  V=(>0000,>0000),
  D=(>1602,>0460),
  C=>1262
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0030,
  V=>0000,D=@USRATR+>0042,C=@USRATR+>0042
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0032,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0034,
  V=>0000,D=@USRATR+>0060,C=@USRATR+>0060
EC
*$
*******************************************************************************
*
*=P01561   LTY  12/07/81  STR #011090   DX10 3270 ICS 2.0 PSTART
*
*  THIS PATCH WILL MAKE PSTART TO SET THE RIGHT FLAG TO INDICATE THE
*  CONTROLLER ADDRESS IS 'CM__' TYPE REPRESENTATION.
*                                              (NO PATCH AREA USED)
*******************************************************************************
.EVAL PSTRT=@PSCCOD
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSTRT+>0230,
  V=>0010,D=>0100,C=>0100
EC
*$
*******************************************************************************
*
*=P01562  LTY  12/07/81  STR #011092  DX10 3270 ICS 2.0 PSCCOD
*
*  THIS PATCH WILL RETURN AN ERROR CODE BACK TO USER WHEN USER REQUEST
*  RETRIEVE ATTRIBUTES AND THERE IS NO NEW DATA AVAILABLE.
*                                     PSCCOD PATCH (>0036 - >004E)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>001C,
  V=>0203,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@USRATR+>001E,
  V=@PSCCOD+>5D3E,D=@PATCH+>0036,C=@PATCH+>0036
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0036,
```

```
   V=>0000,D=>C0E0,C=>C0E0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0038,
   V=>0000,D=@PSCCOD+>4D66,C=@PSCCOD+>4D66
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>003A,
   V=(>0000,>0000,>0000,>0000),
   D=(>1606,>0203,>000D,>C803),
   C=>DC0B
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0042,
   V=>0000,D=@PSCCOD+>5D3A,C=@PSCCOD+>5D3A
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0044,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0046,
   V=>0000,D=@USRATR+>0184,C=@USRATR+>0184
*EC    THIS WORD SHOULD BE @USRATR+>170, FIX IS AT THE END OF THIS PATCH
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0048,
   V=>0000,D=>0203,C=>0203
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>004A,
   V=>0000,D=@PSCCOD+>5D3E,C=@PSCCOD+>5D3E
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>004C,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>004E,
   V=>0000,D=@USRATR+>0020,C=@USRATR+>0020
EC
*  FIX *
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0046,
   V=@USRATR+>0184,D=@USRATR+>0170,C=@USRATR+>0170
EC
*$
*******************************************************************************
*
*=P01563   LTY  12/09/81  STR #011093  DX10 3270 ICS 2.0 PSCCOD
*
*  THIS PATCH NO-OPS A ZERO WRITE IN PSC ENDACTION THAT CAUSES CRASH 20
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>024A+>00B4,
   V=>C2A0,D=>1002,C=>1002
EC
*$
*
*******************************************************************************
*
*=P01564   LTY  12/09/81  STR #011094  DX10 3270 ICS 2.0 PSCCOD
```

```
*
*  THIS PATCH WILL REPORT AN ERROR TO THE USER IF USER SPECIFIED POSITION
*  WITHIN USRGET OR USRFILL IS <=0.
*                                              PSCCOD PATCH(>0050 - >0060)
*********************************************************************************
.EVAL UFG=@PSCCOD+>1F5A
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@UFG+>00D8,
  V=>8194,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@UFG+>00DA,
  V=>1106,D=@PATCH+>0050,D=@PATCH+>0050
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0050,
  V=(>0000,>0000,>0000,>0000),
  D=(>C514,>1305,>1104,>8194),
  C=>4681
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0058,
  V=(>0000,>0000),
  D=(>1502,>0460),
  C=>1162
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>005C,
  V=>0000,D=@UFG+>00E8,C=@UFG+>00E8
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>005E,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADDR=@PATCH+>0060,
  V=>0000,D=@UFG+>00DE,C=@UFG+>00DE
EC
*$
*********************************************************************************
*=P01565  ERM   12/08/81    STR#011095  DX10 3270 ICS 2.0  ICSCTL
*
*   THIS PATCH WILL CAUSE A CLOSE TO LOCAL FORMAT FILE BEFORE RELEASE
*   LUNO IF ERROR DETECTED AFTER WRITE TO LOCAL FORMAT FILE.
*   .EVAL PSCCOD= @PSCCOD+>0000
*   .EVAL SAVEBU=@PSCCOD+>09F4
*   .EVAL LOG=@PSCCOD+>03F8            CTLCOD PATCH (>0014 - >002E)
*********************************************************************************
.EVAL SAVEBU = @PSCCOD+>09F4
.EVAL LOG = @PSCCOD+>03F8
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@SAVEBU+>0214,
  V=>069B,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@SAVEBU+>0216,
  V=@LOG,D=@PSCCOD+>0014,C=@PSCCOD+>0014
EC
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0014,
```

```
   V=>0000,D=>069B,C=>069B
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0016,
   V=>0000,D=@LOG,C=@LOG
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0018,
   V=(>0000,>0000),
   D=(>982D,>0035),
   C=>9818
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>001C,
   V=>0000,D=@PSCCOD+>2694,C=@PSCCOD+>2694
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>001E,
   V=(>0000,>0000,>0000),
   D=(>1306,>982D,>001F),
   C=>8B34
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0024,
   V=>0000,D=@PSCCOD+>2694,C=@PSCCOD+>2694
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0026,
   V=(>0000,>0000),
   D=(>1302,>0460),
   C=>1762
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>002A,
   V=>0000,D=@SAVEBU+>01EC,C=@SAVEBU+>01EC
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>002C,
   V=>0000,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>002E,
   V=>0000,D=@SAVEBU+>0218,C=@SAVEBU+>0218
EC
*$
*******************************************************************************
*=P01566  ERM    12/15/81     STR#011096  DX10 3270 ICS 2.0  QICT
*
*    QICT WRITES THE WRONG ERROR MESSAGE IF AN INVALID TERMINAL ADDRESS
*    IS ENTERED.                          QCTCOD PATCH (>0000 - >0006)
*******************************************************************************
MPI  PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0000,
 V=(>0000,>0000,>0000),
 D=(>CFAD,>0012,>0460),
 C=>CBDF
EC
MPI  PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0006,
 V=>0000,D=@PSCCOD+>02A8+>013C,C=@PSCCOD+>02A8+>013C
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>02A8+>0110,
 V=>CF9D,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>02A8+>0112,
 V=>1014,D=@PSCCOD,C=@PSCCOD
EC
*$
*********************************************************************
*=P01567  ERM   12/17/81    STR#011097  DX10 3270 ICS 2.0  CTLCOD
*
*   ICSCTL SHOULD SEND 'INTERVENTION REQUIRED' FOR PRT WITH NO LOCAL
*   FORMAT OR DISABLED STATION ADDRESSES INSTEAD OF 'DEVICE BUSY'.
*********************************************************************
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0C14+>0012,
  V=(>0A00,>0800),
  D=(>0210,>0010),
  C=>0200
EC
MPI PF=@$CPGF,MT=TA,MN=ICSCTL,ADDR=@PSCCOD+>260A,
  V=>8A80,D=>8A90,C=>8A90
EC
*$
*********************************************************************
*=P01568   ERM    12/18/81   STR#011098  DX10 3270 ICS 2.0  PSTART
*
*     WHEN PSTART TERMINATES ABNORMALLY IT SHOULD RELEASE(FREE) THE
*     TERMINAL ADDRESS IT HAS MARKED AS PSC_ACTIVE.
*                          PSTART PATCH AREA STARTS AT PSTART+>0578
*                          PSTART PATCH (>0578 - >0598)
*********************************************************************
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>01FE,
  V=>D1A1,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0200,
  V=>0005,D=@PSCCOD+>057A,C=@PSCCOD+>057A
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>057A,
  V=>0000,D=>C801,C=>C801
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>057C,
  V=>0000,D=@PSCCOD+>0578,C=@PSCCOD+>0578
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>057E,
  V=(>0000,>0000),
  D=(>D1A1,>0005),
  C=>D1A4
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0582,
  V=>0000,D=>0460,C=>0460
EC
```

