Task Oriented Practice (TOP)
4ESS™ Switch With 1B Processor
XTSI Releases 1, 2, and 3
Growth/Degrowth

1. General

1.001 This addendum supplements TOP 234-353-035AC, Issue 2 and replaces 234-353-035AC Addendum Issue 1.

1.002 This addendum is being issued to add field comments to this TOP.

2. Attachments

2.001 Place this pink sheet in front of the practice. Insert the attached pages in place of the corresponding numbered pages:

- NTP-004, Page 63 (Revised) and NTP-004, Page 64 (Revised)

- NTP-010, Page 31 (Revised) and NTP-010, Page 32 (Revised)

- NTP-010, Page 67 (Revised) and NTP-010, Page 68 (Revised)

- NTP-013, Page 1 (Revised) and NTP-013, Page 2 (Revised)

- NTP-013, Page 3 (Revised) and NTP-013, Page 4 (Revised)

- DLP-568, Page 1 (Revised) and DLP-568, Page 2 (Revised)

- DLP-568, Page 3 (Revised) and Blank Page

- DLP-577, Page 1 (Revised) and DLP-577, Page 2 (Revised)

- DLP-577, Page 3 (Revised) and DLP-577, Page 4 (Revised)

- CKL-891, Page 1 (Revised) and CKL-891, Page 2 (Revised)

3. Issuing Organization

Published by
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DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
	Note: Steps 365 through 401 are being performed to do the following: • Verify sufficient equipment active for NETX run. • Set up dummy trunks/DS1s, echo canceller connections and verify. • Copy NETX into 1B memory. • Run NETX on 200 connect level for 1 hour. • Run NETX on 960 connect level for 8 hours in 2-hour intervals. • Remove dummy trunks/DS1s and verify.		
365	Read entire test procedure to become familiar with its contents before beginning NETX testing.	TELCO/INST	—
	Caution: To avoid any service interruptions, measures should be taken to avoid running NETX continuously for more than 2 hours at a time. NETX should be periodically terminated, audits which are inhibited during testing should be allowed and run [DLP-566], and NETX testing restarted. Under NO circumstances, should the audits be allowed without terminating NETX first. Testing should resume at same place it was when terminated.		
366	Establish required hardware status.	TELCO	DLP-557

DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
367	Request appropriate provisioning group to set up dummy trunks and echo cancellation connections for running NETX. DLP-596 gives guidelines for setting up dummy trunks and echo cancellation connections. **Do Not** continue until provisioning group has confirmed which trunks have been set up for NETX testing.	TELCO	DLP-596
	Notes: 1. If ODA structures and TAN assignments for all trunks associated with growth XTSI have not been built, maximum occupancy levels for test cannot be met. 2. Measures should be taken to ensure that NETX testing does not take place during busy hour. NETX should be terminated and audits which were inhibited during testing should be run if this condition exists. NETX testing should be resumed during next low traffic period. 3. If NETX testing is temporarily stopped due to trouble condition which simplexes XTSI under test or any system TMS, observe output message which may indicate NETX is in hold state. When frames are restored to duplex operation, NETX exercise will automatically restart. 4. All trunks assigned to XTSI(s) to be tested must be in CAD.DSA state before XTSI(s) can be used by NETX.		
368	If AIMS terminal is being used to enter input messages, load **NETX.1** command file into terminal.	TELCO	DLP-578
369	At 1B Processor MTC terminal, verify sufficient number of dummy trunks, for NETX testing, are set to CAD.DSA.	TELCO	DLP-558

DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
164	At 1B Processor MTC terminal, restore TMSP CONTR (Step 162) to service (**RST:TMSP** a**,CONTR** b**!**).	TELCO/INST	DLP-526
165	Safe point to temporarily stop this procedure. If stopping, perform Steps 166 through 168; otherwise, go to Step 174.	TELCO/INST	—
166	At 1B Processor MTC terminal, enter message **ALW:MACLI,CLASS MTCE!** to allow REX. Response: **REPT: MACP AUTOMATIC JOB SCHEDULING RESUMED**	TELCO	—
167	If AIMS terminal is being used to enter input messages, remove floppy disk from AIMS terminal and store per local practice.	TELCO	—
168	Stop procedure for now. Continue at Step 169 when resuming.	TELCO/INST	—
169	If AIMS terminal is being used to enter input messages, load **GRXTSI.7** command file into terminal.	TELCO	DLP-577
170	At 1B Processor MTC terminal, enter message **INH:MACLI,CLASS MTCE;REX!** to inhibit REX. Response: **REPT:MACLI,CLASS MTCE INHIBITED AUTOMATIC JOB SCHEDULING DISALLOWED**	TELCO	—
171	At 1B Processor MTC terminal, enter message **STOP:TEST;PUSYS!** to stop peripheral system tests. Response: **OK**	TELCO	—
172	Request next higher support group to Ensure 1B Processor has not experienced any terminal suspends, bootstraps, diagnostic failures, or overloads within last 24 hours.	TELCO	—
173	Ensure 3B, 1B Processor, and peripheral units are operating in normal duplex mode.	TELCO	DLP-529
174	Repeat Steps 162 through 165 for Each TMSP CONTR.	TELCO/INST	—
175	At 1B Processor MTC terminal, diagnose even-numbered growth XTSI CONTR 0 specifying phases 40 and 41 and GROWTH (**DGN:XTSI** a**,CONTR 0:PH 40-41,GROWTH!**).	TELCO/INST	DLP-579
176	At 1B Processor MTC terminal, diagnose even-numbered growth XTSI CONTR 1 specifying phases 40 and 41 and GROWTH (**DGN:XTSI** a**,CONTR 1:PH 40-41,GROWTH!**).	TELCO/INST	DLP-579

DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
177	Notify office personnel that alarms will be received during XTSI alarm testing.	INST	—
178	If fan controller board is located at the back of growth XTSI cabinet (EQL 44-188), perform Steps 179 through 189; otherwise, if fan controller board is not located at the back of growth XTSI cabinet, go to Step 190.	INST	—
	Note: **FAN A** and **FAN D** fuses will not be tested in Steps 179 through 190.		
179	At XTSI cabinet fuse panel (Level 69), remove fuse for one fan: *Note:* Fuse A is at the top of the fuse panel and fuse E is on the bottom of the fuse panel. • **FAN B** (A3-064-A) • **FAN C** (B4-174-B) • **FAN E** (A2-048-A) • **FAN F** (B3-166-A) • **FAN G** (A4-072-B)	INST	—
180	Ensure the following: • Audible major alarm is received. • At front top of growth XTSI cabinet, **FAN** and **POWER** LEDs are on. • End guard major lamp is on. • GRID **MJ** LED is on. • At back of growth XTSI cabinet, on fan controller board (EQL 41-004), LED associated with pulled fuse is on. • On 1B Processor SREC1 terminal, **REPT: MJ ALM MOC GRID 1** message is received.	INST	—

