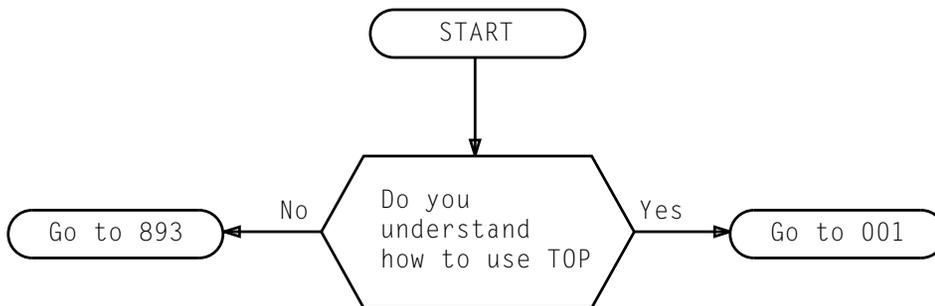




Task Oriented Practice (TOP)

4ESS™ Switch With 1B Processor XTSI Release 2 Software Update



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FIND YOUR JOB IN THE LIST BELOW THEN GO TO

Acceptance	NTP-002
Perform Software Update on Operational XTSI Release 2 Cabinets	NTP-003

TASK INDEX LIST

Acceptance tests are not required for verification of the growth procedures contained in this volume. The readiness of a frame or unit to become a part of the operating system is established by the successful completion of the particular growth procedure in its entirety.

ACCEPTANCE

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DO THE ITEMS BELOW IN THE ORDER LISTED FOR DETAILS, GO TO

		RESPONSIBILITY	
	<p>NOTES: 1. If coordinated updates are required between 1B Processor and XTSI, this procedure must be only performed first 2. This procedure must be only performed on a Release 2 XTSI 3. This procedure is to be performed for one equipped XTSI at a time; and then repeated for each XTSI in office 4. Appropriate Input/Output manuals must be used if clarification of input message or output message is necessary 5. This procedure must be performed during light traffic periods 6. 4ESS™ switch operation must be closely monitored while performing this procedure 7. Corrective action must be taken immediately on any activity that may cause any unit to go out of service (OOS) 8. Stability of office must be maintained throughout this procedure</p>		
1	Ensure BWM Containing New XTSI Software Is Applied and Permed	TELCO	—
2	If AIMS Terminal Is Going To Be Used To Enter Input Messages, Load UPDXTSI.1 Command File Into Terminal	TELCO	DLP-500
3	Notify Next Higher Technical Support Group That XTSI Software Update Is Being Performed. Request Information To Complete Items 4 Through 6	TELCO	—
4	Ensure 1B Procesor Has Not Experienced any Terminal Suspends, Bootstraps, Diagnostic Failures, or Overloads Within Last 24 Hours	TELCO	—
5	Ensure 4ESS Switch Is in Stable Condition	TELCO	DLP-501
6	Ensure Any 1B Processor and/or System Problems Have Been Cleared Before Performing This Procedure	TELCO	—
7	Ensure 3B, 1B Processor, and Peripheral Units Are Operating in Normal Duplex Mode	TELCO	DLP-502
8	At 3B MCRT, Verify XTSI Files Stored in 3B Computer	TELCO	DLP-503
9	Enter Message INH:DMQ;SRC REX! To Inhibit REX	TELCO	—
10	At 1B MTC Terminal, Enter Message INH:MACLI,CLASS MTCE;REX! To Inhibit REX; Ensure REPT:MACLI,CLASS MTCE INHIBITED and AUTOMATIC JOB SCHEDULING DISALLOWED Messages Are Received	TELCO	—
	(Continued on Page 2)		

DO THE ITEMS BELOW IN THE ORDER LISTED FOR DETAILS, GO TO

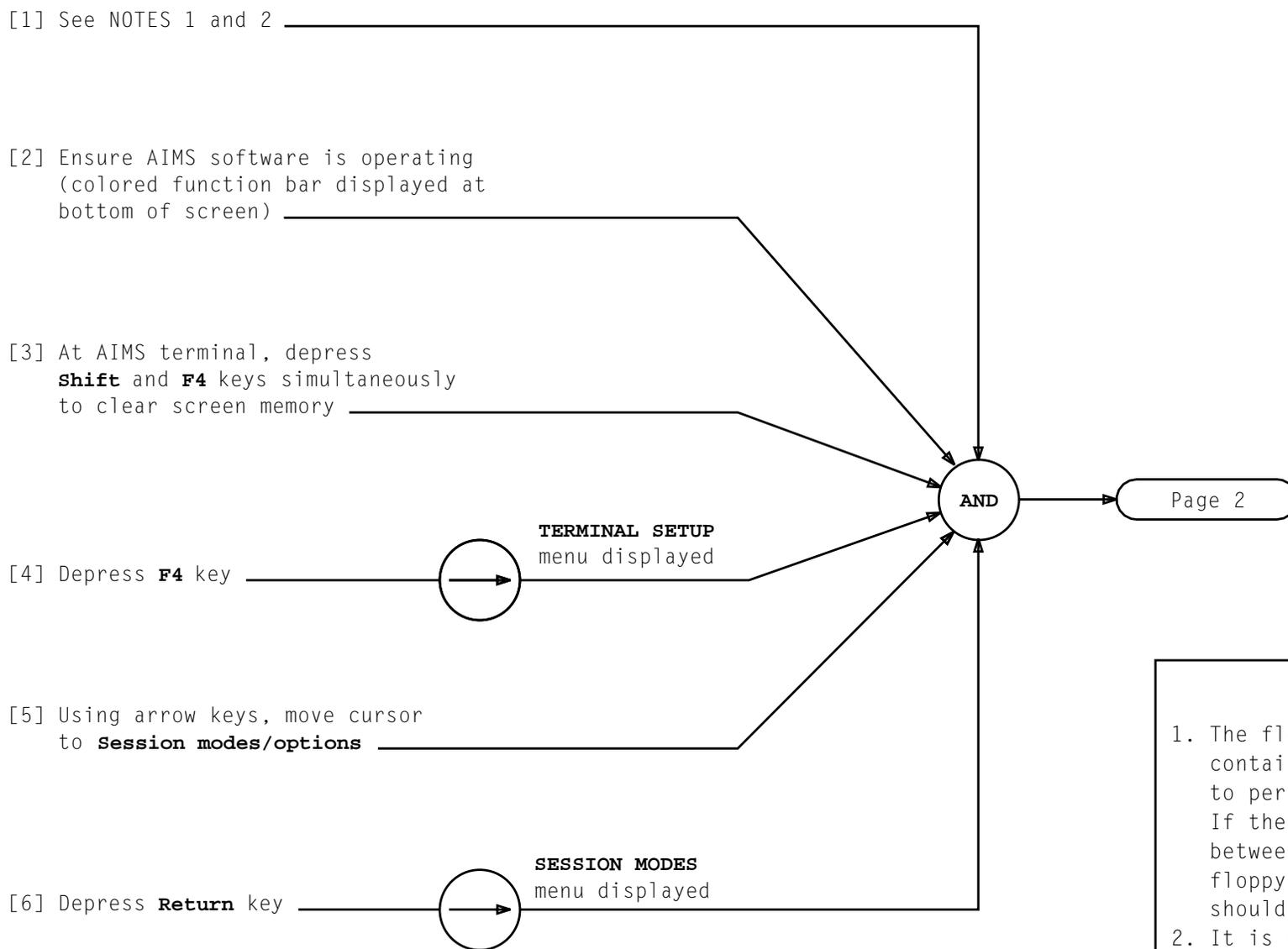
11	Enter Message STOP:TEST;PUSYS! To Stop Peripheral System Tests; Ensure OK Message Is Received	TELCO	-
12	Verify XTSI UT Translator (Even Growth XTSI Member Number) (VER:UTYPE:XTSI a!)	TELCO	DLP-504
13	Verify Software Versions and D3U and SPU (if Equipped) Equipage (VER:VFUNC SUXTSI:FD1 XTSIMEMN,DT1 a!)	TELCO	DLP-505
14	At 1B MTC Terminal, Copy Current XTSI Files in Case Backout Is Required	TELCO	DLP-506
15	Recent Change and Verify Software Version to 1 for Controllers, D3Us, and SPUs, if Equipped	TELCO	DLP-507
16	Wait for 15-Minute Report and Verify No Problems Are Present From Software That Was Copied. If Problems Are Encountered, Software Version Must Be Changed Back to 0. Do Not Continue if Software Version Is Changed Back to 0	TELCO	DLP-508
17	Copy New XTSI System Files From 3B Computer to Both XTSI CIA Packs (Version/Location 0 within CIA)	TELCO	DLP-509
18	Verify XTSI System Files Were Copied Properly	TELCO	DLP-510
	NOTES: 1. D3Us should be updated in following D3U order: 0, 1, 2, 3, 4, 5, 6, and 7 2. Protection-switch D3Us are used temporarily to handle their respective traffic while client D3Us are updated		
19	Update One Operational D3U in XTSI Being Updated (UPD:XTSI a,D3U b,SVN 0!)	TELCO	DLP-511
20	Repeat Item 19 for Each Operational D3U (1, 2, 3, 4, 5, 6, 7)	TELCO	-
21	If XTSI Being Updated Is Equipped With SPUs, Perform Items 22 and 23; Otherwise, Go to Item 24	TELCO	-
	NOTES: 1. SPUs should be updated in following SPU order: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 2. Protection-switch SPUs are used temporarily to handle their respective traffic while client SPUs are updated		
22	Update One Operational SPU in XTSI Being Updated (UPD:XTSI a,SPU b,SVN 0!)	TELCO	DLP-513
23	Repeat Item 22 for Each Operational SPU (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11)	TELCO	-
24	Update Controllers 0 and 1 in XTSI Being Updated (UPD:XTSI a,XTC,SVN 0!)	TELCO	DLP-512
	(Continued on Page 3)		

DO THE ITEMS BELOW IN THE ORDER LISTED FOR DETAILS, GO TO

25	At 1B MTC Terminal, Enter Message <code>OP:00SUNITS!</code> and Ensure XTSI Being Updated Is Not Listed	TELCO	-
26	Request Next Higher Support Organization To Determine if Soak Interval Is Required. Proceed as Directed by Next Higher Technical Support Group	TELCO	-
27	Recent Change and Verify Software Version to 0 for Controllers, D3Us, and SPUs, if Equipped	TELCO	DLP-508
28	Safe Point To Temporarily Stop This Procedure. If Stopping, Perform Items 29 Through 32; Otherwise, Go to Item 39	TELCO	-
29	At 3B MCRT, Enter Message <code>ALW:DMQ;SRC REX!</code> To Allow 3B REX	TELCO	-
30	At 1B MTC Terminal, Enter Message <code>ALW:MACLI,CLASS MTCE!</code> To Allow REX	TELCO	-
31	If AIMS Terminal Is Being Used To Enter Input Messages, Remove Floppy Disk From AIMS Terminal and Store per Local Practice	TELCO	-
32	Stop Procedure for Now. Continue at Item 33 When Resuming	TELCO	-
33	If AIMS Terminal Is Being Used To Enter Input Messages, Load <code>UPDXTSI.1</code> Command File Into Terminal	TELCO	DLP-500
34	At 1B MTC Terminal, Enter Message <code>INH:MACLI,CLASS MTCE;REX!</code> To Inhibit REX; Ensure <code>REPT:MACLI,CLASS MTCE INHIBITED</code> and <code>AUTOMATIC JOB SCHEDULING DISALLOWED</code> Messages Are Received	TELCO	-
35	Enter Message <code>STOP:TEST;PUSYS!</code> To Stop Peripheral System Tests; Ensure OK Message Is Received	TELCO	-
36	At 3B MCRT, Enter Message <code>INH:DMQ;SRC REX!</code> To Allow 3B REX	TELCO	-
37	Request Next Higher Technical Support Group To Ensure 1B Processor Has Not Experienced Any Terminal Suspends, Bootstraps, Diagnostic Failures, or Overloads Within Last 24 Hours	TELCO	-
38	Ensure 3B, 1B Processor, and Peripheral Units Are Operating in Normal Duplex Mode	TELCO	DLP-502
39	Repeat Items 12 Through 28 for Each Operational XTSI	TELCO	-
40	At 3B MCRT, Determine if Diagnostic Software Was Changed During This Update and if the Diagnostics Were Changed, Determine Which Unit Type Diagnostic Was Affected (Controller, D3U, and/or SPU) (<code>DUMP:FILE:ALL, FN"/etc/bwm/AAAx-xxxx/SCANS"!</code>)	TELCO	DLP-514
	(Continued on Page 4)		

DO THE ITEMS BELOW IN THE ORDER LISTED FOR DETAILS, GO TO

41	If Controller, D3U, and/or SPU Diagnostic Software Was Changed, Perform Item 42; Otherwise, Go to Item 43	TELCO	-
42	At 1B MTC Terminal, Diagnose Unit Type(s) That Was Affected by Diagnostic Software Changes (Controllers, D3Us, and/or SPUs) Using Restore Message	TELCO	DLP-515
43	At 1B MTC Terminal, Enter Message ALW:MACLI,CLASS MTCE! To Allow REX	TELCO	-
44	At 3B MCRT, Enter Message ALW:DMQ;SRC REX! To Allow 3B REX	TELCO	-