```
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0584,
  V=>0000,D=@PSCCOD+>0202,C=@PSCCOD+>0202
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>03BA,
  V=>2FE0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>03BC,
  V=@PSCCOD+>0500,D=@PSCCOD+>0586,C=@PSCCOD+>0586
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0586,
  V=>0000,D=>C060,C=>C060
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0588,
  V=>0000,D=@PSCCOD+>0578,C=@PSCCOD+>0578
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>058A,
  V=(>0000,>0000,>0000,>0000),
  D=(>0202,>FF00,>D842,>0000),
  C=>2540
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0592,
  V=>0000,D=>2FE0,C=>2FE0
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0594,
  V=>0000,D=@PSCCOD+>0500,C=@PSCCOD+>0500
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0596,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>0598,
  V=>0000,D=@PSCCOD+>03BE,C=@PSCCOD+>03BE
EC
*$
*************************************************************************
*=P01569  ERM    12/21/81   STR#011099  DX10 3270 ICS 2.0  QICT
*
*     WHEN ATTEMPTING TO RELEASE AN ICS STATION ADDRESS WHOSE
*     ASSOCIATED EMULATOR TASK IS NO LONGER IN THE SYSTEM THEN
*     RELEASE(FREE) THE STATION AND DO NOT ISSUE TWO-MINUTE DELAY.
*                                  QCTCOD PATCH (>0008 - >001E)
*************************************************************************
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>093A,
  V=>0203,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>093C,
  V=>0078,D=@PSCCOD+>0008,C=@PSCCOD+>0008
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0008,
  V=>0000,D=>D0E0,C=>D0E0
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>000A,
  V=>0000,D=@PSCCOD+>289D,C=@PSCCOD+>289D
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>000C,
  V=(>0000,>0000,>0000,>0000),
  D=(>1305,>DAAD,>0030,>0044),
  C=>C9DC
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0014,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0016,
  V=>0000,D=@PSCCOD+>09A6,C=@PSCCOD+>09A6
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>0018,
  V=(>0000,>0000,>0000),
  D=(>0203,>0078,>0460),
  C=>061B
EC
MPI PF=@$CPGF,MT=PR,MN=QCTCOD,ADDR=@PSCCOD+>001E,
  V=>0000,D=@PSCCOD+>093E,C=@PSCCOD+>093E
EC
*$
*******************************************************************************
*=P01570  ERM   12/21/81  STR#011100  DX10 3270 ICS 2.0   PSTART
*
*   PREFIX PSTART PSC LOG MESSAGE WITH '*XPSC- ' AND CHANGE
*   INITIAL STACK & HEAP SIZE VALUES FOR BIDDING ICSPSC FROM
*   (>2000,>1000) TO (>800,>400). UNNECESSARY ACTIVATE TO ICSPSC
*   PERFORMED WHEN ICSPSC IS NOT SUSPENDED.
*******************************************************************************
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>04D0,
  V=(>2000,>1000),
  D=(>0800,>0400),
  C=>0C00
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>050E,
  V=(>2753,>5953,>5445,>4D20),
  D=(>272A,>5850,>5343,>2D20),
  C=>0119
EC
MPI PF=@$CPGF,MT=TA,MN=PSTART,ADDR=@PSCCOD+>02A2,
  V=>2FE0,D=>1010,C=>1010
EC
*$
*******************************************************************************
*
*=P01571  ERM   12/22/81   STR#011101  DX10 3270 ICS 2.0   CTLCOD
*
*   DO NOT SEND 'INTERVENTION REQ' STATUS AFTER REOPEN FROM LINE
```

```
*    DISCONNECT WHEN A PRINTER EMULATOR IS ACTIVE WITH NO LOCAL
*    FORMAT.
*    #SYN ICS,PSCCOD                CTLCOD PATCH (>0030 - >0046)
*    .EVAL UPDDSR=@PSCCOD+>0C14
*********************************************************************
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>0088,
   V=>C293,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>008A,
   V=>1105,D=@PSCCOD+>0030,C=@PSCCOD+>0030
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0030,
   V=(>0000,>0000,>0000,>0000),
   D=(>C293,>1506,>1305,>C294),
   C=>0604
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0038,
   V=(>0000,>0000,>0000,>0000),
   D=(>A282,>D2AA,>0043,>1102),
   C=>6169
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0040,
   V=>0000,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0042,
   V=>0000,D=@UPDDSR+>008C,C=@UPDDSR+>008C
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0044,
   V=>0000,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0046,
   V=>0000,D=@UPDDSR+>0096,C=@UPDDSR+>0096
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>008C,
   V=(>54ED,>0012,>F4ED,>0016),
   D=(>44ED,>0012,>E4ED,>0016),
   C=>A004
EC
MPI  PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@UPDDSR+>0096,
   V=(>54ED,>0012,>F4ED,>0014),
   D=(>44ED,>0012,>E4ED,>0014),
   C=>A006
EC
*$
*********************************************************************
*
*=P01572  LTY  12/11/81  STR #011102  DX10 3270 ICS 2.0 PRTCOD
*
*       THIS PATCH CHECKS FOR NO LOCAL FORMAT OPTION AFTER PRINTER ERROR
*       OCCURRED, IF NO LOCAL FORMAT BEEN GEN'D IN, THE ICSPRT WILL
```

```
*       SEND INTERVENTION REQR'D IN THE CLEANUP.
*                                                  PRTCOD PATCH(>0000 - >0037)
*********************************************************************************
.EVAL TSTIO=@PSCCOD+>252A
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@TSTIO+>0114,
  V=>C24A,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@TSTIO+>0116,
  V=>0229,D=@PATCH,C=@PATCH
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH,
  V=>0000,D=>C260,C=>C260
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0002,
  V=>0000,D=@PSCCOD+>43E2,C=@PSCCOD+>43E2
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0004,
  V=(>0000,>0000,>0000,>0000),
  D=(>D1E9,>000B,>0987,>0287),
  C=>DAE2
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>000C,
  V=(>0000,>0000,>0000,>0000),
  D=(>0004,>160F,>C1E9,>000C),
  C=>D7EE
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0014,
  V=(>0000,>0000,>0000,>0000),
  D=(>0287,>4455,>160A,>C1E9),
  C=>9131
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>001C,
  V=(>0000,>0000,>0000,>0000),
  D=(>000E,>0287,>4D59,>1605),
  C=>59D5
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0024,
  V=>0000,D=>069B,C=>069B
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0026,
  V=>0000,D=@PSCCOD+>14F2,C=@PSCCOD+>14F2
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0028,
  V=>0000,D=>069B,C=>069B
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>002A,
  V=>0000,D=@PSCCOD+>2C10,C=@PSCCOD+>2C10
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>002C,
  V=>0000,D=@PSCCOD+>273A,C=@PSCCOD+>273A
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>002E,
  V=(>0000,>0000,>0000,>0000),
  D=(>C24A,>0229,>005C,>0460),
  C=>C45F
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0036,
  V=>0000,D=@TSTIO+>011A,C=@TSTIO+>011A
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@TSTIO+>00D6,
  V=>C260,D=>1007,C=>1007
EC
*$
*******************************************************************************
*
*=P01573  LTY  12/23/81  STR #011103  DX10 3270 ICS 2.0 PRTCOD
*
*   SEND DEVICE END WHEN ICSPRT TERMINATE, ONLY IF THE LOCAL FORMAT BEEN
*   GEN'D IN.
*   RE-ARRANGE THE CONTROL FLOW IN CLEANUP, TO MARK STATION FREE AND SEND
*   DEVICE END THEN CLOSE ALL LUNOS.
*                                                PRTCOD PATCH(>0038 - >005D)
*******************************************************************************
.EVAL CNUP=@PSCCOD+>14F2
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>003A,
  V=>132F,D=>1305,C=>1305
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0046,
  V=>C82D,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0048,
  V=>0010,D=@CNUP+>0166,C=@CNUP+>0166
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>01C2,
  V=>C260,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>01C4,
  V=@PSCCOD+>43A4,D=@PATCH+>0038,C=@PATCH+>0038
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0038,
  V=>0000,D=>0202,C=>0202
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>003A,
  V=>0000,D=@PSCCOD+>43E2,C=@PSCCOD+>43E2
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>003C,
  V=(>0000,>0000,>0000,>0000),
  D=(>C252,>D269,>000B,>0989),
  C=>19B9
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0044,
  V=(>0000,>0000,>0000,>0000),
  D=(>0289,>000F,>1602,>069B),
  C=>121F
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>004C,
  V=>0000,D=@PSCCOD+>1722,C=@PSCCOD+>1722
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>004E,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0050,
  V=>0000,D=@CNUP+>009A,C=@CNUP+>009A
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0162,
  V=>2FE0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0164,
  V=@PSCCOD+>46E4,D=@PATCH+>0052,C=@PATCH+>0052
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0052,
  V=>0000,D=>2FE0,C=>2FE0
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0054,
  V=>0000,D=@PSCCOD+>46E4,D=@PSCCOD+>46E4
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0056,
  V=>0000,D=>C260,C=>C260
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0058,
  V=>0000,D=@PSCCOD+>43A4,C=@PSCCOD+>43A4
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>005A,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>005C,
  V=>0000,D=@CNUP+>01C6,C=@CNUP+>01C6
EC
*$
*************************************************************************
*
*=P01574  LTY  12/23/81  STR #011104  DX10 3270 ICS 2.0 PRTCOD
*
*   INSTEAD OF XOP, CALL DEVEND, MORE ERROR CHECKING THIS WAY
*                                        (NO PRTCOD PATCH AREA USED)
*************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0042,
  V=>2FE0,D=>069B,C=>069B
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>0044,
```