DO THE ITEMS BELOW IN THE ORDER LISTED	FOR DETAILS, GO TO	
397	If AIMS terminal is being used to enter input messages, remove floppy disk from AIMS terminal and store per local practice.	TELCO	—
398	Stop procedure for now. Continue at Step 399 when resuming.	TELCO/INST	—
399	If AIMS terminal is going to be used to enter input messages, load **GRXTSI.E** command file into terminal.	TELCO	DLP-577
400	At 1B Processor MTC terminal, enter message **INH:MACLI,CLASS MTCE;REX!** to inhibit REX. Response: **REPT:MACLI,CLASS MTCE INHIBITED AUTOMATIC JOB SCHEDULING DISALLOWED**	TELCO	—
401	At 1B Processor MTC terminal, enter message **STOP:TEST;PUSYS!** to stop peripheral system tests. Response: **OK**	TELCO	—
402	Request next higher support group to ensure 1B Processor has not experienced any terminal suspends, bootstraps, diagnostic failures, or overloads within last 24 hours.	TELCO	—
403	Ensure 3B, 1B Processor, and peripheral units are operating in normal duplex mode.	TELCO	DLP-529
	Note: Steps 404 through 440 are being performed to do the following: • Verify sufficient equipment active for NETX run. • Set up dummy trunks/DS1s, echo canceller connections and verify. • Copy NETX into 1B memory. • Run NETX at 200 connect level for 1 hour. • Run NETX at 960 connect level for 8 hours in 2-hour intervals. • Remove dummy trunks/DS1s and verify.		
404	Read entire test procedure to become familiar with its contents before beginning NETX testing.	TELCO/INST	—

DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
	Caution: To avoid any service interruptions, measures should be taken to avoid running NETX continuously for more than 2 hours at a time. NETX should be periodically terminated, audits which are inhibited during testing should be allowed and run [DLP-566], and NETX testing restarted. Under NO circumstances, should the audits be allowed without terminating NETX first. Testing should resume at same place it was when terminated.		
405	Establish required hardware status.	TELCO	DLP-557
406	Request appropriate provisioning group to set up dummy trunks and echo cancellation connections for running NETX. DLP-596 gives guidelines for setting up dummy trunks and echo cancellation connections. **Do Not** continue until provisioning group has confirmed which trunks have been set up for NETX testing.	TELCO	DLP-596
	Notes: 1. If ODA structures and TAN assignments for all trunks associated with growth XTSI have not been built, maximum occupancy levels for test cannot be met. 2. Measures should be taken to ensure that NETX testing does not take place during busy hour. NETX should be terminated and audits which were inhibited during testing should be run if this condition exists. NETX testing should be resumed during next low traffic period. 3. If NETX testing is temporarily stopped due to trouble condition which simplexes XTSI under test or any system TMS, observe output message which may indicate NETX is in hold state. When frames are restored to duplex operation, NETX exercise will automatically restart. 4. All trunks assigned to XTSI(s) to be tested must be in CAD.DSA state before XTSI(s) can be used by NETX.		
407	If AIMS terminal is being used to enter input messages, load **NETX.1** command file into terminal.	TELCO	DLP-578

Convert Expanded Time Slot Interchange (XTSI) Cabinet to In-Band Capable - Support to Installer (INST)

DO THE ITEMS BELOW IN THE ORDER LISTED	FOR DETAILS, GO TO	
GENERAL CAUTION, WARNING AND NOTES WHEN CONVERTING XTSI CABINET ***Caution: Before this procedure can be performed, Change Notice (CN) C04401NW (addition of two GRAM Paddleboards to the XTSI backplane) must be installed.*** ***WARNING: An antistatic wrist strap must be worn to prevent electrostatic discharge and possible damage to circuit packs while handling or installing circuit packs or backplane cables.*** ***Notes:*** 1. Appropriate Input/Output Manuals must be used if clarification of input message or output message is necessary. 2. This procedure must be performed during light traffic periods. 3. ***4ESS***™ Switch and 3B20D/3B21D APS operation must be closely monitored while performing this procedure. 4. Corrective action must be taken immediately on any activity that may cause any unit to go out of service (OOS). 5. Stability of office must be maintained throughout this procedure. 6. ***4ESS***™ Switch must be running on 4E24 release 2 or later generic.		