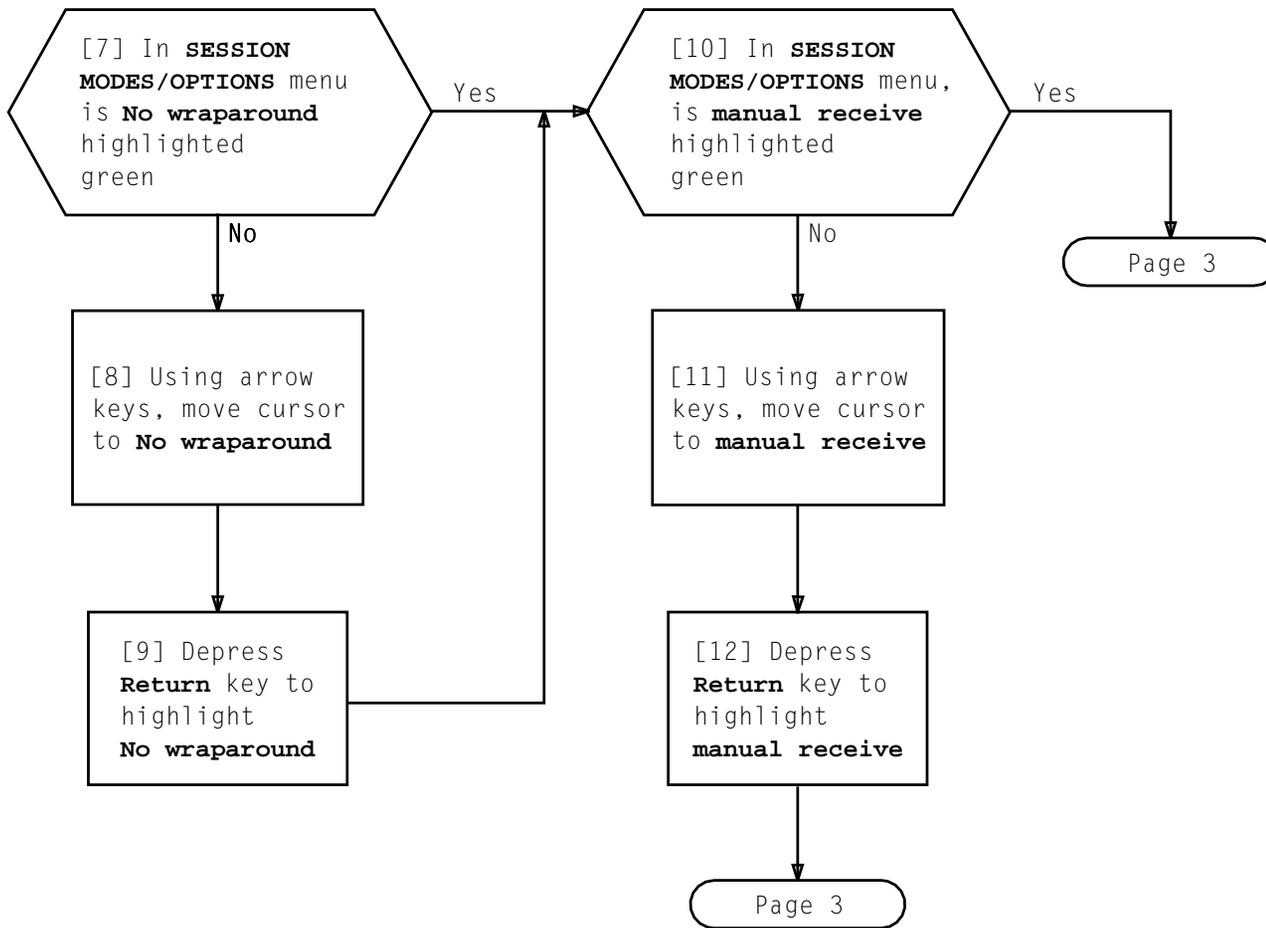


NOTES

1. The floppy to be loaded contains the input messages to perform software update. If there is a discrepancy between the messages on the floppy and this TOP, this TOP should be followed
2. It is recommended to use an AIMS terminal assigned to SREC1 channel

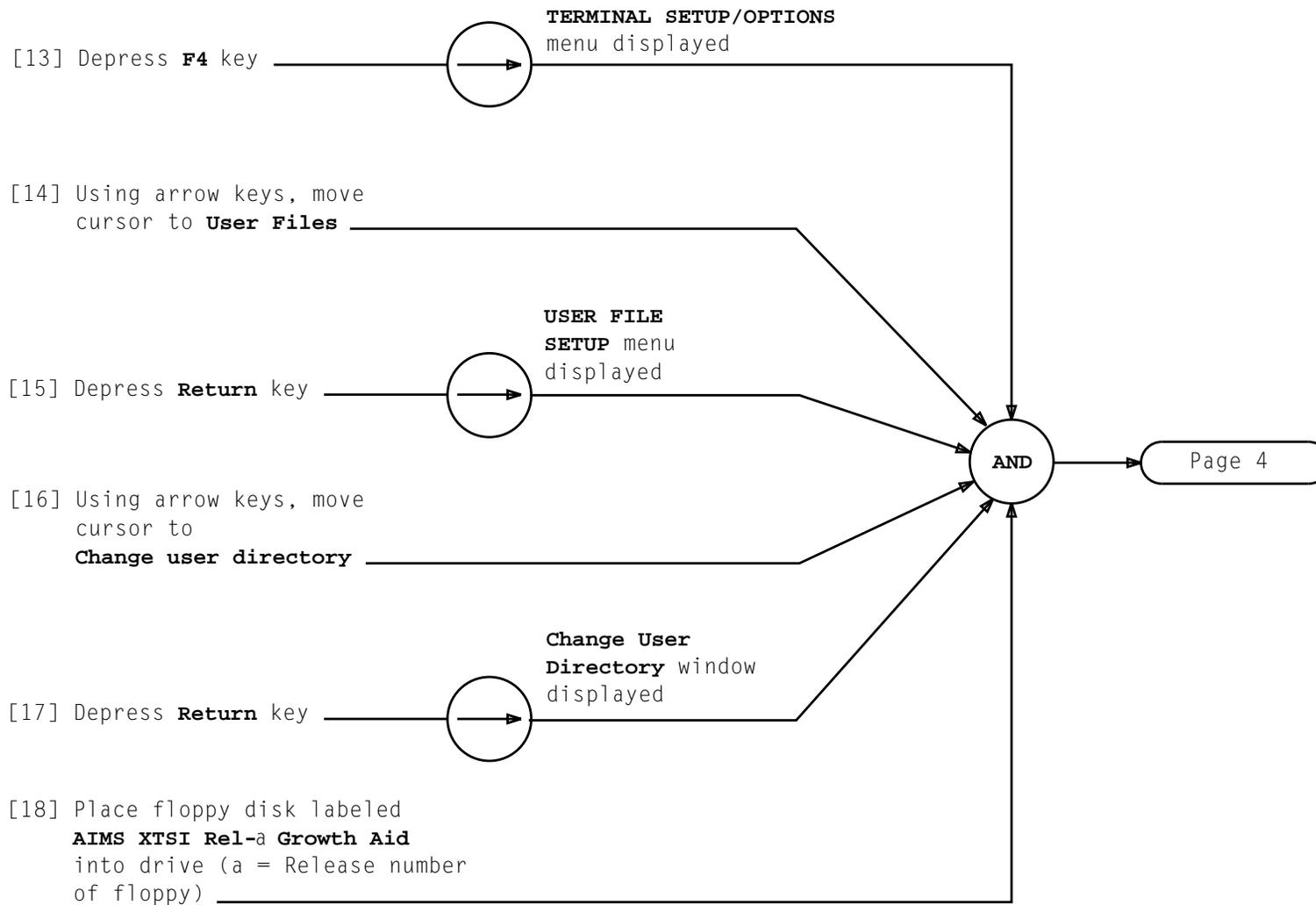
SET UP AIMS TERMINAL AND LOAD COMMAND FILES

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SET UP AIMS TERMINAL AND LOAD COMMAND FILES

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SET UP AIMS TERMINAL AND LOAD COMMAND FILES

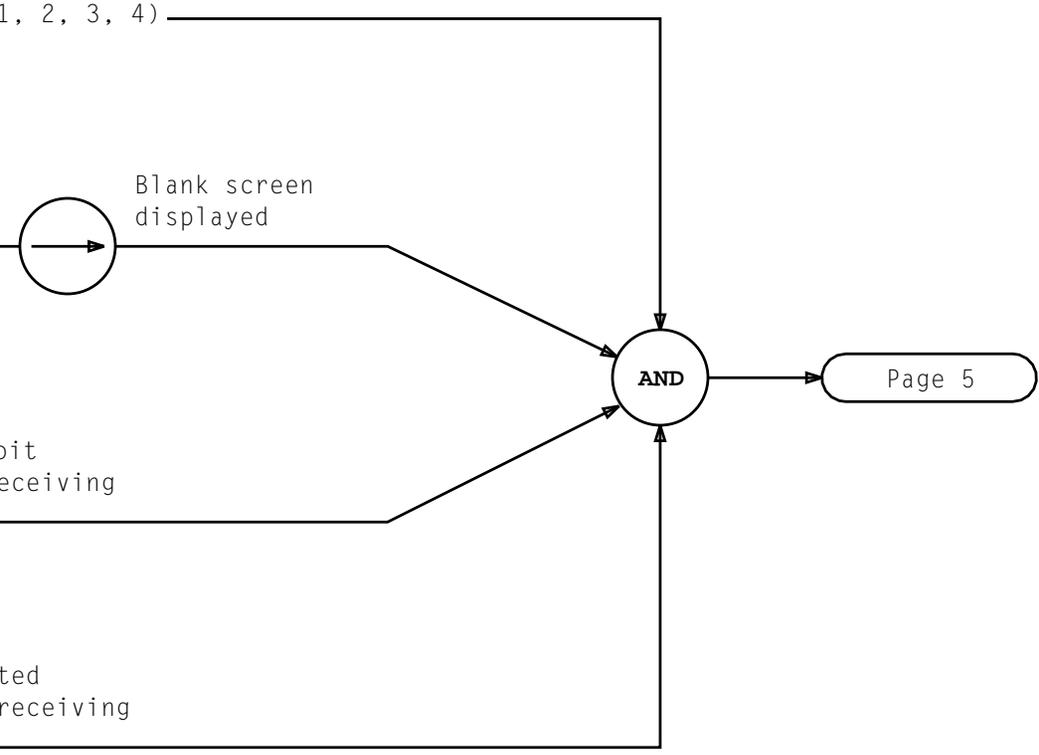
[19] In **Change User Directory** window,
 type and enter A:ExxRy or B:ExxRy
 (drive that will accept AIMS
 floppy disks)
 xx = office generic (21, 22)
 y = generic release (1, 2, 3, 4)

[20] Depress **F4** key
 twice

Blank screen
 displayed

[21] Depress **F8** key to inhibit
 terminal screen from receiving
 output

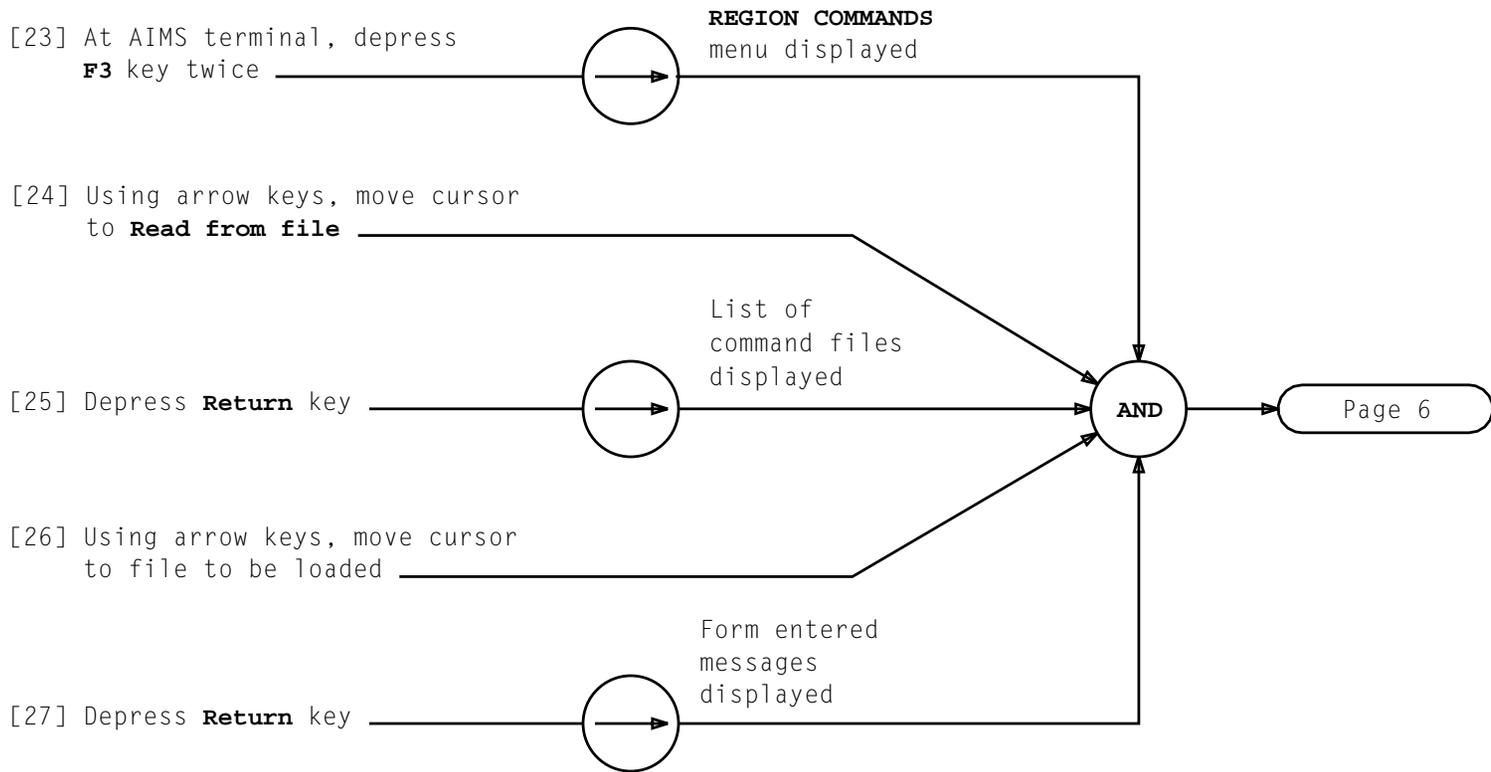
[22] Ensure printer associated
 with AIMS terminal is receiving
 output [NOTE 2]



NOTE 2
 No output will
 be received on
 terminal display.
 All output will
 be observed on
 the printer