```
   V=@PSCCOD+>4380,D=@PSCCOD+>1722,C=@PSCCOD+>1722
EC
*$
*********************************************************************
*
*=P01575  LTY  12/23/81  STR #011105  DX10 3270 ICS 2.0 PRTCOD
*
*  BEFORE CALL CMNDR IN PRTSAV, SET RIGHT AHDR.FLAG TO INDICATE SAVEFILE,
*  THE BLDATR MIGHT MESS IT UP.
*                                                PRTCOD PATCH(>005E - >0071)
*********************************************************************
.EVAL PRTSV=@PSCCOD+>21A6
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PRTSV+>0178,
   V=>04E0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PRTSV+>017A,
   V=@PSCCOD+>4866,D=@PATCH+>005E,C=@PATCH+>005E
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>005E,
   V=>0000,D=>04E0,C=>04E0
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0060,
   V=>0000,D=@PSCCOD+>4866,C=@PSCCOD+>4866
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0062,
   V=>0000,D=>C260,C=>C260
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0064,
   V=>0000,D=@PSCCOD+>3BFC,C=@PSCCOD+>3BFC
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0066,
   V=(>0000,>0000,>0000),
   D=(>0269,>0008,>C809),
   C=>CA68
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>006C,
   V=>0000,D=@PSCCOD+>3BFC,C=@PSCCOD+>3BFC
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>006E,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0070,
   V=>0000,D=@PRTSV+>017C,C=@PRTSV+>017C
EC
*$
*********************************************************************
*
*=P01576   LTY  12/23/81  STR #011106  DX10 3270 ICS 2.0 PRTCOD
*
*  AFTER PROCESSING SAVE FILE, PRT SEND DEVICE END + CLR INTVN REQR'D
```

```
*                                                  PRTCOD PATCH(>0072 - >0083)
*********************************************************************
.EVAL ICSPRT=@PSCCOD+>273A
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@ICSPRT+>0142,
  V=>C82D,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@ICSPRT+>0144,
  V=>001E,D=@PATCH+>0072,C=@PATCH+>0072
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0072,
  V=(>0000,>0000,>0000),
  D=(>020A,>0A10,>C80A),
  C=>C010
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0078,
  V=>0000,D=@PATCH+>438E,C=@PATCH+>438E
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>007A,
  V=(>0000,>0000),
  D=(>C82D,>001E),
  C=>C833
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>007E,
  V=>0000,D=@PATCH+>4390,C=@PATCH+>4390
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0080,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0082,
  V=>0000,D=@ICSPRT+>0148,C=@ICSPRT+>0148
EC
*$
*********************************************************************
*
*=P01577  LTY  12/23/81  STR #011107  DX10 3270 ICS 2.0 PRTCOD
*
*  WHEN CLEANUP, IF NO LOCAL FORMAT, SEND INTERVENTION REQR'D
*                                                  PRTCOD PATCH(>0084 - >008F)
*********************************************************************
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>003C,
  V=>C82D,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@CNUP+>003E,
  V=>000E,D=@PATCH+>0084,C=@PATCH+>0084
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>0084,
  V=(>0000,>0000,>0000),
  D=(>0209,>0010,>C809),
  C=>CA10
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>008A,
  V=>0000,D=@PATCH+>4390,C=@PATCH+>4390
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>008C,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,A=@PATCH+>008E,
  V=>0000,D=@CNUP+>0042,C=@CNUP+>0042
EC
*$
*******************************************************************************
*
*=P1593    ERM  01/28/82   STR#11292    DX10 3270 ICS 2.0    ICSCTL
*
*     IF THE CONTROLLER TASK TERMINATES ABNORMALLY BECAUSE DURING
*     INITIALIZATION THE ITC READ RETRY COUNT WAS EXHAUSTED, THE
*     CONTROLLER TASK ATTEMPTS TO RESET(FREE), MAKE ITS STATUS INACTIVE.
*     HOWEVER, THE POINTER TO ITS LINE DESCRIPTOR BLOCK IS NOT KNOWN
*     UNTIL A SUCCESSFUL ITC READ FROM 'ICSSTA'. THIS PATCH NO-OPS
*     THE ATTEMPT TO RESET ITS LINE STATUS INACTIVE.  'ICSSTA' WILL
*     RESET ITS LINE STATUS WHEN A PUT ITC TO 'ICSCTL' FAILS.
*
*                                          (NO PATCH AREA USED)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=CTLCOD,ADDR=@PSCCOD+>0682,
  V=(>C26A,>0002,>DA5D,>0043),
  D=(>1003,>1000,>1000,>1000),
  C=>0003
EC
*$
*
*******************************************************************************
*
*=P1595    ERM 01/28/82   STR#11291  DX10 3270 ICS 2.0    ICSSTA
*
*     IF THE OPERATOR DOES NOT ENTER A COMM DEVICE FOR 'XPSC' OR 'XICP'
*     AND NO ICS CONTROLLER TASKS HAVE BEEN ACTIVATED THEN AN
*     INCOMPLETE ERROR MESSAGE(NO COMM DEVICE) IS DISPLAYED.
*     (I.E. '*XICP-   HAS NOT BEEN ACTIVATED BY "XICC"'). IN PLACE
*     OF BLANKS DISPLAY THE LAST(POSSIBLY ONLY) COMM DEVICE IN ICS
*     CONFIGURATION WITH MESSAGE.
*     (E.G. '*XICP- CM02 HAS NOT BEEN ACTIVATED BY "XICC"').
*
*                                  STACOD PATCH (>0000 - >0020)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>061C,
  V=>0201,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>061E,
  V=@PSCCOD+>39F3,D=@PSCCOD,C=@PSCCOD
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD,
  V=(>0000,>0000,>0000),
  D=(>0201,>0001,>0202),
  C=>0002
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0006,
  V=>0000,D=@PSCCOD+>39F3,C=@PSCCOD+>39F3
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0008,
  V=(>0000,>0000,>0000,>0000),
  D=(>C26A,>0002,>A241,>DCA9),
  C=>BC80
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0010,
  V=(>0000,>0000,>0000,>0000),
  D=(>0005,>0581,>0281,>0004),
  C=>0701
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0018,
  V=(>0000,>0000),
  D=(>12F7,>0201),
  C=>10F6
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>001C,
  V=>0000,D=@PSCCOD+>39F3,C=@PSCCOD+>39F3
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>001E,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0020,
  V=>0000,D=@PSCCOD+>0620
EC
*
*$
*
*********************************************************************
*
*=P1596    ERM  01/28/82   STR#11290  DX10 3270 ICS 2.0     ICSSTA
*
*      IF THE OPERATOR ENTERS A TERMINAL ADDRESS VALUE THAT BELONGS
*      TO A CRT TYPE TERMINAL BUT ENTERED 'PRT' TO TERMINAL TYPE PROMPT
*      IN THE 'XPSC' PROCEDURE ICS FAILS TO DISPLAY AN ERROR FOR THIS
*      INCONSISTENCY AND PROCEEDS TO BID UP THE ICS EMULATOR USING THE
*      TERMINAL ADDRESS VALUE(IGNORING THE VALUE ENTERED FOR TERMINAL
*      TYPE. THE CORRESPONDING PROBLEM OCCURS WHEN A TERMINAL ADDRESS
*      VALUE THAT BELONGS TO A PRT TYPE TERMINAL IS ENTERED BY 'CRT'
*      TYPE IS ENTERED FOR TERMINAL TYPE PROMPT. THIS PATCH WILL REPORT
*      AN ERROR WHEN THIS INCONSISTENCY OCCURS RATHER THAN ACCEPT THE
*      TERMINAL ADDRESS VALUE.
```