DO THE ITEMS BELOW IN THE ORDER LISTED		FOR DETAILS, GO TO	
1	Notify next higher support group that XTSI cabinet conversion is being performed. Request information to complete Steps 2 through 7.	TELCO	—
	Note: Broadcast Warning Messages (BWMs), if applied, will ensure use of latest software available which is compatible with hardware being installed.		
2	Request next higher support group to determine if BWM(s) is associated with this XTSI cabinet conversion and apply if necessary.	TELCO	DLP-527
	Note: After entering the VER:VFUNC message in the next step, continue at Step 4. You don't need to wait for the printout to be received.		
3	At 3B MCRT, verify XTSI files stored in 3B computer.	TELCO	DLP-617
4	Ensure 1B Processor 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-528
6	Ensure diagnostics on duplexed 3B CUs have been run to completion within last 24 hours.	TELCO	—
7	Ensure any 1B Processor and/or system problems have been cleared before performing this procedure.	TELCO	—
8	If AIMS terminal is being used to enter input messages, load **CONV.1** command file into terminal.	TELCO	DLP-577
9	At 1B Processor MTC terminal, enter message **INH:MACLI,CLASS MTCE;REX!** to inhibit REX. Response: **REPT:MACLI,CLASS MTCE INHIBITED** **AUTOMATIC JOB SCHEDULING DISALLOWED**	TELCO	—
10	At 1B Processor MTC terminal, enter message **STOP:TEST;PUSYS!** to stop peripheral system tests. Response: **OK**	TELCO	—

DO THE ITEMS BELOW IN THE ORDER LISTED	FOR DETAILS, GO TO	
11	Ensure 3B, 1B Processor, and peripheral units are operating in normal duplex mode.	TELCO	DLP-529
12	Using office records and TEO, at conversion XTSI cabinet, verify each equipped D3U and signal processing unit (SPU) (if equipped) circuit pack location (including protection switch). Save this information for later use.	INST	—
13	At 1B Processor MTC terminal, enter message **VER:OFFICE!**; ensure office is operating on 4E24 release 2 generic or later.	TELCO	—
14	Verify conversion XTSI cabinet unit type (UT) translators (both even and odd members):		
	1. Verify conversion XTSI cabinet UT translators (even member number XTSI) (**VER:UTYPE:XTSI** a**!**).	TELCO	DLP-683
	2. Verify conversion XTSI cabinet UT translators (odd member number XTSI) (**VER:UTYPE:XTSI** b**!**).	TELCO	DLP-684
	3. Verify conversion XTSI cabinet SP UT translators (**VER:UTYPE:SP** a**!**).	TELCO	DLP-685
15	At 1B Processor MTC terminal, verify proper hardware designation for circuit packs are contained in even-numbered conversion XTSI cabinet (**VER:VFUNC SUXTSI:FD1 XTSIMEMN,DT1** a**!**).	TELCO	DLP-651
16	At backplane of conversion XTSI cabinet, determine if In-Band cabling is installed.	INST	—
17	If In-Band cabling is installed, go to Step 66; otherwise, if In-Band cabling is not installed, perform Steps 18 through 57.	TELCO/INST	—
	INSTALLING CONTROLLER 0 INTERNAL IN-BAND CABLING		

18	At MPC 0 power switch (EQL 52-066), operate **ROS/NORM** switch to **ROS** position.
	
	Response: **OS** LED goes on
	
	               At 1B Processor MTC ROP,
	               RMV: XTSI a, **CONTR 0 COMPL**
		TELCO	—

19	At MPC 0 power switch (EQL 52-066), depress **OFF** pushbutton to remove power from CONTR 0.
	
	Response: **OFF** LED goes on
	                OS LED remains on
	
	               At 1B Processor MTC ROP,
	               REPT: MAN PWR RMVD XTSI a, **CONTR 0**
	               RMV: XTSI a, **CONTR 0 COMPL**
		TELCO	—