SET UP AIMS TERMINAL AND LOAD COMMAND FILES

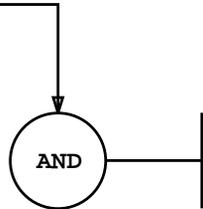
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SET UP AIMS TERMINAL AND LOAD COMMAND FILES

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[28] See CAUTION 1



[29] See TABLE A for running command list from AIMS terminal

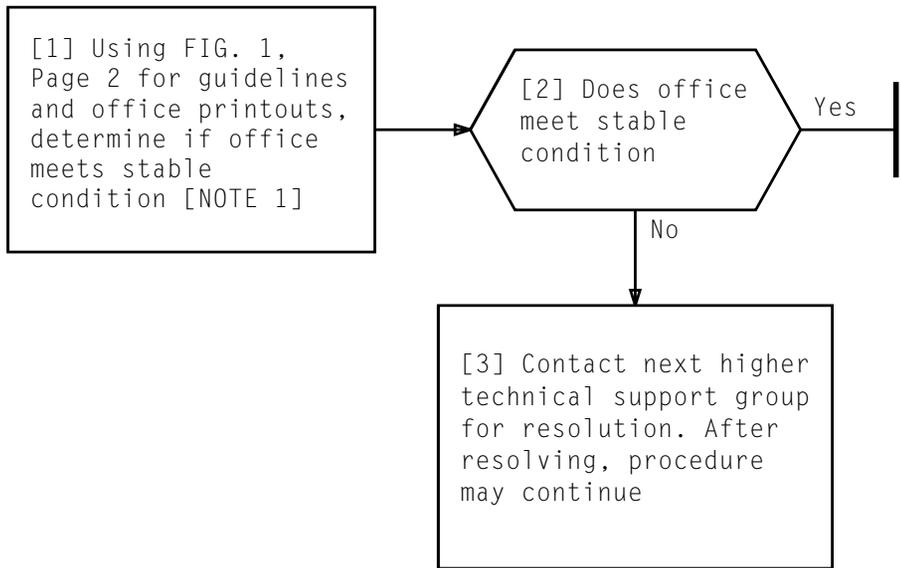
TABLE A

A.	All portions of command list are in green except variables which are shown in white
B.	Use Tab key to jump to variable
C.	Only update variable(s) in command to be entered
D.	After filling in variable(s), depress Shift and Return keys simultaneously to get cursor to beginning of line
E.	Use arrow keys to go to line that is desired
F.	After entering command, cursor will stop at end of command just inputted
G.	Output must be observed on printer associated with AIMS terminal
H.	Observe output on printer to determine if command was accepted or blocked (needing to be sent again)
I.	When all commands are completed, depress Shift and Return keys simultaneously to clear out screen memory
J.	OP:RCFORM a! message must not be entered when using AIMS terminal

CAUTION 1

You must ensure that cursor is on proper command before entering

SET UP AIMS TERMINAL AND LOAD COMMAND FILES



NOTE 1
 FIG. 1 is based on 7-day rolling average for all per-day measures; all other measures are as indicated. All resolved troubles are discounted from measures

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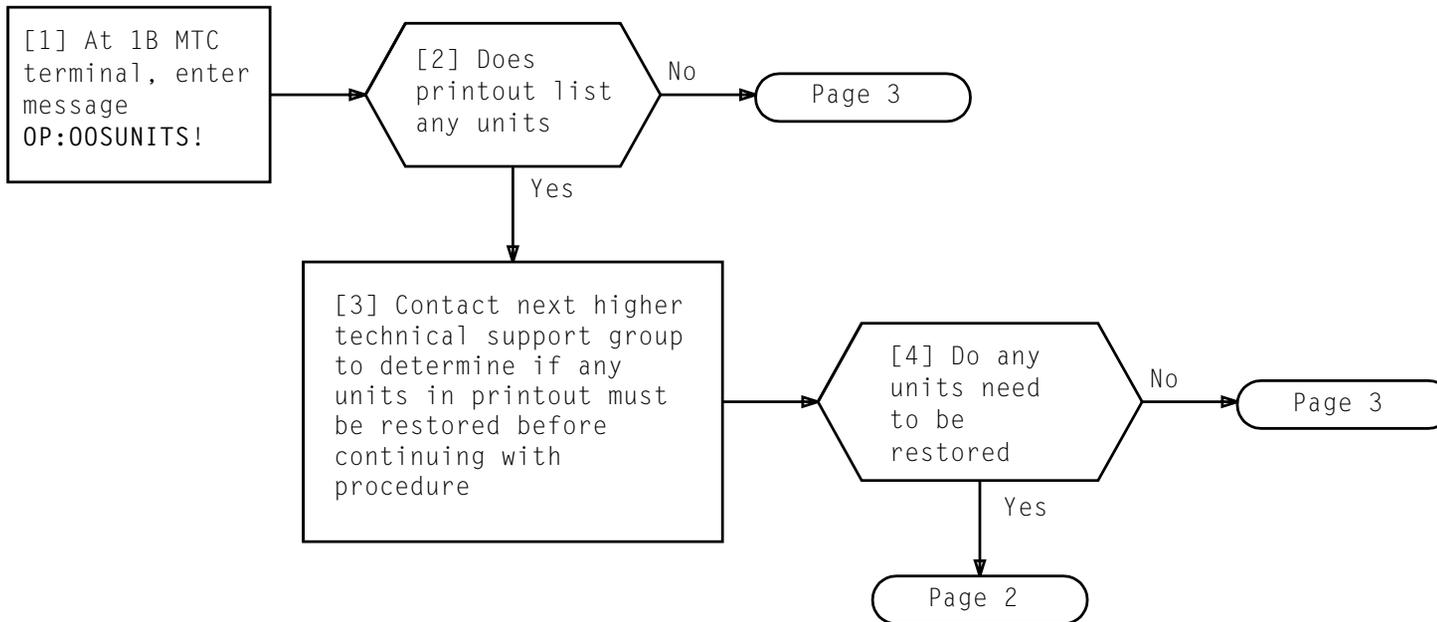
DETERMINE IF OFFICE IS STABLE

• INTERRUPTS	
1B PROCESSOR	≤ 1 PER MEMBER NUMBER PER DAY ≤ 3 PER DAY TOTAL
TMS, NC, PUB, IO, CCIS	≤ 2 PER MEMBER NUMBER PER DAY ≤ 4 PER DAY TOTAL
PERIPHERY, PER OPERATIONAL SP CORE (SP, DT, TSI, XTSI) OR DIF (DIF, TSI COMPLEX) (THE ALLOWABLE DAILY INTERRUPT COUNT SHALL NOT EXCEED 25, REGARDLESS OF OFFICE SIZE)	≤ 3 PER DAY
PBFRs	≤ 1 PER DAY
• INTERJECTS	≤ 2 PER MEMBER NUMBER PER DAY ≤ 5 PER DAY TOTAL
• BASE LEVEL	
ANALYZED, CORRECTED AND/OR UNDERSTOOD	
• PHASES/DUPLEX FAILURES	
DIRECTED PHASE 1	≤ 1 IN 2 WEEKS
SYSTEM PHASE 1	≤ 1 IN 1 WEEK
PHASE 2 OR 3	≤ 1 IN 4 WEEKS
DT, VIF, OR EST	≤ 1 IN 4 WEEKS
TGR/TER LINK PAIR	≤ 1 IN 2 WEEKS
• OUT-OF-SERVICE UNITS	
NUMBER OUT-OF-SERVICE	≤ 5 AT ANYTIME
CRITICAL UNITS:	
CC DIF PS TMSP	
CS LN PUB TSI	
CU NCLK SP XTSI	
• 3B COMPUTER	
INTERRUPTS	≤ 3 PER DAY
PHASE 1	≤ 1 IN 4 WEEKS
PHASE 2 OR 3	≤ 1 IN 4 WEEKS
CNI RING INIT	≤ 1 IN 2 WEEKS
CNI RING TRANSPORT ERRORS	≤ 2 PER DAY
DLNE ERRORS	≤ 1 PER DAY

FIG. 1 - Office Stability Guidelines

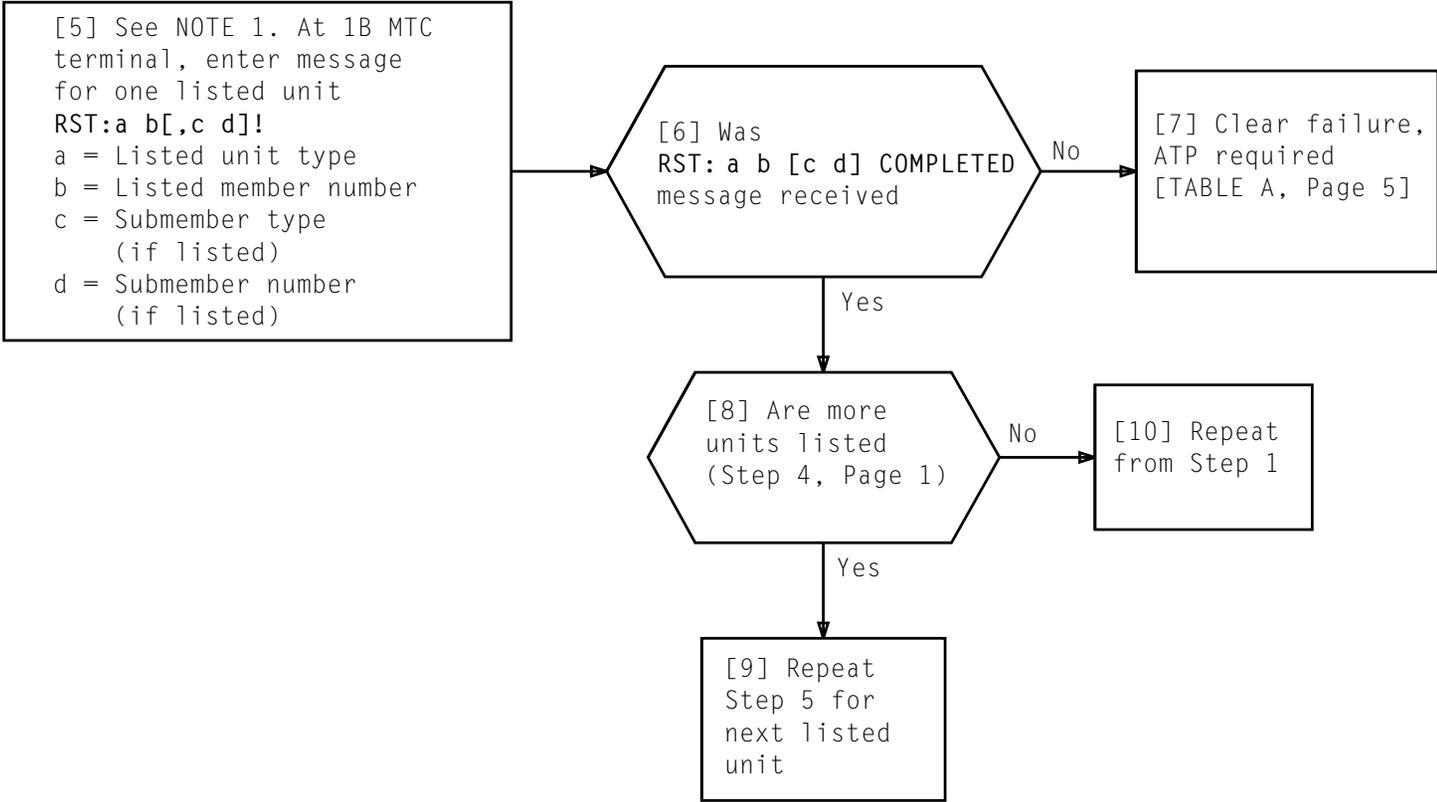
DETERMINE IF OFFICE IS STABLE

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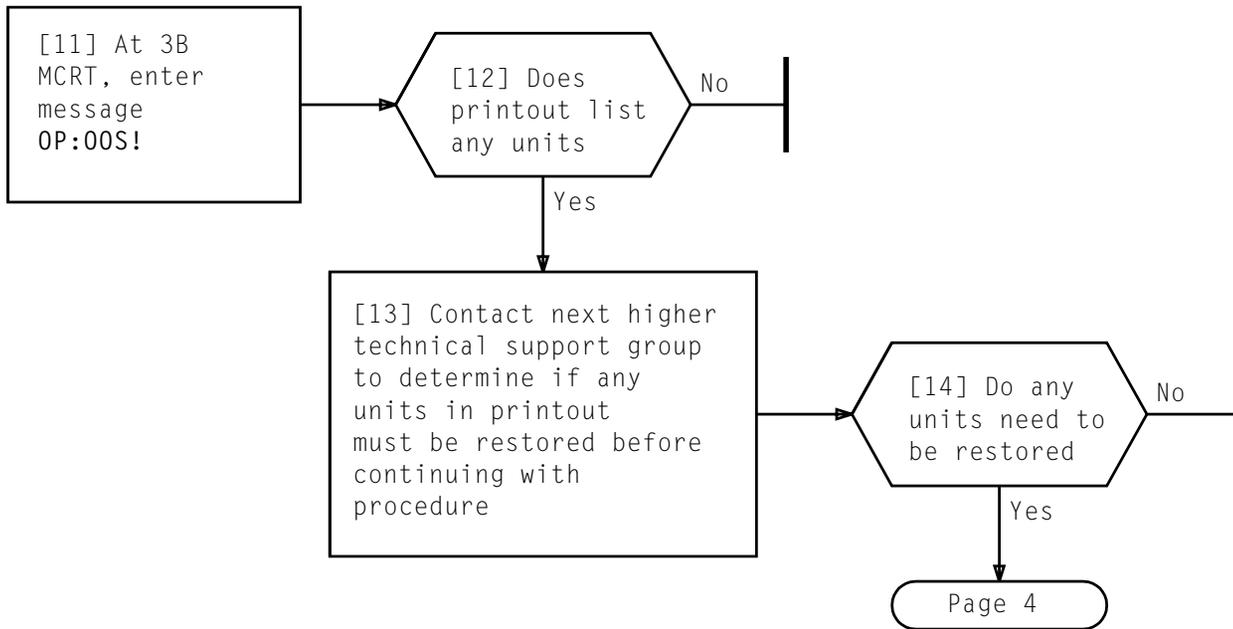
ENSURE ALL UNITS ARE IN-SERVICE