```
*
*                                          STACOD PATCH (>0022 - >008A)
*********************************************************************************
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>13BA,
   V=>C2A0,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>13BC,
   V=@PSCCOD+>39CA,D=@PSCCOD+>0022,C=@PSCCOD+>0022
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>13BE,
   V=>1328,D=>1000,C=>1000
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0022,
   V=>0000,D=>C2A0,C=>C2A0
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0024,
   V=>0000,D=@PSCCOD+>39CA,C=@PSCCOD+>39CA
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0026,
   V=(>0000,>0000),
   D=(>161B,>C2A0),
   C=>D4BB
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>002A,
   V=>0000,D=@PSCCOD+>3BD8,C=@PSCCOD+>3BD8
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>002C,
   V=(>0000,>0000),
   D=(>1618,>C2A0),
   C=>D4B8
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0030,
   V=>0000,D=@PSCCOD+>3BD6,C=@PSCCOD+>3BD6
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0032,
   V=(>0000,>0000),
   D=(>1317,>C260),
   C=>D177
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0036,
   V=>0000,D=@PSCCOD+>3A82,C=@PSCCOD+>3A82
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0038,
   V=(>0000,>0000,>0000,>0000),
   D=(>0A69,>A254,>D269,>0045),
   C=>7A11
EC
MPI  PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0040,
   V=(>0000,>0000,>0000),
   D=(>0989,>130F,>0209),
```

```
   C=>188F
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0046,
   V=>0000,D=@PSCCOD+>0070,C=@PSCCOD+>0070
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0048,
   V=(>0000,>0000,>0000),
   D=(>0206,>000E,>020A),
   C=>0002
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>004E,
   V=>0000,D=@PSCCOD,C=@PSCCOD
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0050,
   V=(>0000,>0000,>0000,>0000),
   D=(>022A,>20F7,>DEB9,>0606),
   C=>FA62
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0058,
   V=(>0000,>0000),
   D=(>16FD,>0460),
   C=>129D
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>005C,
   V=>0000,D=@PSCCOD+>13D2,C=@PSCCOD+>13D2
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>005E,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0060,
   V=>0000,D=@PSCCOD+>13C0,C=@PSCCOD+>13C0
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0062,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0064,
   V=>0000,D=@PSCCOD+>1410,C=@PSCCOD+>1410
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>13CE,
   V=>0609,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>13D0,
   V=>131F,D=@PSCCOD+>0066,C=@PSCCOD+>0066
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0066,
   V=(>0000,>0000,>0000),
   D=(>0609,>13FC,>0209),
   C=>17FC
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>006C,
```

```
  V=>0000,D=@PSCCOD+>007E,C=@PSCCOD+>007E
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>006E,
  V=>0000,D=>10EC,C=>10EC
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0070,
  V=(>0000,>0000,>0000,>0000),
  D=(>5052,>494E,>5445,>5220),
  C=>1F79
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0078,
  V=(>0000,>0000,>0000,>0000),
  D=(>2020,>2020,>2020,>5649),
  C=>7669
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0080,
  V=(>0000,>0000,>0000,>0000),
  D=(>4445,>4F20,>5445,>524D),
  C=>0D6D
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0088,
  V=(>0000,>0000),
  D=(>494E,>414C),
  C=>0802
EC
*
*$
*
*******************************************************************************
*
*=P1597    ERM  01/28/82   STR#11293   DX10 3270 ICS 2.0    ICSSTA
*
*      IN THE 'XPSC' PROCEDURE IF THE OPERATOR AUTO SELECTS EITHER A
*      'CRT' OR 'PRT' TYPE DEVICE AND ALL OF THE SELECTED TYPE DEVICES
*      ARE IN USE THEN ICS SHOULD DISPLAY A MORE MEANINGFUL ERROR MSG.
*
*                                        STACOD PATCH (>008C - >00B6)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>11CC,
  V=>C320,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>11CE,
  V=@PSCCOD+>39CA,D=@PSCCOD+>008C,C=@PSCCOD+>008C
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>11D0,
  V=>1308,D=>1000,C=>1000
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>008C,
  V=>0000,D=>C320,C=>C320
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>008E,
  V=>0000,D=@PSCCOD+>39CA,C=@PSCCOD+>39CA
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0090,
  V=(>0000,>0000),
  D=(>1603,>C320),
  C=>D523
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0094,
  V=>0000,D=@PSCCOD+>3BD8,C=@PSCCOD+>3BD8
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>0096,
  V=(>0000,>0000),
  D=(>1303,>0206),
  C=>1105
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>009A,
  V=>0000,D=@PSCCOD+>11E2,C=@PSCCOD+>11E2
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>009C,
  V=(>0000,>0000),
  D=(>1002,>0206),
  C=>1204
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00A0,
  V=>0000,D=@PSCCOD+>11E9,C=@PSCCOD+>11E9
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00A2,
  V=(>0000,>0000,>0000),
  D=(>020A,>0007,>020C),
  C=>0001
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00A8,
  V=>0000,D=@PSCCOD,C=@PSCCOD
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00AA,
  V=(>0000,>0000,>0000,>0000),
  D=(>022C,>22DC,>DF36,>060A),
  C=>F9CC
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00B2,
  V=(>0000,>0000),
  D=(>16FD,>0460),
  C=>129D
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>00B6,
  V=>0000,D=@PSCCOD+>11D2,C=@PSCCOD+>11D2
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>11E2,
  V=(>CFAD,>0010,>CF95,>CFAD),
```

```
  D=(>5052,>494E,>5445,>5256),
  C=>1F0F
EC
MPI PF=@$CPGF,MT=PR,MN=STACOD,ADDR=@PSCCOD+>11EA,
  V=(>0012,>CFAD,>0020),
  D=(>4944,>454F,>2020),
  C=>2C2B
EC
*$
*******************************************************************************
*
*=P01598  LTY  02/02/82  STR# 011306  DX10 ICS 3270   PSCCOD
*
*   THIS PATCH WILL AVOID THE ICSPSC PUT AN EXTRA MESSAGE INTO ITC
*   WHEN ABNORMAL TERMINATED(KILL TASK) AND THE USER TASK IS NOT
*   ACTIVE(POLL USER TASK STATUS).
*   LEAD TERMINATION LOGIC TO ESCAPE ICSPSC INSTEAD OF RETURN TO THE
*   CALLER.
*   IF ACTIVATE TASK FAILED, CLEAR THE PUTDATA Q.
*
*                                          PSCCOD PATCH(>00E0 - >011D)
*******************************************************************************
.EVAL ABND=@PSCCOD+>024A
.EVAL TERM=@PSCCOD+>1AEC
*
*    IN TERM3270, CHANGE R$RETM AND ESCAPE ICSPSC TO ENDTSK SVC
*    TO AVOID RIFLE RUN TIME LOG MESSAGES
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@TERM+>01C0,
  V=>046B,D=>1017,C=>1017
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@TERM+>01F0,
  V=>069B,D=>0201,C=>0201
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@TERM+>01F2,
  V=@PSCCOD+>3AF2,D=>0400,C=>0400
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@TERM+>01F4,
  V=@PSCCOD+>2292,D=>2FC1,C=>2FC1
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@TERM+>01EC,
  V=>C041,D=>1001,C=>1001
EC
*
*  POLL USER TASK STATUS
*
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0054,
  V=>8B6C,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0056,
  V=>0006,D=@PATCH+>00E0,C=@PATCH+>00E0
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00E0,
  V=>0000,D=>D820,C=>D820
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00E2,
  V=>0000,D=@PSCCOD+>550C+>0003,C=@PSCCOD+>550C+>0003
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00E4,
  V=>0000,D=@PSCCOD+>54AE+>0005,C=@PSCCOD+>54AE+>0005
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00E6,
  V=>0000,D=>2FE0,C=>2FE0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00E8,
  V=>0000,D=@PSCCOD+>54AE,C=@PSCCOD+>54AE
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00EA,
  V=>0000,D=>D2A0,C=>D2A0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00EC,
  V=>0000,D=@PSCCOD+>54AE+>0001,C=@PSCCOD+>54AE+>0001
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00EE,
  V=(>0000,>0000,>0000,>0000),D=(>098A,>028A,>00FF,>1305),
  C=>18FA
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00F6,
  V=(>0000,>0000,>0000,>0000),D=(>8B6C,>0006,>0014,>0460),
  C=>8F1E
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00FE,
  V=>0000,D=@ABND+>005A,C=@ABND+>005A
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0100,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0102,
  V=>0000,D=@ABND+>009A,C=@ABND+>009A
EC
*
*     IF ACTIVATE TASK FAILED, CLEANUP THE Q
.EVAL ECHO=@PSCCOD+>09F0
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ECHO+>0038,
  V=>CFAD,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ECHO+>003A,
  V=>000E,D=@PATCH+>0104,C=@PATCH+>0104
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0104,
  V=>0000,D=>D820,C=>D820
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0106,
  V=>0000,D=@PSCCOD+>550C+>0003,C=@PSCCOD+>550C+>0003
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0108,
  V=>0000,D=@PSCCOD+>4EB6+>0003,C=@PSCCOD+>04EB6+>0003
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>010A,
  V=(>0000,>0000,>0000),D=(>020A,>8000,>F80A),C=>7A00
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0110,
  V=>0000,D=@PSCCOD+>4EB6+>0002,C=@PSCCOD+>4EB6+>0002
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0112,
  V=>0000,D=>2FE0,C=>2FE0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0114,
  V=>0000,D=@PSCCOD+>4EB6,C=@PSCCOD+>4EB6
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0116,
  V=(>0000,>0000,>0000),D=(>CFAD,>000E,>0460),C=>CBC3
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>011C,
  V=>0000,D=@ECH0+>003C,C=@ECH0+>003C
EC
*$
*********************************************************************
*
*=P01599  LTY  02/02/82  STR# 011308  DX10 ICS 3270   PRTCOD
*
*    THIS PATCH WILL AVOID THE RIFLE RUN TIME PUT OUT END ACTION
*    MESSAGES BY ISSUING A SVC ENDTSK INSTEAD OF RIFLE ESCAPE.
*
*                                          PRTCOD PATCH(>00A6 - >00AB)
*********************************************************************
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@CNUP+>01D4,
  V=>046B,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@CNUP+>01D6,
  V=>00B0,D=@PATCH+>00A6,D=@PATCH+>00A6
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>00A6,
  V=(>0000,>0000,>0000),D=(>0209,>0400,>2FC9),C=>29C0
EC
*$
*********************************************************************
*
*=P01622 LTY  01/07/82  STR #011126  DX10 3270 ICS 2.0  PSCCOD
*
*    WHEN ABEND, CHECK PUTDATA MID, IF 0 THEN THE ICSPSC HASN'T GET THE
```