DO THE ITEMS BELOW IN THE ORDER LISTED	FOR DETAILS, GO TO	
Caution: Extreme care must be used when installing the retainer clips. There is live voltage in the vicinity of where retainer clips are to be installed. Be careful not to bend any pins. Be sure that all pins are properly lined up with the retainer before pressing. If a retainer clip is installed wrong, it is very difficult to remove.		
20 At conversion XTSI cabinet CONTR 0 backplane, install In-Band cable retainer clips.	INST	—
21 Insulate internal In-Band cable connectors that will be hanging temporarily during initial cable connections.	INST	—
Caution: Extreme care must be used when connecting the internal In-Band cables. There is live voltage in the vicinity of where cables are to be connected. No metallic tools should be used. Be careful not to bend any pins.		
22 At conversion XTSI cabinet CONTR 0 backplane, connect the internal In-Band cables.	INST	—
23 At MPC 0 power switch (EQL 52-066), depress **ON** pushbutton to restore power to CONTR 0. Response: **OFF** LED goes off **OS** LED remains on At 1B Processor MTC ROP, **REPT: PWR RSTD XTSI** a**, CONTR 0**	TELCO	—
24 At MPC 0 power switch (EQL 52-066), operate **ROS/NORM** switch to **NORM** position. *Note:* Restoral will take approximately 10 minutes to complete. Response: **ACK** lights until diagnostic completes; then goes off **OS** LED goes off when restoral completes At 1B Processor MTC ROP, **DGN: XTSI** a**, CONTR 0 COMPLETED CATP (00000000 00000400) MSG COMPL RST: XTSI** a**, CONTR 0 COMPL**	TELCO/INST	—

Run NETX on Growth XTSIs at 960 Connect Level

1. **General:**

   1. Apply NETX on all growth XTSIs at the same time.

   2. When XTSI frame completes a 2-hour test interval on all network routes without triggering any TRPFs, terminate NETX, allow and run audits per Step 2.20.

   3. It is very important to keep the log sheet up to date because NETX will be terminated and audits run several times during this portion of procedure. When NETX is restarted, network routing configuration on each growth XTSI member number will be entered separately and the time period will be picked up where it was when NETX was terminated. The amount of time NETX ran in each state before testing was terminated should be entered in comments column on the log sheet.

2. **Test Procedure:**

   1. Set network routing to NORM state on all growth XTSIs using DLP-562.

   2. At 1B Processor MTC terminal, enter message
      EX:LIBSYS:PKG LGx**NETX,PGM NETX,TASK 0,CLIENT 0!**

      where x = current generic program

      Response: Prompt output message which indicates office status.

   3. At 1B Processor MTC terminal, enter message
      IN:LIBSYS:CLIENT 0,ASC(YES)!

      Response: **NETX ENTER AVERAGE OCCUPANCY ON SPCS DESIRED
      DEC(50-960)
      RANGE 841-960 IS APPLICABLE TO XTSI**

   4. Was printout received per the response message in Step 2.3?

      If **Yes**, go to Step 2.6.
      If **No**, go to Step 2.5.

   5. Determine cause and resolve; repeat from Step 2.3.

6. Input NETX program execution data using DLP-564.

7. Monitor growth XTSIs while NETX is being applied to one of four routing states for 2 hours.

8. Did TRPF occur within a 2-hour test interval?

    If **Yes**, go to Step 2.9.
    If **No**, go to Step 2.18.

9. Analyze output message to determine where failure occurred, make applicable entries on log sheet and note any obvious trouble patterns.

10. Does obvious trouble pattern exist?

    If **Yes**, go to Step 2.11.
    If **No**, go to Step 2.15.

11. Attempt to locate trouble and repair.

12. When repair (or attempt) is complete, set network routing back to state where failure occurred using DLP-562.

13. Begin new 2-hour test interval.

14. Repeat from Step 2.7.

    Note: Steps 2.15 through 2.17 are being performed if no obvious trouble pattern exists, and TRPF appears to be intermittent.

15. Set network routing back to state where failure occurred using DLP-562.

16. Begin new 2-hour test interval.

17. Repeat from Step 2.7.

> ***Note:*** Steps 2.18 through 2.23 are being performed if no TRPFs occurred within a 2-hour test interval.