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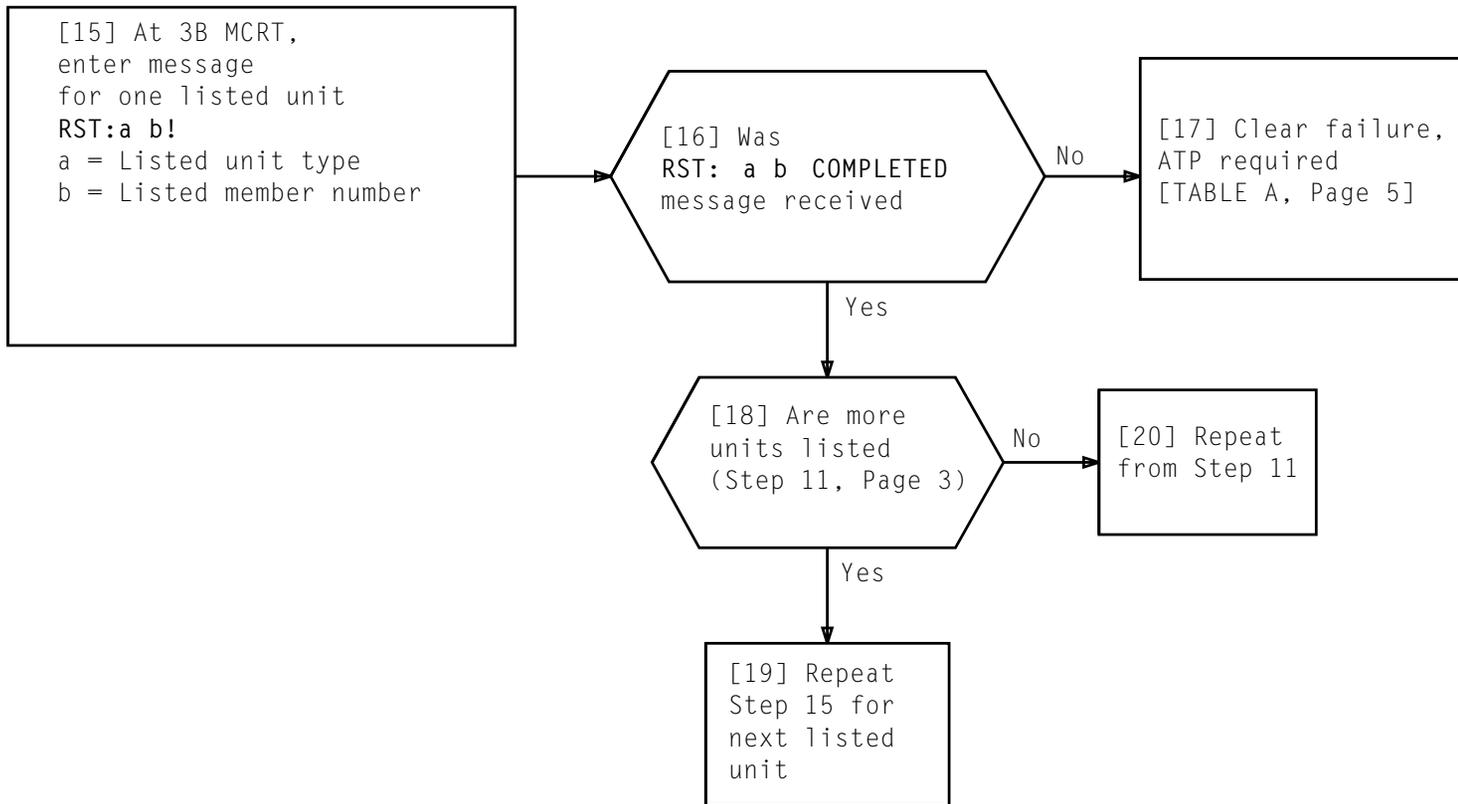
NOTE 1	
Variables c and d are only to be used if submember is listed	
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ENSURE ALL UNITS ARE IN-SERVICE



ENSURE ALL UNITS ARE IN-SERVICE

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ENSURE ALL UNITS ARE IN-SERVICE

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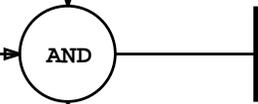
TABLE A			
UNIT TYPE	TROUBLE-CLEARING VOLUME	UNIT TYPE	TROUBLE-CLEARING VOLUME
1B Processor	234-351-004	MFS	234-151-041
3B Computer Model 1	254-301-812	MISC A, B, C	234-151-043
	254-301-813	NCLK	234-151-013
3B Computer Model 2/3	254-302-812	PCDF J5A007B	234-351-025
ADS (TUC and DUS)	234-351-010	PCDF J5A007C	234-351-026
API	234-351-016	PUBB	234-151-015
AUB	234-351-010	SCS	234-151-077
CNI	234-151-120	SP1	234-151-031
DIF	234-151-055	SP2	234-151-032
DT	234-151-045	TGR	234-151-033
EST	234-151-050	TMS	234-151-011
IO J5A006A	234-351-020	TSI	234-151-012
IO J5A006C	234-351-021	VIF	234-151-025
IO J5A006D	234-351-022	XTSI	234-351-011

ENSURE ALL UNITS ARE IN-SERVICE

[1] See NOTE 1. At 3B MCRT, enter message
EXC:ENVIR:UPROC,FN "/tools/prxtsihdrs"

[2] Using printout and FIG. 1, Page 2,
request next higher technical support
group to verify that latest XTSI
operating and diagnostic files are
3B computer memory

[3] Save printout for later use to verify
that XTSI subunits are running on
latest software



NOTE 1

This command will
take from 5 to 15
minutes to complete,
depending on
system call load

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VERIFY XTSI FILES STORED IN 3B COMPUTER

```

EXC ENVIR UPROC /tools/prxtsihdrs STARTED
File(s)      Hash Sums  Size      Header Date      Issue
xtsi/fdt/xfdtver0  0000 xxxx  0000 nnnn  CAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/fdt/xfdtver1  0000 xxxx  0000 nnnn  CAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/xtc/xoprver0  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/xtc/xoprver1  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/xtc/xdgnver0  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/xtc/xdgnver1  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nnC<nn>d.efg
xtsi/d3u/doprver0  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nnU<nn>d.efg
xtsi/d3u/doprver1  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nnU<nn>d.efg
xtsi/d3u/ddgnver0  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nnU<nn>d.efg
xtsi/d3u/ddgnver1  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nnU<nn>d.efg
xtsi/spu/soprver0  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nns<nn>d.efg
xtsi/spu/soprver1  0000 xxxx  0000 nnnn  OAnn/nn/nn nn:nn:nns<nn>d.efg
xtsi/spu/sdgnver0  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nns<nn>d.efg
xtsi/spu/sdgnver1  0000 xxxx  0000 nnnn  DAnn/nn/nn nn:nn:nns<nn>d.efg

```

EXC ENVIR UPROC /tools/prxtsihdrs COMPLETED SEGMENT 2

xxxx = Checksum/Hashsum value for file in hex

In Header Date Column:

C means FDT file

D means DGN file

O means OPR file

In Issue Column:

C means XTC subunit

U means D3U subunit

S means SPU

d.efg is file issue number

FIG. 1 - EXC:ENVIR:UPROC Sample Printout

[4] See entry output message and FIG. 1

[5] Examine third leftmost octal digit of word 0

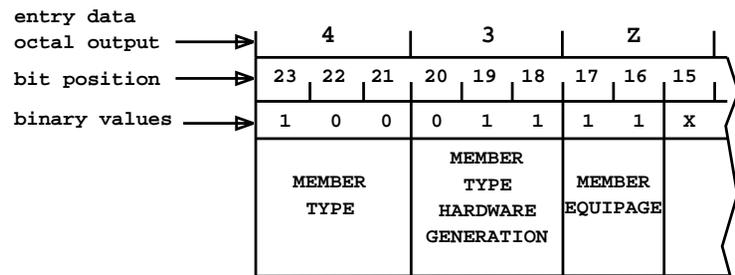
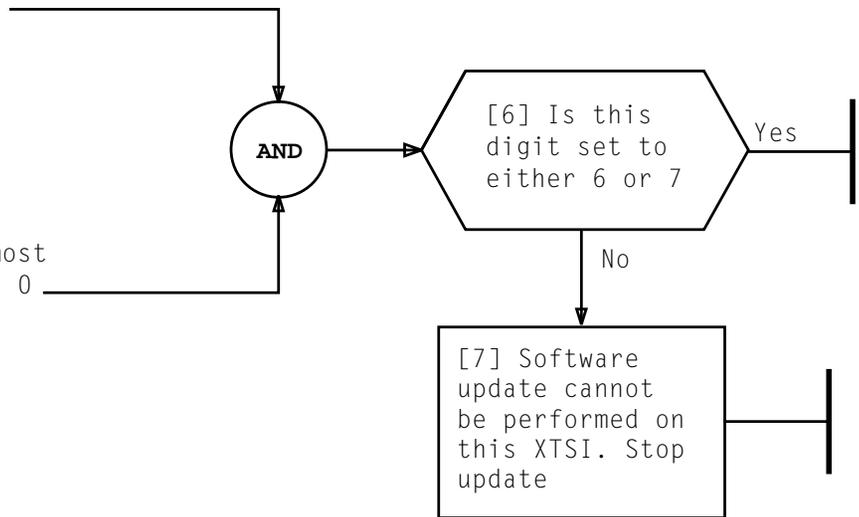


FIG. 1 - Partial Entry Word 0 Layout

VERIFY XTSI UT TRANSLATOR FOR EVEN MEMBER NUMBER

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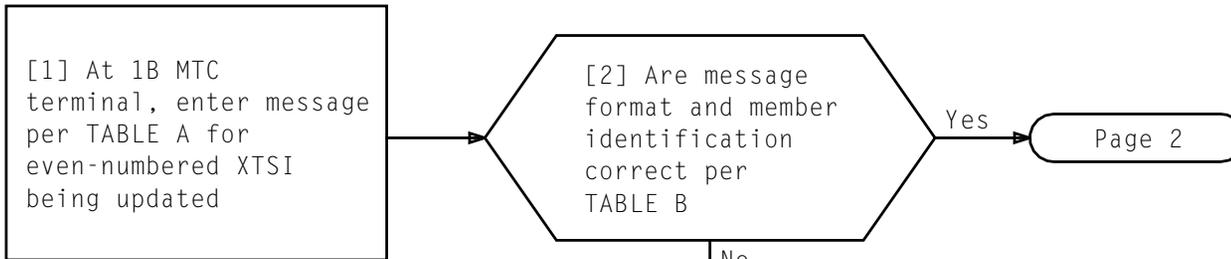
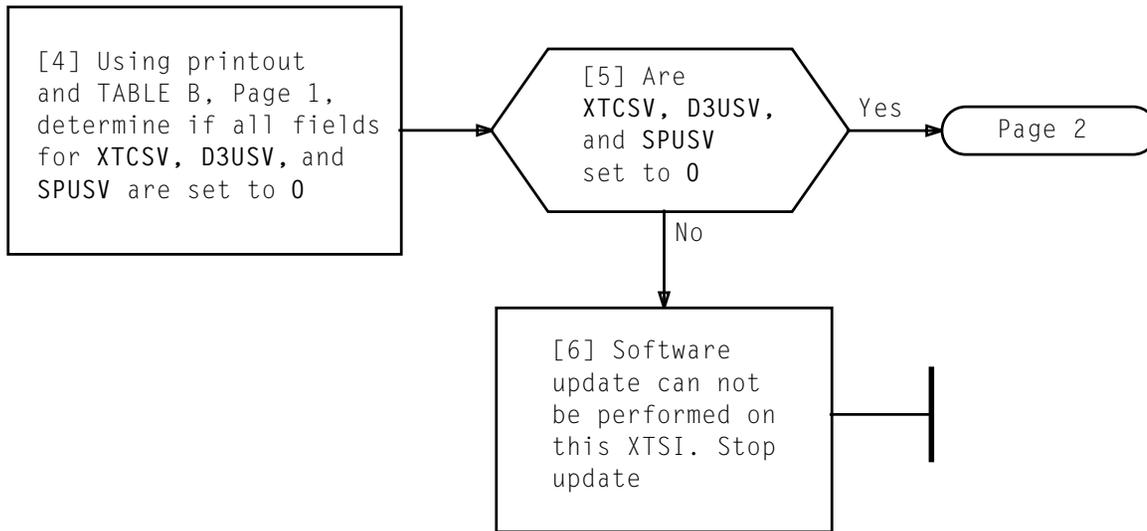