```
*     USER TASK'S RUNID YET, NO NEED TO PUTDATA, JUST SKIP IT AND GO TO
*     LOGMSG.
*
*                                                    PSCCOD PATCH(>0062 - >0073)
*********************************************************************
.EVAL INTA=@PSCCOD+>0B9E
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0068,
  V=>2FE0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>006A,
  V=@PSCCOD+>550C,D=@PATCH+>0062,C=@PATCH+>0062
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0062,
  V=>0000,D=>D2A0,C=>D2A0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0064,
  V=>0000,D=@PSCCOD+>550F,C=@PSCCOD+>550F
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0066,
  V=(>0000,>0000),D=(>1304,>2FE0),C=>3CE4
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>006A,
  V=>0000,D=@PSCCOD+>550C,C=@PSCCOD+>550C
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>006C,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>006E,
  V=>0000,D=@ABND+>006C,C=@ABND+>006C
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0070,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0072,
  V=>0000,D=@ABND+>009A,C=@ABND+>009A
EC
*$
*********************************************************************
*
*=P01623 LTY  01/07/82  STR #011125  DX10 3270 ICS 2.0  PSCCOD
*
*  IF GETDATA ERROR IN INITTASK, GO ABEND INSTEAD OF LOGMSG
*
*                                                    NO PATCH AREA BEEN USED
*********************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@INTA+>008E,
  V=@PSCCOD+>0FF4,D=@PSCCOD+>024A,C=@PSCCOD+>024A
EC
*$
*********************************************************************
```

```
*
*=P01624 LTY  01/07/82  STR #011124  DX10 3270 ICS 2.0  PSCCOD
*
*  IN INITTASK, RETRY GETDATA IF NO DATA APPEAR YET. RETRY AND TIMEOUT
*  5 TIMES, EACH TIMEOUT 100 MS.
*
*                                                  PSCCOD PATCH(>0074 - >008F)
*********************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@INTA+>006E,
  V=>2FE0,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@INTA+>0070,
  V=@PSCCOD+>4EB6,D=@PATCH+>0074,C=@PATCH+>0074
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0074,
  V=(>0000,>0000,>0000),D=(>0204,>0005,>2FE0),C=>2DE1
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>007A,
  V=>0000,D=@PSCCOD+>4EB6,C=@PSCCOD+>4EB6
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>007C,
  V=>0000,D=>D2A0,C=>D2A0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>007E,
  V=>0000,D=@PSCCOD+>4EB7,C=@PSCCOD+>4EB7
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0080,
  V=(>0000,>0000,>0000,>0000),D=(>1305,>0604,>1303,>2FE0),
  C=>29E2
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0088,
  V=>0000,D=@PSCCOD+>497C,C=@PSCCOD+>497C
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>008A,
  V=>0000,D=>10F6,C=>10F6
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>008C,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>008E,
  V=>0000,D=@INTA+>0072,C=@INTA+>0072
EC
*$
*********************************************************************************
*
*=P01625   LTY  01/21/82   STR#011220  DX10 3270 ICS 2.0  PRTCOD
*
*   THIS PATCH WILL FIX PROBLEM THAT THE RELATIVE RECORD FILE DIDN'T
*   OPEN EXTEND, THAT'S BECAUSE AFTER OPEN EXTENDED, THE RECORD #
*   DIDN'T TRANSFER TO WRITE SVC BLOCK, SO IT WAS ALWAYS STARTED
```

```
*    WITH RECORD 0 AND WIPED OUT THE ORIGINAL FILE.
*
*                                                  PRTCOD PATCH (>0090->00A5)
*****************************************************************************
.EVAL OPN=@PSCCOD+>1C0C
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@OPN+>014C,
  V=>CAAD,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@OPN+>014E,
  V=>001A,D=@PATCH+>0090,C=@PATCH+>0090
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>0090,
  V=(>0000,>0000,>0000,>0000),
  D=(>CAAD,>001A,>0178,>C820),C=>03EF
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>0098,
  V=>0000,D=@PSCCOD+>46C0+>000C,C=@PSCCOD+>46C0+>000C
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>009A,
  V=>0000,D=@PSCCOD+>46E4+>000C,C=@PSCCOD+>46E4+>000C
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>009C,
  V=>0000,D=>C820,C=>C820
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>009E,
  V=>0000,D=@PSCCOD+>46C0+>000E,C=@PSCCOD+>46C0+>000E
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>00A0,
  V=>0000,D=@PSCCOD+>46E4+>000E,C=@PSCCOD+>46E4+>000E
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>00A2,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PRTCOD,ADR=@PATCH+>00A4,
  V=>0000,D=@OPN+>0152,C=@OPN+>0152
EC
*$
*****************************************************************************
*
*=P01626  LTY  01/25/82   STR#011302  DX10 ICS 3270 2.0    CRTCOD
*
*       THE PRINT KEY ROUTINE WILL WRITE A CR+FF TO THE OUTPUT FILE/
*       DEVICE BEFORE PRINT THE SCREEN IMAGE.
*       IN CLEANUP, THE CLOSE OUTPUT FILE/DEVICE WILL DO A CLOSE
*       INSTEAD OF CLOSE EOF.
*
*                                                  CRTCOD PATCH (>0026->0047)
*****************************************************************************
.EVAL PKEY=@PSCCOD+>1C4A
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>0052,
```

```
   V=(>C82D,>0018),D=(>0203,>0002),C=>0201
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>0056,
   V=@PSCCOD+>752E+>000A,D=>C803,C=>C803
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>0058,
   V=>CBE0,D=@PSCCOD+>752E+>000A,C=@PSCCOD+>752E+>000A
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>005A,
   V=@PSCCOD+>7286,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>005C,
   V=>002A,D=@PATCH+>0026,C=@PATCH+>0026
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0026,
   V=(>0000,>0000,>0000,>0000),D=(>C0ED,>0016,>0204,>0D0C),
   C=>CFF3
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>002E,
   V=(>0000,>0000,>0000,>0000),D=(>DCC4,>06C4,>D4C4,>2FE0),
   C=>2124
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0036,
   V=>0000,D=@PSCCOD+>752E,D=@PSCCOD+>752E
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0038,
   V=(>0000,>0000),D=(>C82D,>0018),C=>C835
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>003C,
   V=>0000,D=@PSCCOD+>752E+>000A,C=@PSCCOD+>752E+>000A
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>003E,
   V=>0000,D=>CBE0,C=>CBE0
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0040,
   V=>0000,D=@PSCCOD+>7286,C=@PSCCOD+>7286
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0042,
   V=>0000,D=>002A,C=>002A
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0044,
   V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PATCH+>0046,
   V=>0000,D=@PKEY+>005E,C=@PKEY+>005E
EC
*
*  DON'T DO WRITE INIT,CHANGE OPCODE FROM CLOSE EOF TO CLOSE
*
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PKEY+>0012,
```