18. Note on log sheet the XTSI and network route which meet the final criteria of this test.

19. Have all four network routing states been successfully tested?

    If **Yes**, go to Step 2.24.
    If **No**, go to Step 2.20.

20. Terminate NETX and run audits using DLP-566.

21. Set network routing to next state to be tested on this XTSI using DLP-562.

22. Begin 2-hour test interval for new state under test.

23. Repeat from Step 2.2.

24. After all network routing configurations have completed 2-hour test interval on each growth XTSI without triggering any TRPFs, terminate NETX and run audits using DLP-566.

25. **STOP! YOU HAVE COMPLETED THIS PROCEDURE.**

Set Up Aims Terminal and Load Command Files

> ***Note:*** The floppy to be loaded contains the input messages to perform XTSI growth/degrowth. If there is a discrepancy between the messages on the floppy and this TOP, the TOP should be followed.
>
> ***Note:*** It is recommended to use an AIMS terminal assigned to MTC terminal.

1. Ensure AIMS software is operating (colored function bar displayed at bottom of screen).

2. At AIMS terminal, depress **Shift** and **F4** keys simultaneously to clear screen memory.

3. Was Do you really want to reset message received?

   If **Yes**, go to Step 4.
   If **No**, go to Step 5.

4. Enter **Y**

5. Depress **F4** key.

   Response: **TERMINAL OPTIONS** menu displayed.

6. Using arrow keys, move cursor to **Session modes/Session options**.

7. Depress **Return** key.

   Response: **SESSION MODES/SESSION OPTIONS** menu displayed.

8. In **SESSION MODES/SESSION OPTIONS** menu, is **Manual receive** highlighted green?

   If **Yes**, go to Step 11.
   If **No**, go to Step 9.

9. Using arrow keys, move cursor to **Manual receive.**

10. Depress **Return** key to highlight **Manual receive.**

11. Depress **F4** key.

    Response: **TERMINAL SETUP/TERMINAL OPTIONS** menu displayed.

12. Using arrow keys, move cursor to **User Files**.

13. Depress **Return** key.

    Response: **USER FILE SETUP** menu displayed.

14. Using arrow keys, move cursor to **Change user directory**.

15. Depress **Return** key.

    Response: **Change User Directory** window displayed.

16. Ensure floppy disk labeled **AIMS XTSI Rel-**a **Growth Aid** (a = Release number of floppy) is not write-enable protected (floppy disk write protection window must be closed - unlocked); then place floppy disk into drive.

17. In **Change User Directory** window type **A:E**xxxx or **B:E**xxxx (drive that will accept AIMS floppy disks).

    Note: Pick the generic closest to the office generic which is not a later generic.

    where   xxxx = **22R1**
                    = **23R1**
                    = **24R1**
                    = **24R2**

18. Depress **Return** key twice.

19. Depress **F4** key twice.

    Response: Blank screen displayed.

20. Depress **F8** key to inhibit terminal screen from receiving output.

21. Depress **CTRL** and **F10** keys simultaneously to activate printouts to the ROP.

22. Ensure ROP is in On-Line mode.

23. Ensure printer associated with AIMS terminal is receiving output.

> ***Note:*** No output will be received on terminal display. All output will be observed on the printer.

24. Depress **Home** key.

25. Depress **F5** key.

26. Depress **F1** key to clear screen memory.

27. Depress **F3** key twice.

    Response:

    REGION COMMANDS menu displayed.

28. Using arrow keys, move cursor to **Read from file.**

29. Depress **Return** key.

    Response: List of command files displayed.

30. Using arrow keys, move cursor to file to be loaded.

31. Depress **Return** key.

    Response: Form entered messages displayed.