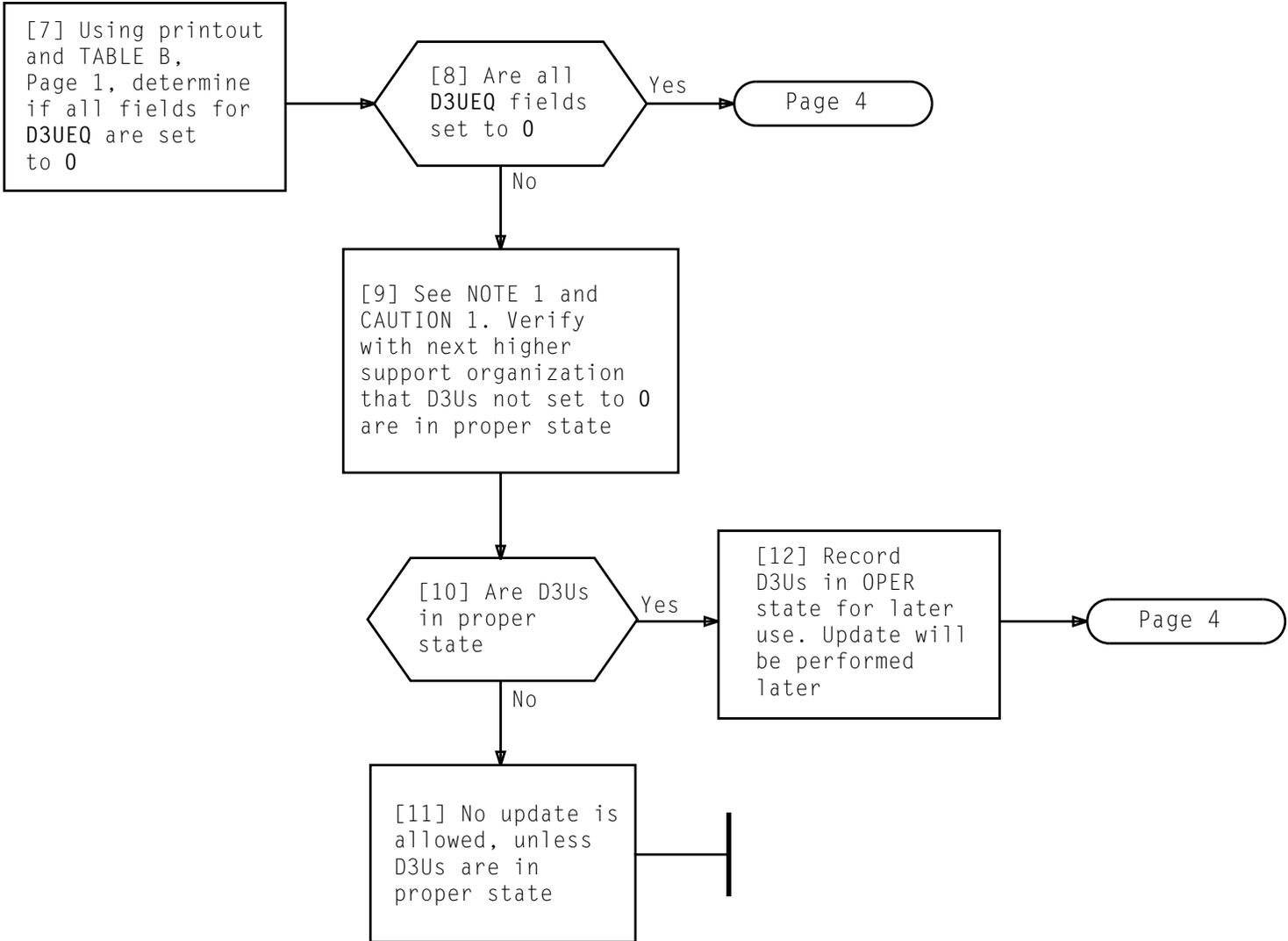
TABLE A	
MESSAGE NUMBER	INPUT MESSAGE
1	VER:VFUNC SUXTSI:FD1 XTSIMEMN,DT1 a!
a = Even member number of XTSI being updated	

TABLE B	
MESSAGE NUMBER	OUTPUT MESSAGE
1	VER:MISC;OPT(SUXTSI): XTSI MEMN a, XTCN 0 1 XTCHV --,-- XTCSV 0,0, D3UN 0 1 2 3 4 5 6 7 D3UEQ b,b,b,b,b,b, b,b, D3UHV --,--,--,--,--,--,--,-- D3USV 0,0,0,0,0,0, 0,0, SPUN 0 1 2 3 4 5 6 7 8 9 10 11 SPUEQ b,b,b,b,b,b,b,b,b,b, b, b, SPUHV --,--,--,--,--,--,--,--,-- SPUSV 0,0,0,0,0,0,0,0,0,0, 0, 0,
a = XTSI member number b = Equipage state of D3Us (D3UEQ) and SPUs (SPUEQ) - 0 for operational, S for SGRO, G for GROW, or U for UNEQ	

VERIFY SOFTWARE VERSIONS, AND D3U AND SPU (IF EQUIPPED) EQUIPAGE



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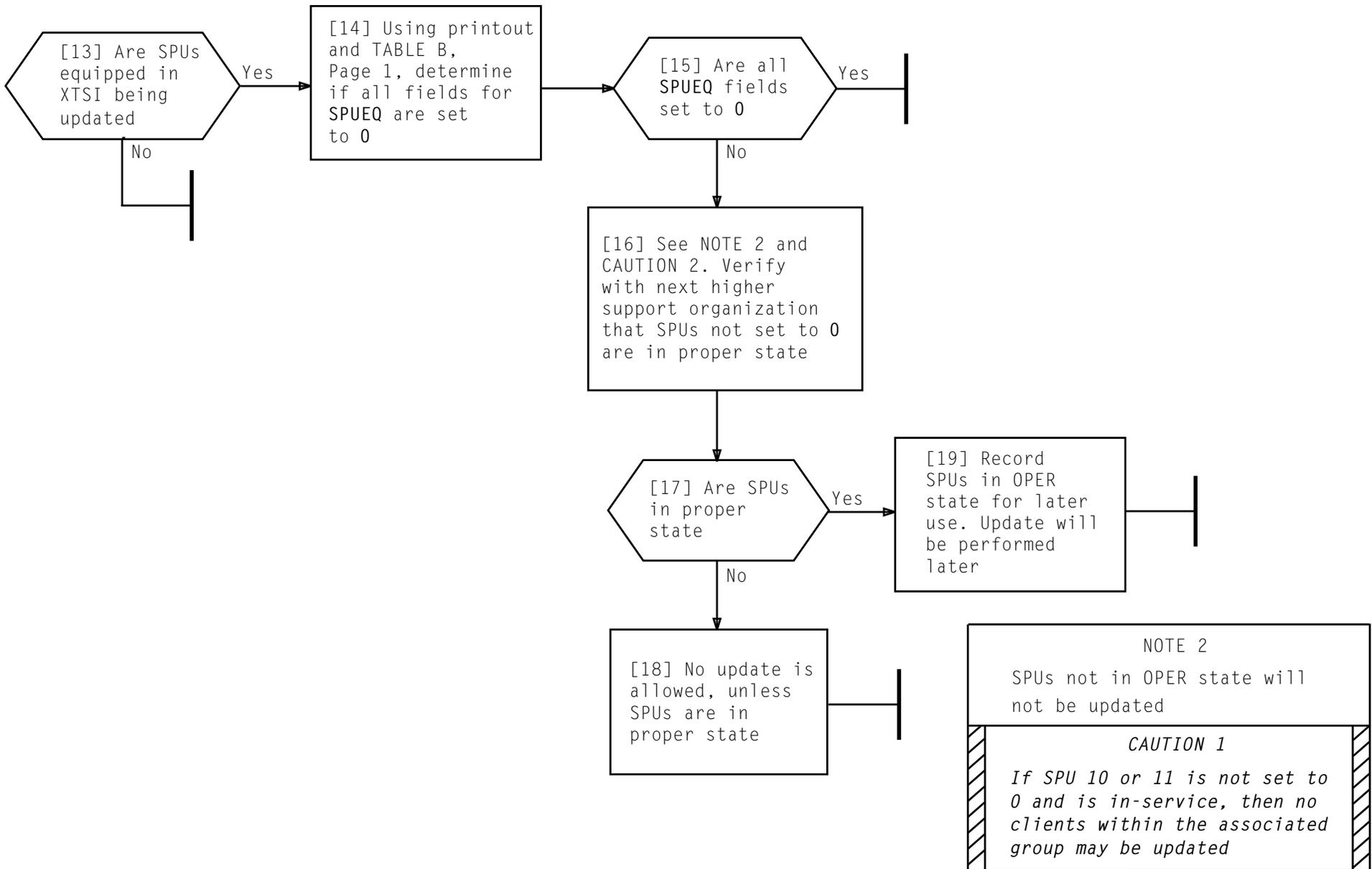


NOTE 1
D3Us not in OPER state will not be updated

CAUTION 1
If D3U 6 or 7 is not set to 0 and is in-service, then no clients within the associated group may be updated

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VERIFY SOFTWARE VERSIONS, AND D3U AND SPU (IF EQUIPPED) EQUIPAGE



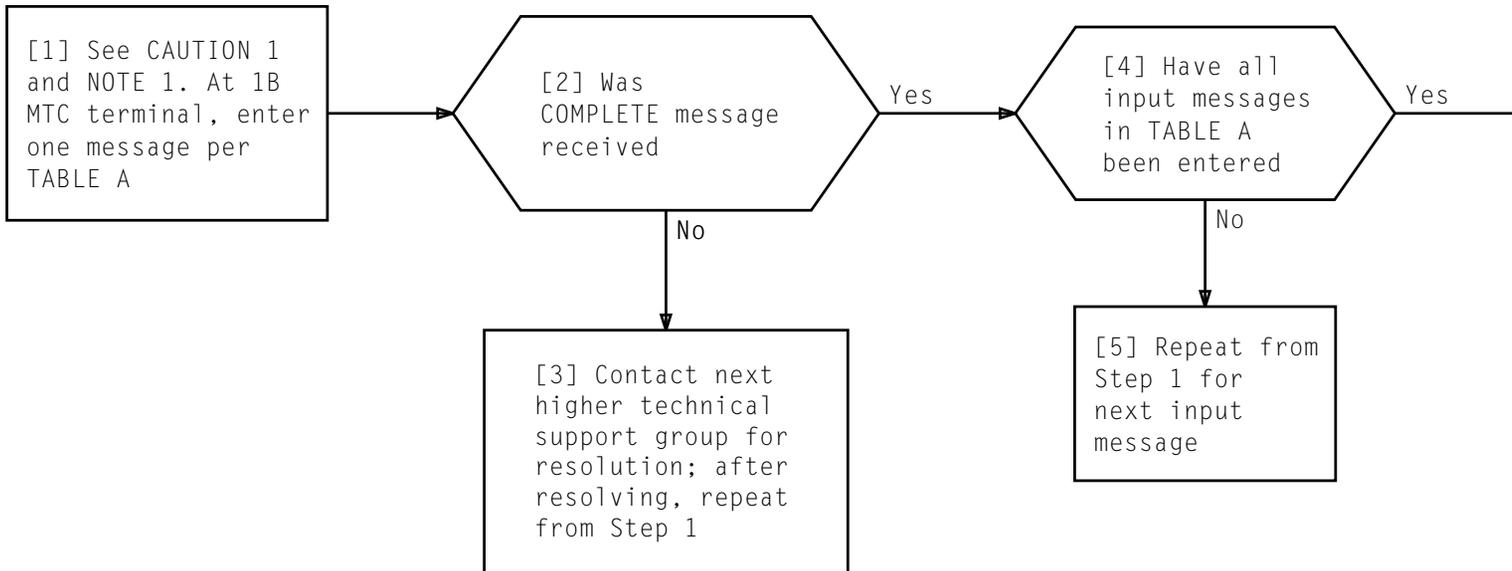


TABLE A	
MESSAGE NUMBER	INPUT MESSAGES
1	COPY:TSIFILE;XTSI a,SFN 0,DFN 1!
2	COPY:TSIFILE;XTSI a,SFN 4,DFN 5!
3	COPY:TSIFILE;XTSI a,SFN 8,DFN 9!
4	COPY:TSIFILE;XTSI a,SFN 12,DFN 13!
5	COPY:TSIFILE;XTSI a,SFN 16,DFN 17!
6	COPY:TSIFILE;XTSI a,SFN 20,DFN 21!
7	COPY:TSIFILE;XTSI a,SFN 24,DFN 25!
a = Even XTSI member number	

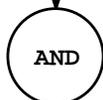
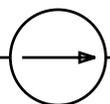
NOTE 1
Input messages must be entered one at a time in sequence from 1 through 7

CAUTION 1
Ensure correct SFN and DFN numbers are entered to prevent wrong file being copied

BACK UP CURRENT XTSI FILES IN BOTH CONTROLLERS

[1] See CAUTION 1. At 1B terminal, enter message OP:RCFORM 705!

CRT displays RC Form 705



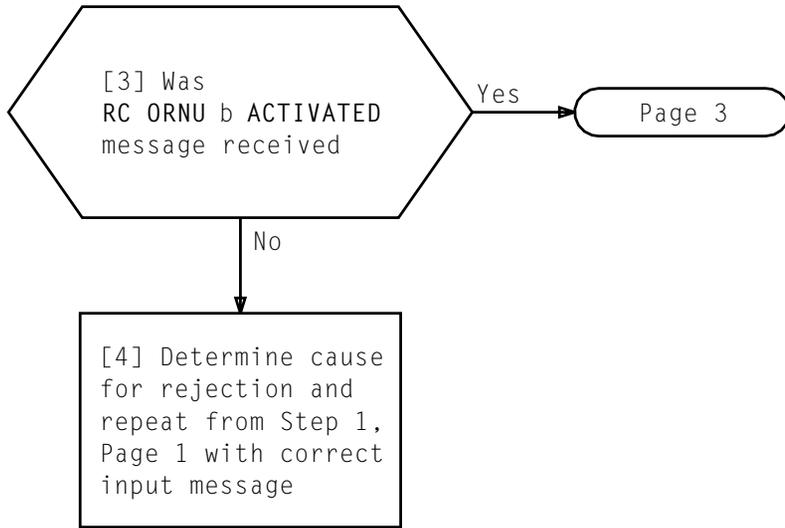
Page 2

[2] Fill in blanks on RC Form 705 per TABLE A and enter message _____

CAUTION 1
Calling up RC form will cause all CRT data to be cleared

TABLE A	
MESSAGE NUMBER	OUTPUT MESSAGE
1	RC:UTYPE;CHG;OPT(SUXTSI),a: XTSI MEMN b, ORNU c, XTCN 0 1 XTCHV -, -, XTCSV d,d, D3UN 0 1 2 3 4 5 6 7 D3UEQ -, -, -, -, -, -, -, -, D3UHV -, -, -, -, -, -, -, -, D3USV d,d,d,d,d,d, d,d, SPUN 0 1 2 3 4 5 6 7 8 9 10 11 SPUEQ -, -, -, -, -, -, -, -, -, -, -, SPUHV -, -, -, -, -, -, -, -, -, -, -, SPUSV d,d,d,d,d,d,d,d,d,d, d, d, REMARKS -----!
a = FTA b = XTSI member number c = RC order number d = 1 for fields in XTCSV, D3USV, and if equipped, SPUSV	

RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 1 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED



RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 1 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED

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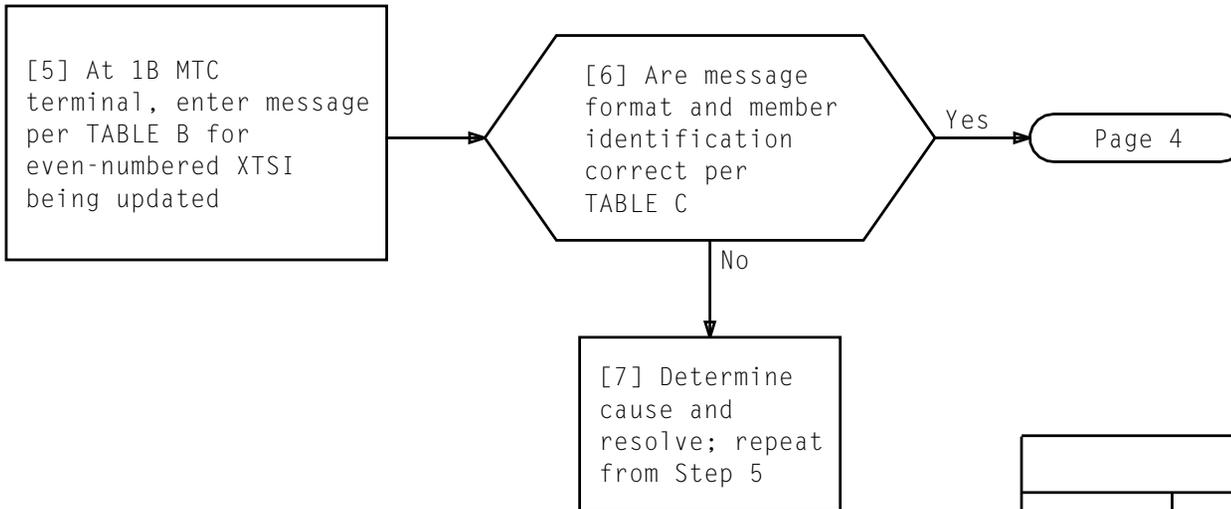
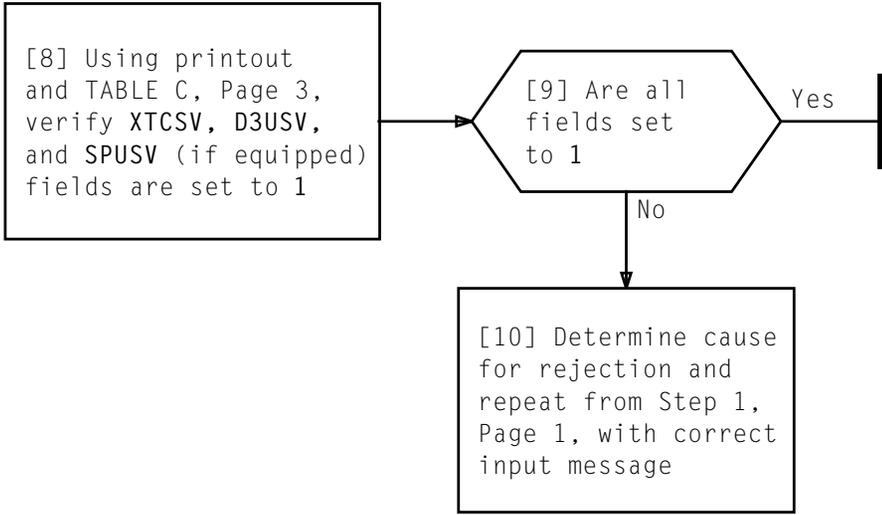


TABLE B	
MESSAGE NUMBER	INPUT MESSAGE
1	VER:VFUNC SUXTSI:FD1 XTSIMEMN,DT1 a!
a = XTSI member number	

TABLE C	
MESSAGE NUMBER	OUTPUT MESSAGE
1	VER:MISC;OPT(SUXTSI): XTSI MEMN a, XTCN 0 1 XTCHV __, XTCSV 1,1, D3UN 0 1 2 3 4 5 6 7 D3UEQ __,__,__,__,__,__,__,__, D3UHV __,__,__,__,__,__,__,__, D3USV 1,1,1,1,1,1, 1,1, SPUN 0 1 2 3 4 5 6 7 8 9 10 11 SPUEQ __,__,__,__,__,__,__,__,__,__,__, SPUHV __,__,__,__,__,__,__,__,__,__,__, SPUSV 1,1,1,1,1,1,1,1,1,1, 1, 1,
a = XTSI member number	

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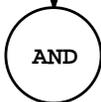
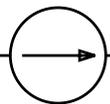


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[1] See CAUTION 1. At 1B terminal, enter message OP:RCFORM 705!

CRT displays RC Form 705



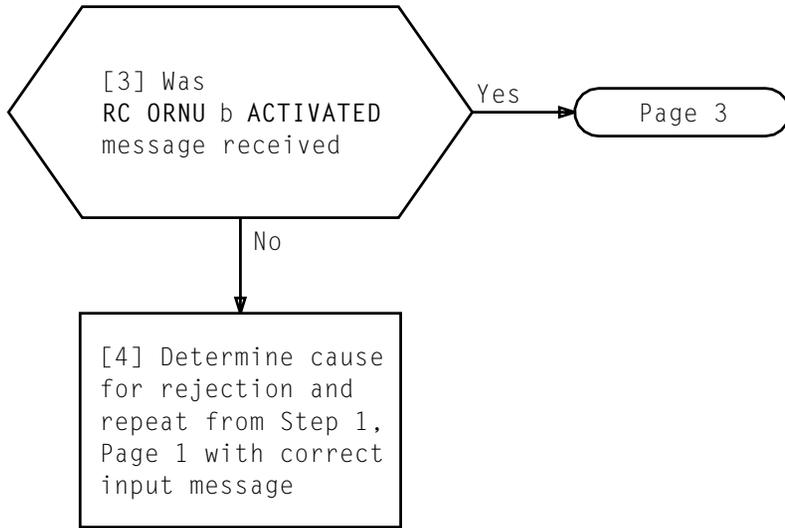
Page 2

[2] Fill in blanks on RC Form 705 per TABLE A and enter message _____

CAUTION 1
Calling up RC form will cause all CRT data to be cleared

TABLE A	
MESSAGE NUMBER	OUTPUT MESSAGE
1	RC:UTYPE;CHG;OPT(SUXTSI),a: XTSI MEMN b, ORNU c, XTCN 0 1 XTCHV -, -, XTCSV d,d, D3UN 0 1 2 3 4 5 6 7 D3UEQ -, -, -, -, -, -, -, -, D3UHV -, -, -, -, -, -, -, -, D3USV d,d,d,d,d,d, d,d, SPUN 0 1 2 3 4 5 6 7 8 9 10 11 SPUEQ -, -, -, -, -, -, -, -, -, -, -, -, SPUHV -, -, -, -, -, -, -, -, -, -, -, -, SPUSV d,d,d,d,d,d,d,d,d,d, d, d, REMARKS -----!
a = FTA b = XTSI member number c = RC order number d = 0 for fields in XTCSV, D3USV, and if equipped, SPUSV	

RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 0 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED



RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 0 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED

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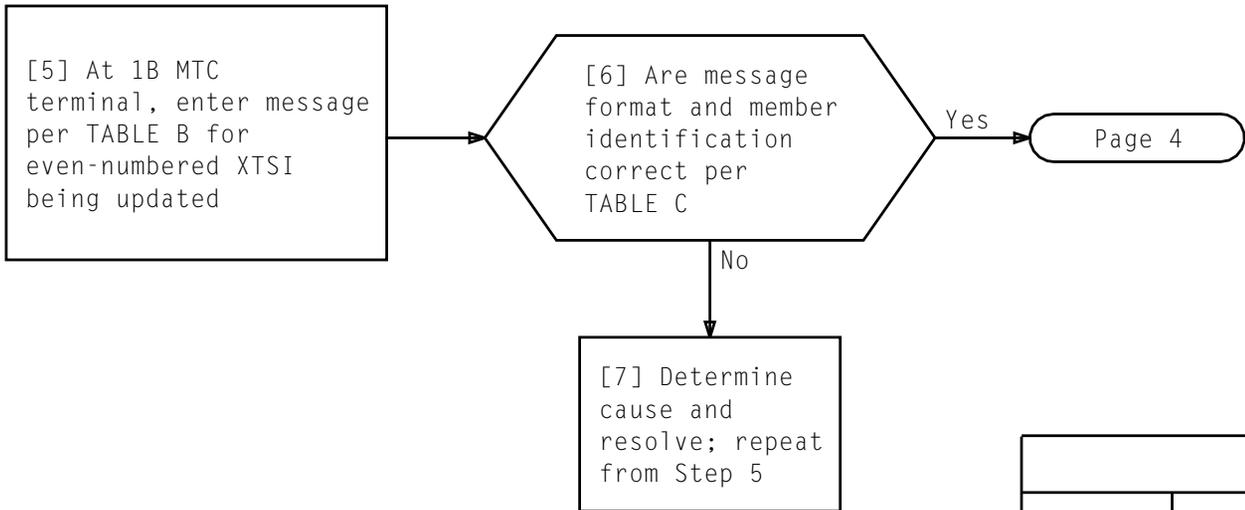
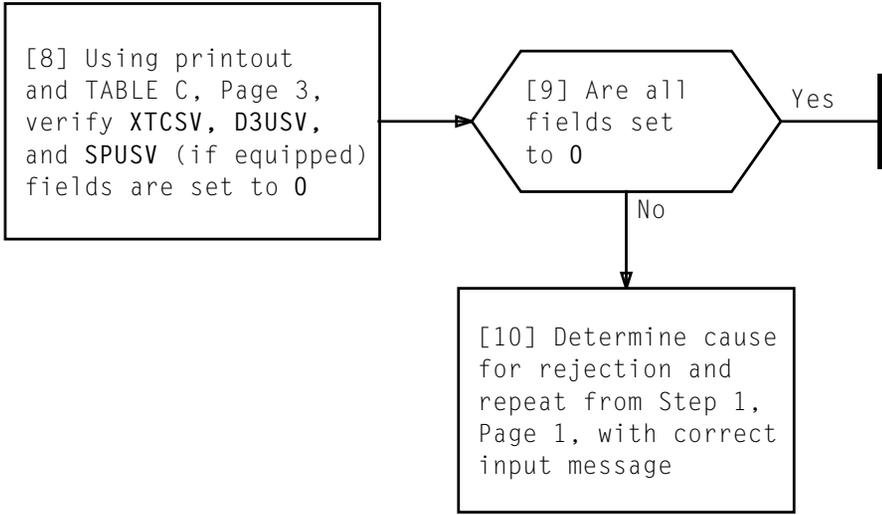


TABLE B	
MESSAGE NUMBER	INPUT MESSAGE
1	VER:VFUNC SUXTSI:FD1 XTSIMEMN,DT1 a!
a = XTSI member number	

TABLE C	
MESSAGE NUMBER	OUTPUT MESSAGE
1	VER:MISC;OPT(SUXTSI): XTSI MEMN a, XTCN 0 1 XTCHV __,__ XTCSV 0,0, D3UN 0 1 2 3 4 5 6 7 D3UEQ __,__,__,__,__,__ D3UHV __,__,__,__,__,__ D3USV 0,0,0,0,0,0, 0,0, SPUN 0 1 2 3 4 5 6 7 8 9 10 11 SPUEQ __,__,__,__,__,__,__,__ SPUHV __,__,__,__,__,__,__,__ SPUSV 0,0,0,0,0,0,0,0,0,0, 0, 0,
a = XTSI member number	

RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 0 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED

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RECENT CHANGE AND VERIFY SOFTWARE VERSION TO 0 FOR CONTROLLERS, D3Us, AND SPUs, IF EQUIPPED

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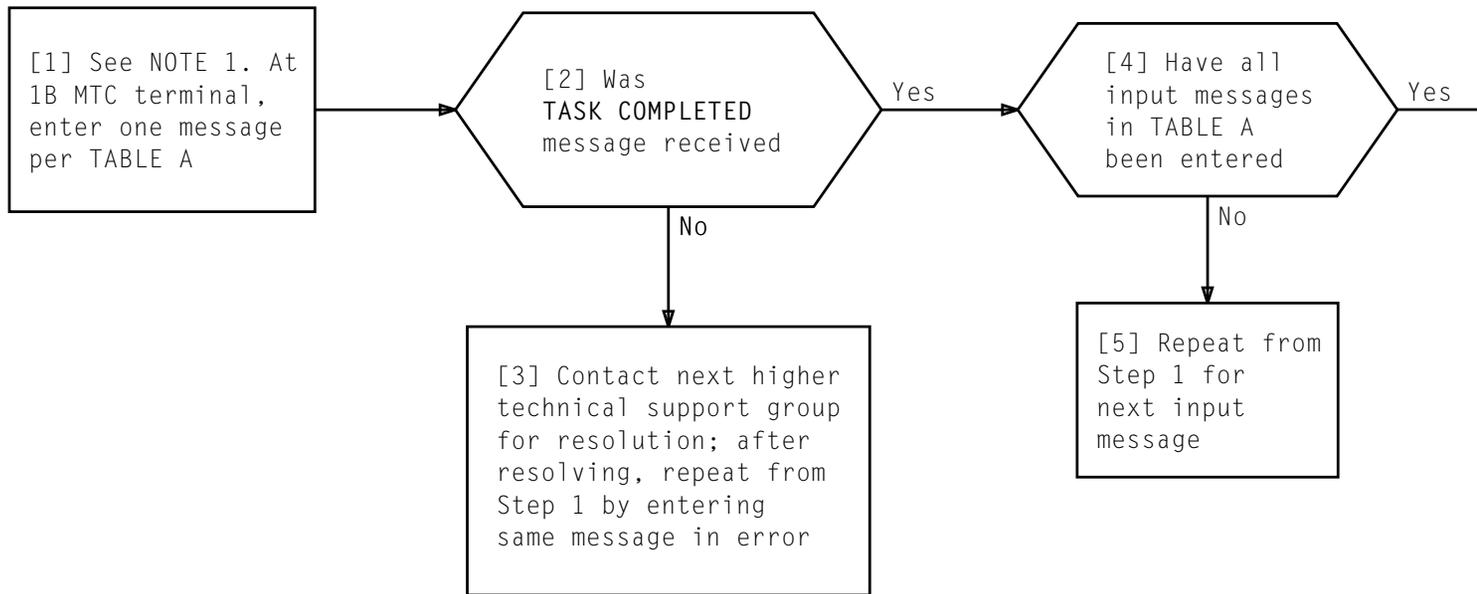