```
  V=>0080,D=>0000,C=>0000
EC
MPI PF=@$CPGF,MT=PR,MN=CRTCOD,ADR=@PSCCOD+>1ADC+>000E,
  V=>0002,D=>0001,C=>0001
EC
*$
*******************************************************************************
*
*=P01627   LTY   01/26/82  STR#011304   DX10 ICS 3270 REL 2.0   PSCCOD
*
*     FOR ICSPSC PRINTER STATION, IF GEN'D IN AS NO LOCAL FORMAT, THE
*   ICSPSC SHOULD SEND INTERVENTION REQR'D INSTEAD OF DEVICE BUSY.
*     THE STATE SHOULD SET TO WAIT IF THE CLS STATE WASN'T 'ENDING'.
*     IN ABNEND, FOR PRINTER STATION, SHOULD SEND DEVICE END/INT REQ'D
*   AFTER MARK THE STATION FREE.
*
*                                              PSCCOD PATCH(>0090->00DF)
*******************************************************************************
.EVAL CRTIN=@PSCCOD+>05E6
.EVAL UCLS=@PSCCOD+>1E6A
*
*   SET MASK INCLUDE INTVNTN REQR'D
*
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@CRTIN+>0034,
  V=>0A00,D=>0A10,C=>0A10
EC
*
*   SET MASK FOR DEVEND SVC TO INCLUDE INTVNTN REQ'D
*
MPI PF=@$CPGF,MT=TA,MN=ICSPSC,ADR=@PSCCOD+>4D76,
  V=>0A00,D=>0A10,C=>0A10
EC
*
*   CHANGE DEVICE BUSY TO INTERVENTION REQR'D
*
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@UCLS+>0018,
  V=>0800,D=>0010,C=>0010
EC
*
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@UCLS+>009E,
  V=>C82D,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@UCLS+>00A0,
  V=>0018,D=@PATCH+>0090,C=@PATCH+>0090
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0090,
  V=(>0000,>0000,>0000,>0000),D=(>875C,>160B,>C82D,>0018),
  C=>5962
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>0098,
```

```
   V=>0000,D=@PSCCOD+>4D68+>0010,
   C=@PSCCOD+>4D68+>0010
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>009A,
   V=(>0000,>0000,>0000,>0000),D=(>875C,>1302,>C72D,>000E),
   C=>537D
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00A2,
   V=>0000,D=>2FE0,C=>2FE0
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00A4,
   V=>0000,D=@PSCCOD+>4D68,C=@PSCCOD+>4D68
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00A6,
   V=>0000,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00A8,
   V=>0000,D=@UCLS+>00B8,C=@UCLS+>00B8
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00AA,
   V=(>0000,>0000),D=(>C82D,>001A),C=>C837
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00AE,
   V=>0000,D=@PSCCOD+>4D68+>0010,
   C=@PSCCOD+>4D68+>0010
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00B0,
   V=>0000,D=>10F4,C=>10F4
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@UCLS+>00B4,
   V=>2FE0,D=>0460,C=>0460
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@UCLS+>00B6,
   V=@PSCCOD+>4D68,D=@PATCH+>009A,C=@PATCH+>009A
EC
*
*  ABNEND SEND STATUS FOR PRINTER BEFORE MARK STATION FREE
*
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0010,
   V=(>0A00,>0800),D=(>0010,>0200),C=>0210
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0050,
   V=>2FE0,D=>1001,C=>1001
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0026,
   V=>C2AC,D=>1007,C=>1007
EC
MPI  PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0044,
   V=(>C82D,>0010),D=(>C2AC,>0002),C=>C2AE
EC
```

```
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0048,
  V=@PSCCOD+>4D68+>000E,D=>10F0,C=>10F0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0030,
  V=>028A,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>0032,
  V=>000F,D=@PATCH+>00B2,C=@PATCH+>00B2
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00B2,
  V=(>0000,>0000,>0000,>0000),D=(>028A,>000F,>1602,>0460),
  C=>10E7
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00BA,
  V=>0000,D=@ABND+>004A,C=@ABND+>004A
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00BC,
  V=(>0000,>0000),D=(>C82D,>0010),C=>C83D
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00C0,
  V=>0000,D=@PSCCOD+>4D68+>0010,C=@PSCCOD+>4D68+>0010
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00C2,
  V=>0000,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00C4,
  V=>0000,D=@ABND+>0054,C=@ABND+>0054
EC
*
*  SEND DEVICE END
*
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>00F8,
  V=>04FE,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@ABND+>00FA,
  V=>069B,D=@PATCH+>00C6,C=@PATCH+>00C6
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00C6,
  V=(>0000,>0000,>0000,>0000),D=(>C2AC,>0004,>D6AD,>0021),
  C=>1424
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00CE,
  V=(>0000,>0000,>0000,>0000),D=(>D26A,>0001,>0A89,>1702),
  C=>CFE0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00D6,
  V=>0000,D=>2FE0,C=>2FE0
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00D8,
  V=>0000,D=@PSCCOD+>4D68,C=@PSCCOD+>4D68
```

```
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00DA,
  V=(>0000,>0000),D=(>04FE,069B),C=>0265
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PATCH+>00DE,
  V=>0000,D=@PSCCOD+>1AEC,C=@PSCCOD+>1AEC
EC
*$
*******************************************************************************
*
*=P01646   LTY   02/15/82  STR#011417   DX10 ICS 3270 REL 2.0   PSCCOD
*
*      THERE IS AN EXTRA FLAG 'GOTDATA' BESIDE 'DATAFLG' TO INDICATE
*    THAT ICSPSC HAS DATA BUT NEVER GETS RESET AFTER SET AND THUS CAUSE
*    THE WARNING MESSAGE BEEN PUT OUT EVEN THOUGH THERE IS NO DATA LOST.
*      THIS PATCH CHANGE 'GOTDATA' TO 'DATAFLG' TO USE ONLY ONE FLAG TO
*    SERVE THE PURPOSE.
*
*                                                  (NO PATCH AREA BEEN USED)
*******************************************************************************
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>1742+>0046,
  V=@PSCCOD+>4EC2,D=@PSCCOD+>4D66,C=@PSCCOD+>4D66
EC
MPI PF=@$CPGF,MT=PR,MN=PSCCOD,ADR=@PSCCOD+>1742+>0064,
  V=@PSCCOD+>4EC2,D=@PSCCOD+>4D66,C=@PSCCOD+>4D66
EC
*
*$
*
*******************************************************************************
*  NEXT QICT PATCH AREA LOCATION=@PSCCOD + >0020
*  NEXT PSTART PATCH AREA LOCATION=@PSCCOD + >059A
*  NEXT PSC PATCH AREA LOCATION=@PSCCOD + >011E                              *
*  NEXT CRT PATCH AREA LOCATION=@CRTCOD + >0026
*  NEXT CTL PATCH AREA LOCATION=@PSCCOD + >0048
*  NEXT PRT PATCH AREA LOCATION=@PSCCOD + >00AC
*  NEXT STA PATCH AREA LOCATION=@PSCCOD + >00B8
*******************************************************************************
.SYN ABND="",PSCCOD="",PATCH="",USRATR="",PSTRT="",UFG="",
  UPDDSR=""
CM MSG="@$E$C ERRORS IN PATCH STREAM @$CLST.BATLST.TSKPT327"
```

2.4 DSR Patches

The following patches are found in the DSR patch file,

```
                    'DX03270.DXCM0.D3270.P.DPT3270':
BATCH LS=YES
*****************************************************************
*
* TITLE:      DPT3270
* ABSTRACT:   THIS PATCH FILE PATCHES THE COMMUNICATIONS DSR
*             ASSOCIATED WITH THE 3270 EMULATOR.  COMMON
*             MODULES IN THE PARTIAL LINK "DSR3270", ARE
*             PATCHED BY "DPTCMON".  PROTOCOL DEPENDENT
*             MODULES ARE PATCHED BY "DPT3270".
*  ***  S P E C I A L    I N S T R U C T I O N S   ***
*
*       THIS PATCH FILE MUST BE APPLIED USING THE CURRENT
*       "PCS" PROC.  "PCS" IS AVAILABLE ON EACH
*       COMMUNICATION EMULATOR OBJECT INSTALLATION DISK.
*
*       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.
*
*****************************************************************
.SYN IMAGE= @$$DSC$.S$IMAGES      !TARGET DISK .S$IMAGES
*****************************************************************
*****  SYSTEM LINK DEFINED SYNONYMS
*****************************************************************
#SYN    DSR,DSR3270
#SYN    COM,COMMCOM
.SYN    DSRCMON="@DSR3270"
*****************************************************************
*****  PARTIAL LINK DEFINED SYNONYMS
*****************************************************************
#SYN    C,LCBSCI
#SYN    C,CDBSCI
#SYN    C,MSBSCI
#SYN    C,DSRPAT
.SYN    C=""
*****************************************************************
*****  CALCULATED USING DSR3270'S OFFSET
*****************************************************************
.IF     @LCBSCI,NE,"NONE"
.EVAL   LCBSCI="@DSR3270+@LCBSCI"
.EVAL   MSBSCI="@DSR3270+@MSBSCI"
.EVAL   D$$PAT="@DSR3270+@DSRPAT+2"
.ENDIF
.IF     @CDBSCI,NE,"NONE"
  .EVAL   CDBSCI="@DSR3270+@CDBSCI"
.ENDIF
*****************************************************************
```