32. Depress **F5** key to remove form enter mode.

    > ***Caution: You must ensure that cursor is on proper command before entering.***

33. See TABLE A for helpful hints when 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 **Home** key, then **F5** key, then **F1** key to clear out screen memory.
J.	**OP:RCFORM** a**!** message must not be entered when using AIMS terminal.
K.	At 1B Processor MTC terminal, enter message **MON:CHAN SREC1!** to be able to monitor the SREC1 channel.
L.	At 1B Processor MTC terminal, enter message **STOP:MON;CHAN SREC1!** to stop monitoring the SREC1 channel.

34. **STOP! YOU HAVE COMPLETED THIS PROCEDURE.**

Checklist

ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE
IXL-001		DLP-520		DLP-555		DLP-590	
NTP-002		DLP-521		DLP-556		DLP-591	
NTP-003		DLP-522		DLP-557		DLP-592	
• NTP-004		DLP-523		DLP-558		DLP-593	
NTP-005		DLP-524		DLP-559		DLP-594	
NTP-006		DLP-525		DLP-560		DLP-595	
NTP-007		DLP-526		DLP-561		DLP-596	
NTP-008		DLP-527		DLP-562		DLP-597	
NTP-009		DLP-528		DLP-563		DLP-598	
• NTP-010		DLP-529		DLP-564		DLP-599	
NTP-011		DLP-530		DLP-565		DLP-600	
NTP-012		DLP-531		DLP-566		DLP-601	
• NTP-013		DLP-532		DLP-567		DLP-602	
NTP-014		DLP-533		• DLP-568		DLP-603	
NTP-015		DLP-534		DLP-569		DLP-604	
DLP-500		DLP-535		DLP-570		DLP-605	
DLP-501		DLP-536		DLP-571		DLP-606	
DLP-502		DLP-537		DLP-572		DLP-607	
DLP-503		DLP-538		DLP-573		DLP-608	
DLP-504		DLP-539		DLP-574		DLP-609	
DLP-505		DLP-540		DLP-575		DLP-610	
DLP-506		DLP-541		DLP-576		DLP-611	
DLP-507		DLP-542		• DLP-577		DLP-612	
DLP-508		DLP-543		DLP-578		DLP-613	
DLP-509		DLP-544		DLP-579		DLP-614	
DLP-510		DLP-545		DLP-580		DLP-615	
DLP-511		DLP-546		DLP-581		DLP-616	
DLP-512		DLP-547		DLP-582		DLP-617	
DLP-513		DLP-548		DLP-583		DLP-618	
DLP-514		DLP-549		DLP-584		DLP-619	
DLP-515		DLP-550		DLP-585		DLP-620	
DLP-516		DLP-551		DLP-586		DLP-621	
DLP-517		DLP-552		DLP-587		DLP-622	
DLP-518		DLP-553		DLP-588		DLP-623	
DLP-519		DLP-554		DLP-589		DLP-624	

• Revised or added item

□ Canceled item

ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE
DLP-625 DLP-626 DLP-627 DLP-628 DLP-629		DLP-660 DLP-661 DLP-662 DLP-663 DLP-664		DLP-695 • CKL-891 TNG-893			
DLP-630 DLP-631 DLP-632 DLP-633 DLP-634		DLP-665 DLP-666 DLP-667 DLP-668 DLP-669					
DLP-635 DLP-636 DLP-637 DLP-638 DLP-639		DLP-670 DLP-671 DLP-672 DLP-673 DLP-674					
DLP-640 DLP-641 DLP-642 DLP-643 DLP-644		DLP-675 DLP-676 DLP-677 DLP-678 DLP-679					
DLP-645 DLP-646 DLP-647 DLP-648 DLP-649		DLP-680 DLP-681 DLP-682 DLP-683 DLP-684					
DLP-650 DLP-651 DLP-652 DLP-653 DLP-654		DLP-685 DLP-686 DLP-687 DLP-688 DLP-689					
DLP-655 DLP-656 DLP-657 DLP-658 DLP-659		DLP-690 DLP-691 DLP-692 DLP-693 DLP-694					

• Revised or added item

□ Canceled item