TABLE A	
MESSAGE NUMBER	INPUT MESSAGES
1	COPY:XTSI a,XTC,FDT,SVN 0,DVN 0!
2	COPY:XTSI a,XTC,OPR,SVN 0,DVN 0!
3	COPY:XTSI a,XTC,DGN,SVN 0,DVN 0!
4	COPY:XTSI a,D3U,OPR,SVN 0,DVN 0!
5	COPY:XTSI a,D3U,DGN,SVN 0,DVN 0!
6	COPY:XTSI a,SPU,OPR,SVN 0,DVN 0!
7	COPY:XTSI a,SPU,DGN,SVN 0,DVN 0!
a = Even XTSI member number	

NOTE 1 Input messages must be entered one at a time in sequence from 1 through 7. Each copy command may take approximately 3 minutes	
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COPY NEW SYSTEM FILES FROM 3B COMPUTER TO XTSI

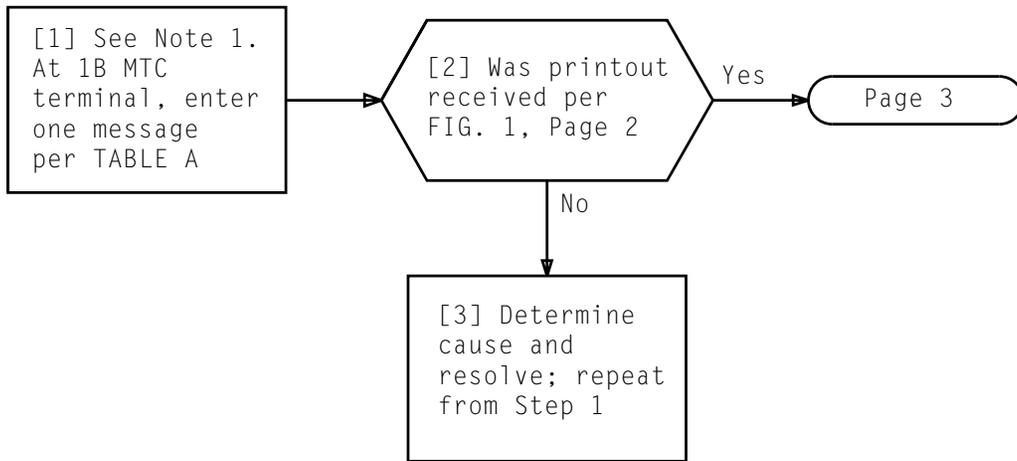


TABLE A		
MESSAGE NUMBER	INPUT MESSAGES	ASSOCIATED FILE DRIVER
1	DUMP:TSIFILE;XTSI a,FILE 0,HADR 0,L 20!	/fdt/fdtver
2	DUMP:TSIFILE;XTSI a,FILE 4,HADR 0,L 20!	/xtc/oprver
3	DUMP:TSIFILE;XTSI a,FILE 8,HADR 0,L 20!	/xtc/dgnver
4	DUMP:TSIFILE;XTSI a,FILE 12,HADR 0,L 20!	/d3u/oprver
5	DUMP:TSIFILE;XTSI a,FILE 16,HADR 0,L 20!	/d3u/dgnver
6	DUMP:TSIFILE;XTSI a,FILE 20,HADR 0,L 20!	/spu/oprver
7	DUMP:TSIFILE;XTSI a,FILE 24,HADR 0,L 20!	/spu/dgnver
a = Even XTSI member number		

NOTE 1	
Input messages must be entered one at a time in sequence from 1 through 7	
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VERIFY NEW SYSTEM FILES WERE COPIED TO XTSI

```

DUMP:TSIFILE XTSI a CONTR 0 FILE b HADR 0 L 20:
      COMPLETED
000000  xxxx 0000 ---- 0000 ---- yyyy ---- ----
000008  ---- ---- ---- --zz ---- ---- ----
000010  3e3f 3d-- 0000 3g00

```

```

a = XTSI member number
b = File number (0, 4, 8, 12, or 16)
xxxx = Checksum/Hashsum value for this file in hex
yyyy = Type of file:
      4341 (for fdtver) or
      4441 (for dgnver) or
      4F41 (for oprver)
zz = Type of subunit:
     43 (for xtc or fdt) or
     53 (for SPU)
     55 (for D3U)
e f d g = file issue number d.efg

```

FIG. 1 - DUMP:TSIFILE Printout

VERIFY NEW SYSTEM FILES WERE COPIED TO XTSI

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[4] Using printout, and FIG. 1, Page 2, compare checksum value in word 0 with associated checksum value from 3B printout saved earlier [DLP-503]. Record discrepancy for later use

[5] Using printout, and FIG. 1, Page 2, compare software release issue in words 10, 11, and 13 with associated software release issue from 3B printout saved earlier [DLP-503]. Record discrepancy for later use

[6] Using printout and FIG. 1, Page 2, verify type of file data in word 5 for associated message inputted. Record discrepancy for later use

[7] Using printout and FIG. 1, Page 2, verify subunit type in word C (hex) for associated message inputted. Record discrepancy for later use

AND

[8] Have all messages in TABLE A, Page 1 been entered

Yes

No

[9] Repeat from Step 1, Page 1 for next input message

[10] Were data words correct

Yes

No

[11] Refer error(s) to installer for resolution; after resolving, repeat from Step 1, Page 1

VERIFY NEW SYSTEM FILES WERE COPIED TO XTSI

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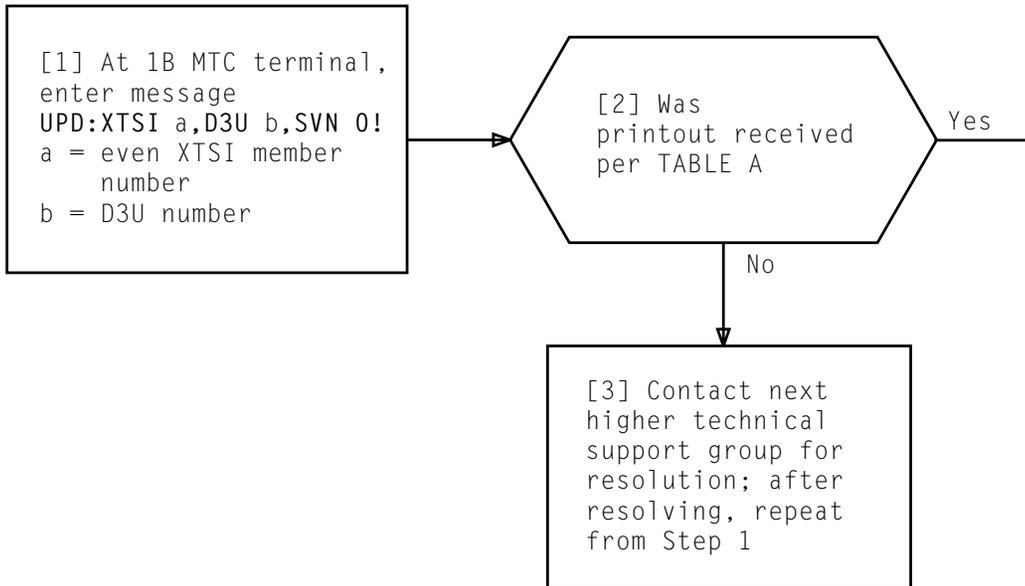


TABLE A	
MESSAGE NUMBER	OUTPUT MESSAGE
1	UPD:XTSI a ,D3U b ,SVN 0 D3U b UPDATE COMPLETED

[1] At 1B MTC terminal,
 enter message
 UPD:XTSI a,XTC,SVN 0!
 a = even XTSI member
 number

[2] Observe printout
 for any failure
 printouts

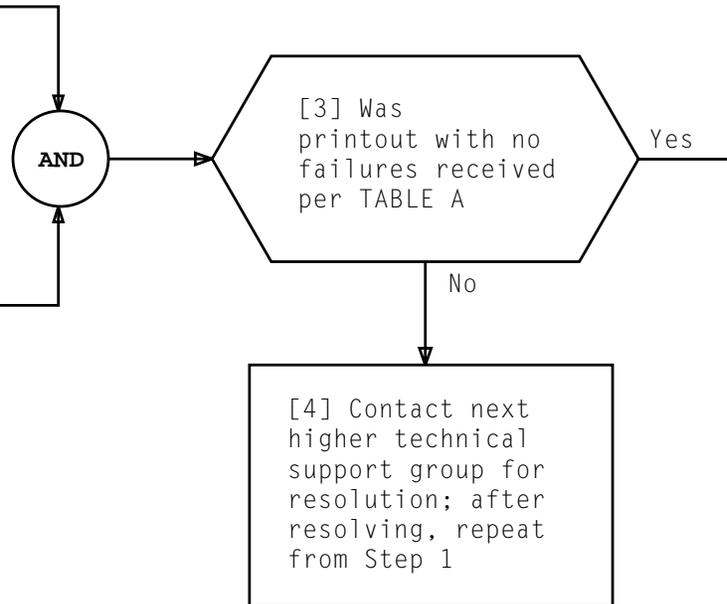


TABLE A	
MESSAGE NUMBER	OUTPUT MESSAGE
1	UPD:XTSI a ,XTC ,SVN 0 XTC UPDATE COMPLETED

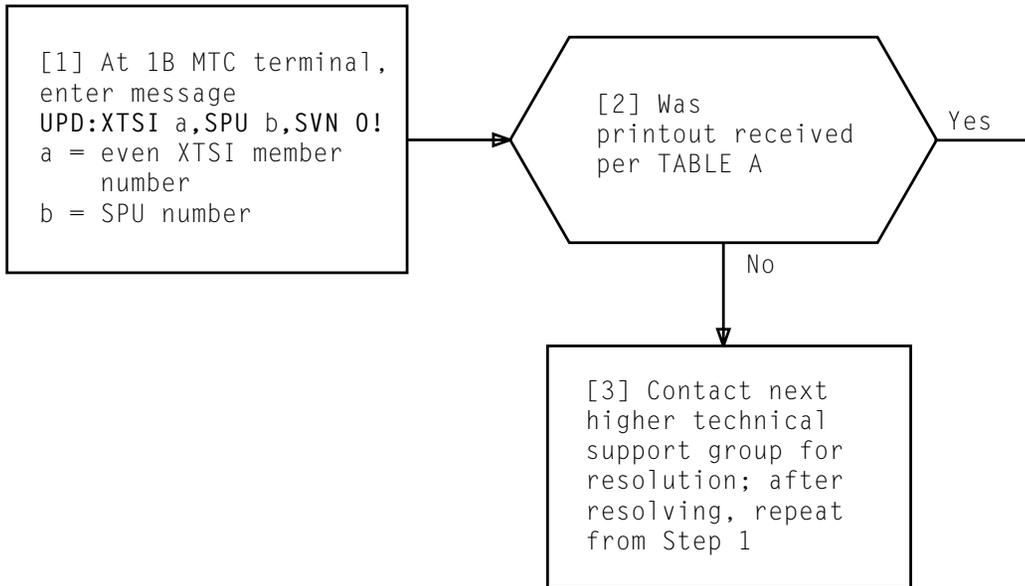


TABLE A	
MESSAGE NUMBER	OUTPUT MESSAGE
1	UPD:XTSI a ,SPU b ,SVN 0 SPU b UPDATE COMPLETED

[1] Obtain from next higher support organization BWM number associated with this update _____

[2] At 3B MCRT, enter message per TABLE A _____

[3] Using printout of BWM scans file, determine if diagnostics for XTSI controller, D3U and/or SPU were changed _____

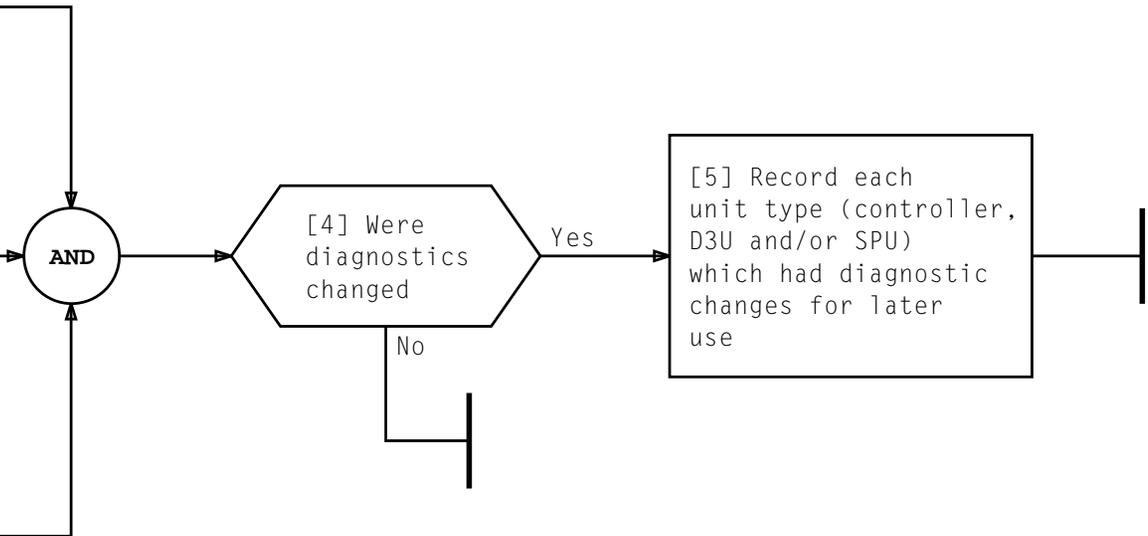
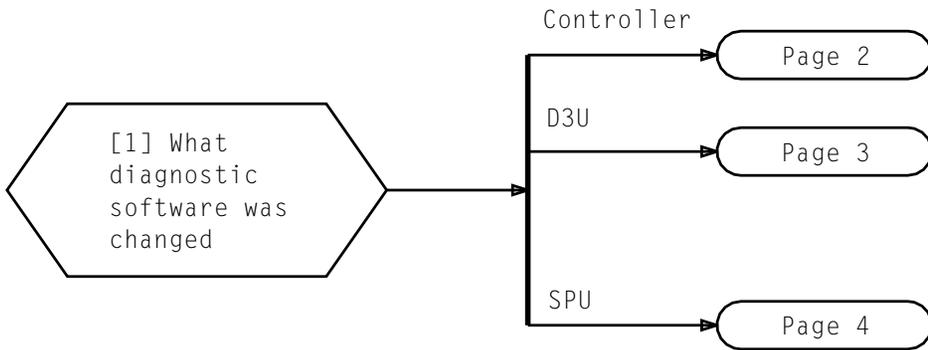