```
*  NOTE: THE FOLLOWING PATCHES SHIP WITH ICS R 2.0
*****************************************************************
*=P01581  JLH  09/30/81  STR#11111 CSUPSY
*
*  INCREASE I/O THRESHOLD AS REQUIRED
*****************************************************************
MPI     PF=@IMAGE,MT=OV,MN=@DSR,ADDR=@DSR3270+>0444,
        V=>0600,D=>0F00,C=>0F00
EC
*$
*****************************************************************
*=P01582 JLH  12/04/81  STR#11112  LCBSCI
*
* THE 3270 LINE CONTROL MAY REPORT INCORRECTLY REPORT WRITE
* REQUESTS AS COMPLETE WITH RVI ERROR WHEN NO ERROR WAS
* ACTUALLY PRESENT.
*****************************************************************
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0A4C", !SET RVI RECEIVED
        V=(04E1,0C),D=(0721,06),C=0727
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0A56",
        V=(06A0,"@LCBSCI+0158",04E1,06),
        D=(06A0,"@D$$PAT",01000,01000)
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@D$$PAT",      !CALL XMTRVI ONLY
        V=(0DEAD,0DEAD,0DEAD,0DEAD,0DEAD,0DEAD),    !IF RVI RECEIVED
        D=(0C261,06,01302,0460,"@LCBSCI+0158",045B)
EC
.EVAL   D$$PAT="@D$$PAT+0C"
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0598",
        V=(04E1,0C),D=(06A0,"@D$$PAT")
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@D$$PAT",      !CLEAR SAVERR AND
        V=(0DEAD,0DEAD,0DEAD,0DEAD,0DEAD),          !RVIFLG ON FST BLK
        D=(04E1,0C,04E1,06,045B)
EC
.EVAL   D$$PAT="@D$$PAT+0A"
*$
*****************************************************************
*=P01583 JLH  12/09/81  STR=11113  LCBSCI
*
* THE 3270 LINE CONTROL DOES NOT CORRECTLY INITIALIZE ALL
* STATIONS TO DISABLED AT OPEN TIME.  THIS MAY CAUSE IT TO
* POSITIVELY REPOND TO SELECTS WHEN THE STATION IS IN FACT
* NOT VALID.
*****************************************************************
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+04D2", !INIT ALL STATIONS
        V=08000,D=080,C=080                          !AS DISABLED.
EC
*$
```

```
*****************************************************************
*=P01584 JLH  12/10/81  STR=11114  LCBSCI
*
* THE 3270 LINE CONTROL MAY DESTROY THE MAXIMUM STATIONS
* VALUE IN THE LINE CONTROL TABLE.
*****************************************************************
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0656", !CORRECT REGISTER
        V=04E8,D=04E4,C=04E4                        !USAGE FROM 8 TO 4
EC
*$
*****************************************************************
*=P01585 JACKH 12/10/81  STR=11115  LCBSCI
*
* THE 3270 LINE CONTROL REPORTS RVI TO TASK ON RECEIPT OF
* READ MODIFIED EVEN THOUGH HE COULD HANDLE IT HIMSELF.
*****************************************************************
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+09C0", !SKIP RVI REPORTING
        V=>1002,D=>1004,C=>1004
EC
*$
*****************************************************************
*=P01586 JLH  12/11/81  STR=11116  LCBSCI
*
* THE 3270 LINE CONTROL WILL REPORT TRANSMITS COMPLETE WITH
* RVI EVEN THOUGH THE COMMAND RECEIVED IS A READ MODIFIED
* WHICH WILL IMMEDIATELY CAUSE THE TRANSMISSION OF THE DATA.
*****************************************************************
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0AEC", !
        V=(06A0,"@LCBSCI+03E8",0C1C7),
        D=(0460,"@D$$PAT",0C082)
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@D$$PAT",      !REPORT RCVS
        V=(0DEAD,0DEAD,0DEAD,0DEAD,0DEAD),          !
        D=(06A0,"@LCBSCI+03E8",0C261,06,01302)      !
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@D$$PAT+0A",   !REPORT XMITS
        V=(0DEAD,0DEAD,0DEAD,0DEAD),                !ONLY IF
        D=(06A0,"@LCBSCI+0158",0460,"@LCBSCI+0AF0") !RVIFLG SET
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0B0C", !CHANGE TO
        V=0C1C7,D=0C082,C=0C082                     !R2 USAGE
EC
.EVAL   D$$PAT="@D$$PAT+012"
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0ADE", !CHANGE TO
        V=0707,D=0702,C=0702                        !R2 USAGE
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0AC6", !CHANGE TO
        V=0587,D=0582,C=0582                        !R2 USAGE
EC
MPI     PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0A8E", !CHANGE TO
```

```
       V=04C7,D=04C2,C=04C2                                  !R2 USAGE
EC
MPI    PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+0A4A", !
       V=01305,D=01309,C=01309                               !HOLD XMITS
EC
*$
*************************************************************
*=P01587 JLH  12/11/81  STR=11117  LCBSCI
*
* THE 3270 LINE CONTROL DELAYS ONLY ONE SECOND BEFORE
* TRANSMITTING AN ENQ OR NAK TO KILL TIME WHEN THE TASK
* HAS NOT PROVIDED TRANSMIT DATA.
*************************************************************
MPI    PF=IMAGE,MT=OV,MN=@DSR,ADDR="@LCBSCI+017E", !CHANGE
       V=0500,D=0800,C=0800
EC
*$
*************************************************************
*=P01588 JLH  12/11/81  STR=11118  CDBSCI
*
* THE 3270 CHARACTER DETECT TERMINATES A RECEIVE BLOCK WITH
* THE RECEPTION OF A PAD (>FF) CHARACTER.  CERTAIN 327X CMDS
* MAY INCLUDE A PAD AS A DATA CHARACTER.
*************************************************************
.IF    @CDBSCI,NE,"NONE"
MPI    PF=IMAGE,MT=OV,MN=@DSR,ADDR="@CDBSCI+01DA", !SKIP
       V=028A,D=01002,C=01002                                !PAD TEST
EC
MPI    PF=IMAGE,MT=OV,MN=@DSR,ADDR="@CDBSCI+027A", !SKIP
       V=028A,D=01002,C=01002                                !PAD TEST
EC
.ENDIF
*$
*************************************************************
* THIS ENDS THE PATCHES WHICH ARE PART OF DX10 ICS R2.0.0
*************************************************************
*    INSERT NEW PATCHES HERE
*************************************************************
*
*$
*
.IF @$E$C,NE,"0"
   .EVAL $E$PCS="@$E$PCS+1"
.ENDIF
.SYN DCMON="@DSR",DSRCMON="@DSR3270"
.SYN CDBSCI="",LCBSCI="",MSBSCI=""
.SYN DSRPAT="",D$$PAT=""
* ASSIGN $PROT TO PROTOCOL NAME FOR COMMON, "DPTCMON" PATCHES
.SYN $PROT="3270"
CM MSG = "@$E$C ERRORS IN PATCH STREAM @$CLST.DPT3270"
```

EBATCH

2.5 PSC Runtime Patches

The following contains all known patches to the PSC subroutines as of February 15, 1982:

```
**************************************************************************
*  THIS BATCH STREAM PATCHES THE DX10 ICS 3270 REL 2.0 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
*              $CVN               EMULATOR OBJECT PATHNAME
*              $CPGF              PSC USER PROGRAM FILE
*              $CTN               PSC USER TASK NAME
*              $CMAP              PSC USER LINKMAP PATHNAME
*              $CLST              LISTING ACCESS NAME
**************************************************************************
BATCH LS=YES
#SYN T1,IC$OPN
#SYN T1,PSCPAT
#SYN T1,ICSOPN
.SYN T1 = ""
**************************************************************************
*   IF THE VALUE OF THE SYNONYM "IC$OPN" = "NONE" THEN THE PSC RUNTIME
*   MODULES HAVE BEEN EXPLICITLY INCLUDED IN THE PSC USER TASK
*   LINKSTREAM. OTHERWISE, IF THE VALUE OF THE SYNONYM "PSCPAT" = "NONE"
*   THEN THE USER DID NOT EXPLICITLY INCLUDE PSC RUNTIME MODULES BUT LET
*   THE LINK EDITOR FIND THE PSC RUNTIME MODULES IN THE EMULATOR OBJECT
*   LIBRARY. NOTE WHEN USER TASK IS WRITTEN IN FORTRAN OR PASCAL LANGUAGES
*   THAT THE MODULE "IFSOPN" IS PLACED BEFORE "IC$OPN" IF ONLY THE
*   EMULATOR OBJECT LIBRARY IS SPECIFIED IN THE PSC USER TASK LINKSTREAM.
*   REFERENCES TO SPECFIC MODULES CAN BE MADE DIRECTLY WHEN THE PSC
*   MODULE HAS BEEN EXPLICITLY INCLUDED IN THE LINKSTREAM. OTHERWISE,
*   REFERENCES MUST BE CALCULATED AS A FIXED OFFSET BASED ON THE PAR-
*   TIALLY LINKED MODULE "IC$OPN".
**************************************************************************
.IF "@IC$OPN",EQ,"NONE"
  .IF "@PSCPAT",EQ,"NONE"
*
*   THIS CAN HAPPEN IF THE USER HAS EXPLICITLY INCLUDED EACH PSC RUNTIME
*   MODULE BUT FAILED TO INCLUDE (PSCPAT) MODULE FOR PATCH AREA
```

```
*
   CM MSG="FATAL ERROR IN @$CLST"
   EBATCH TEXT="NO PSC PATCH MODULE IN LINK CONTROL FILE",CODE=1
  .ENDIF
.ELSE
  .SYN PSCPAT ="@IC$OPN"
.ENDIF
.IF "@ICSOPN",EQ,"NONE"    !PARTIALLY LINKED PSC RUNTIME INCLUDED
   .EVAL ICSOPN=@PSCPAT+>04E0
   .EVAL IPCSUB=@PSCPAT+>06F6
   .EVAL THCONS=@PSCPAT+>0A6E
   .EVAL ICSCLS=@PSCPAT+>02C6
.ENDIF
*******************************************************************************
*
*=P01578 LTY  12/07/81  STR #011108  DX10 3270 ICS 2.0 PSC.ICSOPN
*
*  THIS PATCH WILL PASS THE SELECTED CTLRID AND DEVID BACK TO USER OPEN
*  PARMS AFTER AN AUTO SELECT OPTION.
*                                    PSCPAT PATCH (>0000 - >0014)
*******************************************************************************
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADR=@ICSOPN+>013E,
  V=>DB2C,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADR=@ICSOPN+>0140,
  V=>006F,D=@PSCPAT,C=@PSCPAT
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADR=@PSCPAT,
  V=(>0000,>0000,>0000),
  D=(>DB2C,>006F,>005E),
  C=>DB1D
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADR=@PSCPAT+>0006,
  V=(>0000,>0000,>0000,>0000),
  D=(>C06A,>0000,>CC6C,>0072),
  C=>0C74
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>000E,
  V=(>0000,>0000,>0000),
  D=(>C46C,>0074,>0460),
  C=>C078
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADR=@PSCPAT+>0014,
  V=>0000,D=@ICSOPN+>0144,C=@ICSOPN+>0144
EC
*$
*******************************************************************************
*=P01579  ERM  12/21/81   STR#011109  DX10 3270 ICS 2.0  IPCSUB
*
*     PSC RUNTIME SHOULD RETRY WHEN AN ITC READ SVC RETURNS AN
```

```
*      ERROR INDICATING EMPTY QUEUE INSTEAD OF INDEFINITELY
*      LOOPING ON ITC READ.
*                                        PSCPAT PATCH (>0016 - >0034)
*********************************************************************
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@IPCSUB+>0084,
  V=>CB01,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@IPCSUB+>0086,
  V=>0028,D=@PSCPAT+>0016,C=@PSCPAT+>0016
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0016,
  V=>0000,D=>CB20,C=>CB20
*EC     SHOULD BE DB20, FIX IS IN PATCH #1649, INCREASE RETRY COUNT FOR
*       TIMEOUT
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0018,
  V=>0000,D=@THCONS+>0002,C=@THCONS+>0002
*EC     FIX IS IN PATCH #1649 TO INCREASE RETRY COUNT FOR TIMEOUT
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>001A,
  V=>0000,D=>001E,C=>001E
*EC     FIX IS IN PATCH #1649 TO INCREASE RETRY COUNT FOR TIMEOUT
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>001C,
  V=(>0000,>0000,>0000),
  D=(>CB01,>0028,>0460),
  C=>CF49
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0022,
  V=>0000,D=@IPCSUB+>0088,C=@IPCSUB+>0088
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@IPCSUB+>009E,
  V=>2FEC,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@IPCSUB+>00A0,
  V=>0068,D=@PSCPAT+>0024,C=@PSCPAT+>0024
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0024,
  V=(>0000,>0000,>0000,>0000),
  D=(>062C,>001E,>1304,>2FEC),
  C=>3ADA
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>002C,
  V=(>0000,>0000),
  D=(>0068,>0460),
  C=>0408
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0030,
  V=>0000,D=@IPCSUB+>00A2,C=@IPCSUB+>00A2
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0032,
  V=>0000,D=>0460,C=>0460
EC
```

```
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0034,
  V=>0000,D=@IPCSUB+>00A4,C=@IPCSUB+>00A4
EC
*$
*******************************************************************************
*
*=P01580 LTY  12/22/81  STR #011110  DX10 3270 ICS 2.0 PSC.ICSCLS
*
*  CLEAR BOTH SEND MSG Q AND RECV MSG Q WHEN EXIT FROM ICSCLS.
*
*                                    PSCPAT PATCH (>0036 - >0050)
*******************************************************************************
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@ICSCLS+>006A,
  V=>C06A,D=>0460,C=>0460
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@ICSCLS+>006C,
  V=>0004,D=@PSCPAT+>0036,C=@PSCPAT+>0036
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0036,
  V=(>0000,>0000,>0000),D=(>D06C,>004F,>06A0),C=>D683
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>003C,
  V=>0000,D=@IPCSUB+>002E,C=@IPCSUB+>002E
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>003E,
  V=>0000,D=@ICSCLS+>0068,C=@ICSCLS+>0068
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0040,
  V=(>0000,>0000,>0000),D=(>D06C,>005E,>06A0),C=>D692
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0046,
  V=>0000,D=@IPCSUB+>002E,C=@IPCSUB+>002E
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0048,
  V=>0000,D=@ICSCLS+>0068,C=@ICSCLS+>0068
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>004A,
  V=(>0000,>0000,>0000),D=(>C06A,>0004,>0460),C=>C40E
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0050,
  V=>0000,D=@ICSCLS+>006E,C=@ICSCLS+>006E
EC
*$
*******************************************************************************
*
*=P01649 LTY  02/15/82  STR #------  DX10 3270 ICS 2.0 PSC.ICSCLS
*  CLEAR BOTH SEND MSG Q AND RECV MSG Q WHEN EXIT FROM ICSCLS.
*                                          (NO PATCH AREA BEEN USED)
*******************************************************************************
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0016,
```

```
  V=>CB20,D=>DB20,C=>DB20
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>0018,
  V=@THCONS+>0002,D=@THCONS+>0010,C=@THCONS+>0010
EC
MPI PF=@$CPGF,MT=TA,MN=@$CTN,ADDR=@PSCPAT+>001A,
  V=>001E,D=>001F,C=>001F
EC
*
*$
*
*********************************************************************
*  NEXT AVAILABLE PATCH LOCATION=@PSCPAT+>0052
*********************************************************************
.SYN ICSCLS="",ICSOPN="",IPCSUB="",PSCPAT="",THCONS="",IC$OPN=""
CM MSG="@$E$C ERRORS IN PATCH STREAM @$CLST"
EBATCH
```

SECTION 3

Interactive Programmed Station Control Utility

A utility program is available from TI-MIX, the TI user's group, called Interactive Programmed Station Control (IPSC), which is very useful in developing PSC applications. It is a menu-driven application which allows you to call any of the PSC subroutines with parameters that are specified interactively, and to visually inspect the results. It is highly recommended for both experienced and inexperienced PSC programmers.