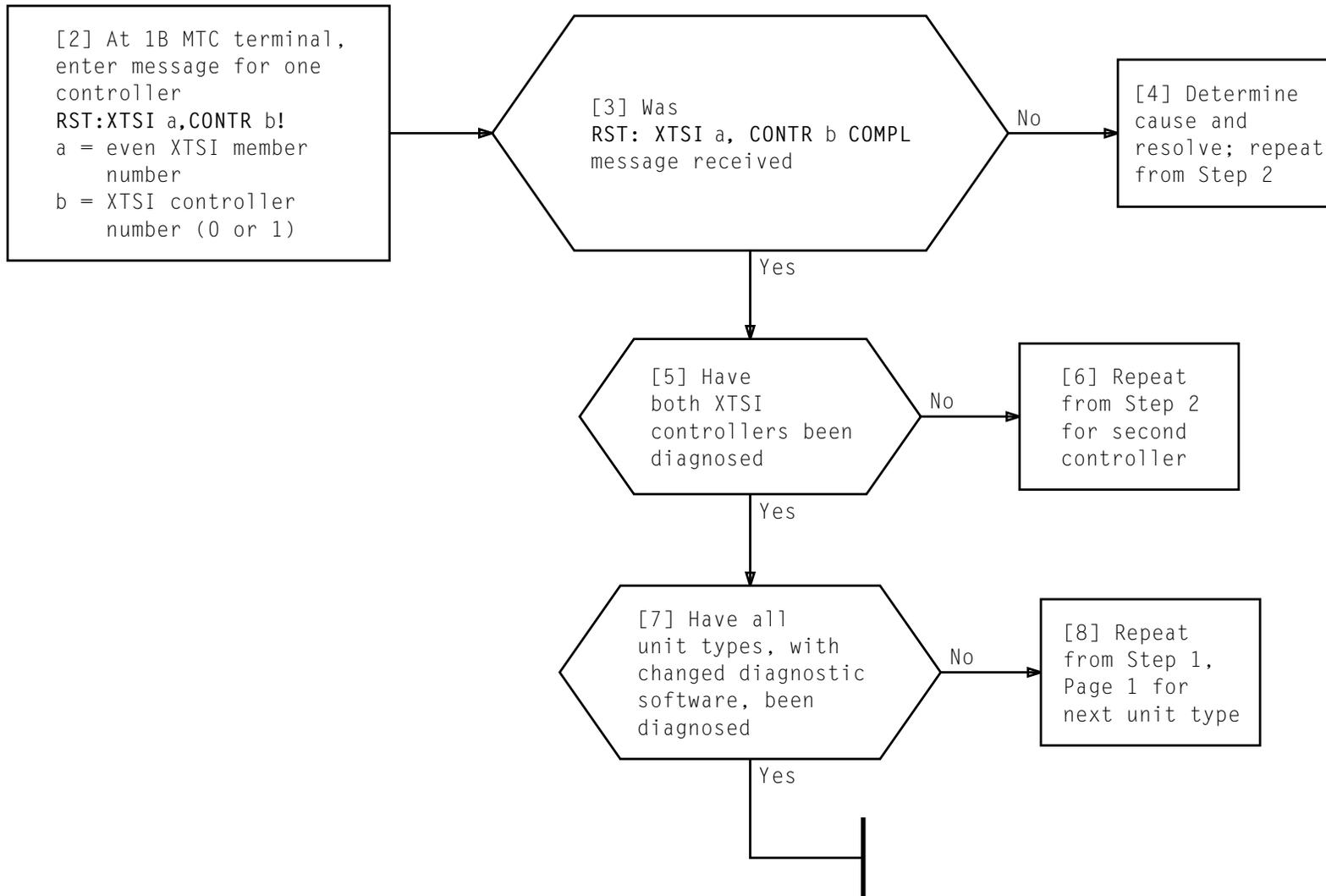
TABLE A	
MESSAGE NUMBER	INPUT MESSAGE
1	DUMP:FILE:ALL, FN"/etc/bwm/AAAxx-xxxx/SCANS"! <small>AAAxx-xxxx = BWM number for this update</small>

DETERMINE IF XTSI CONTROLLER, D3U, AND/OR SPU DIAGNOSTICS WERE CHANGED BY THIS UPDATE



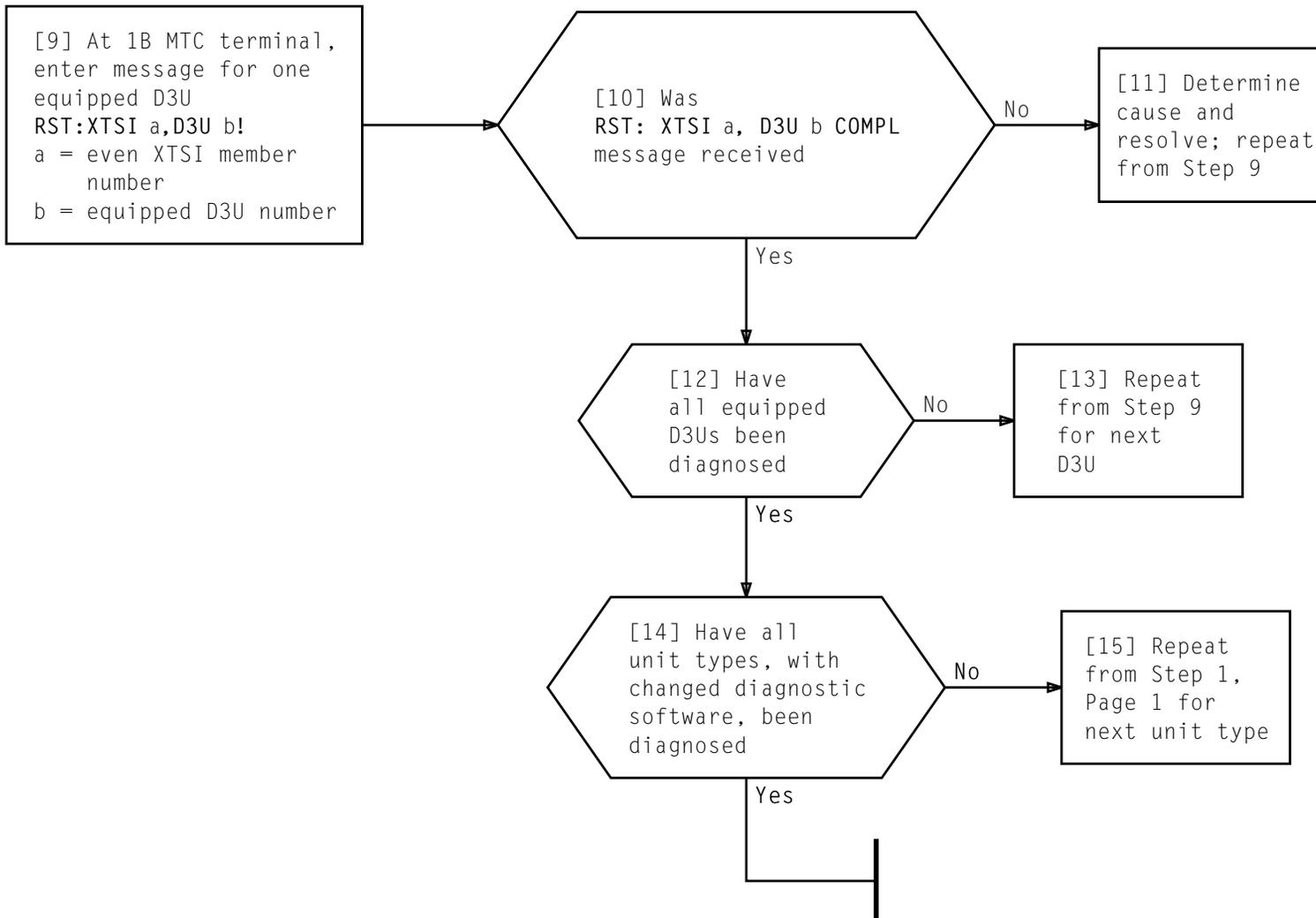
DIAGNOSE XTSI CONTROLLERS, D3Us, AND/OR SPUs, AS REQUIRED

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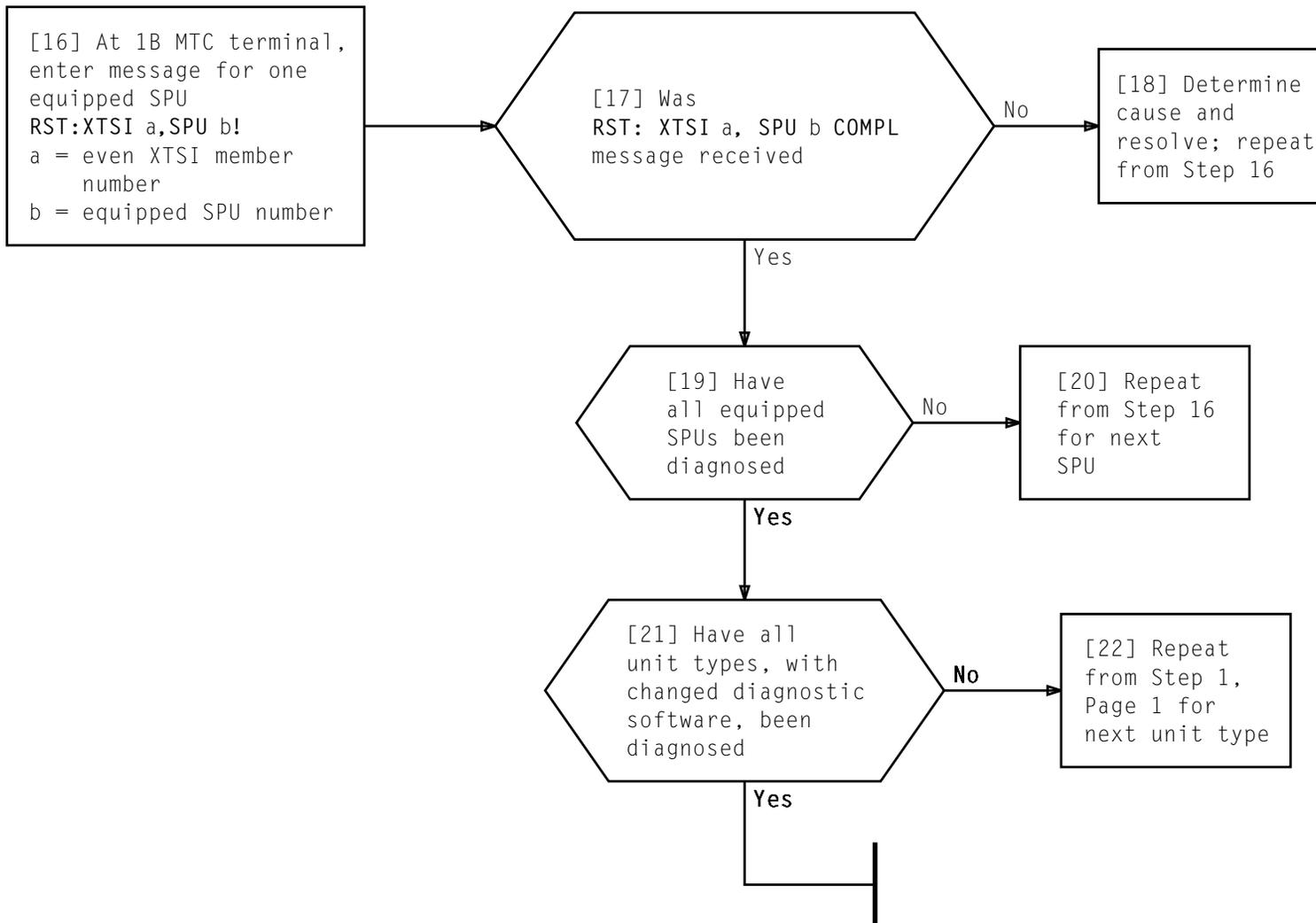
DIAGNOSE XTSI CONTROLLERS, D3Us, AND/OR SPUs, AS REQUIRED

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DIAGNOSE XTSI CONTROLLERS, D3Us, AND/OR SPUs, AS REQUIRED

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DIAGNOSE XTSI CONTROLLERS, D3Us, AND/OR SPUs, AS REQUIRED

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ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE
IXL-001											
NTP-002											
NTP-003											
DLP-500											
DLP-501											
DLP-502											
DLP-503											
DLP-504											
DLP-505											
DLP-506											
DLP-507											
DLP-508											
DLP-509											
DLP-510											
DLP-511											
DLP-512											
DLP-513											
DLP-514											
DLP-515											
CKL-891											
TNG-893											

• REVISED OR ADDED ITEM

☐ CANCELED ITEM

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CKL

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