

The Open Group  
COE Platform Certification Program  
Chapter 7  
Developer's Toolkit and Runtime  
Validation Procedure

*Posix-Based Platform Compliance (PPC)*  
*COE Kernel revision level 4.5p6*

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## 1. Overview

### 1.1 Introduction

This chapter defines the Developer's Toolkit and Runtime Manual Validation Procedure and is part of the required set of test procedures to be used in the certification of products to the Open Brand COE Platform Product Standard<sup>1</sup>.

## 2. Test Purpose

### 2.1 Scope:

This test provides a detailed test of the developer tools in the COE Developer's Toolkit in addition to the routines in the COE Runtime API. Testing will be preformed on sample segments.

### 2.2 Description of test items

The following functions will be exercised:

- A. **Login**
- B. **Verify the "Help" (-h and -H) and "Version" (-V) Options for all Developer Tools**
- C. **TimeStamp**
- D. **MakeAttribs**
- E. **CalcSpace**- computes the space (in bytes) required for the segment specified and updates the Hardware descriptor accordingly.
- F. **VerUpdate**
- G. **Verify Functionality and Options of VerifySeg**
- H. **Verify Functionality and Options of MakeInstall**
- I. **Verify Functionality and Options of CanInstall**
- J. **Verify Functionality and Options of TestInstall and TestRemove**
- K. **Public API Test**
- Z. **Logout**

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<sup>1</sup> See <http://www.opengroup.org/openbrand/coe/>

The following tools are tested:

CalcSpace - computes the space (in bytes) required for the segment specified and updates the Hardware descriptor accordingly.

CanInstall - tests a segment to see if it can be installed. It performs the same test that Segment Installer does at installation time. This tool provides the developer an easy way to test the installation of a segment without using the Segment Installer.

MakeAtribs - recursively traverses every subdirectory beneath a segment's home directory and creates a descriptor file FileAtribs.

```
permits:owner:group:filename
```

At installation time the installation tools perform the following statement for each entry:

```
chmod permits $INSTALL_DIR/filename  
chown owner $INSTALL_DIR/filename  
chgrp owner $INSTALL_DIR/filename
```

Testing will ensure that no file owned by root nor any files have permissions greater than 777.

TestInstall - is used to temporarily install a segment that already resides on disk. The same operations as Segment Installer will be performed except that it does not need to read the segment from tape (e.g., it is already on disk), and the segment may be in any arbitrary location.

TestRemove - used to remove a segment that was installed by TestInstall

TimeStamp - puts the current time and date into the VERSION descriptor.

Time Stamp is intended to assist the configuration management process by allowing the time stamp to be updated just prior to running VerifySeg.

VerUpdate - used to update the VERSION descriptor. VerUpdate updates the segment version number, date and time in the VERSION descriptor file. If no version number is specified, the tool increments the version number contained in the descriptor file. Testing will be performed on sample segments to ensure functionality.

VerifySeg - validates that a segment conforms to the COE Compliance rules for defining a segment.

VerifySeg - uses information in the SegDescriptor subdirectory and must be run whenever the segment is modified. VerifySeg is a validation process that will be run against sample segments to verify compliance.

COEFindSeg - returns information about requested segments. Testing includes verification of parameters such as help, version, directory, segment name, type segment attribute and error status.

COEAskUser - is intended for use in the PostInstall script to display a message to the user and have the user respond with a Yes or No, True or False or Accept or Cancel; basic testing of creating prompt windows using the COEAskUser tool and responding with correct response; and for verification of valid parameters.

COEMsg - is intended to be used by PreInstall, PostInstall and DEINSTALL to display an information message to the user; basic testing of creating prompt window using the COEMsg tool during PreInstall, PostInstall and DEINSTALL; and for verification of valid parameters.

COEPrompt - is intended to be used by PreInstall, PostInstall and DEINSTALL to display an information message to the user; basic testing of creating prompt window using the COEMsg tool during PreInstall, PostInstall and DEINSTALL; and for verification of valid parameters.

COEPromptPasswd - is similar to COEPrompt in syntax and operation. It is intended to be used in PreInstall and PostInstall to prompt a user to enter a password. The user's response is echoed on the screen. It is also used for basic testing of creating prompt windows using the COEMsg tool during PreInstall and PostInstall; to prompt user for password; and for verification of valid parameters.

### 2.3 Test Data/Media Required

The following segments are required to execute this test:

COE Developer's Toolkit Version 4.2.0.5

### 2.4 Setup/Equipment Required

The COE Kernel 4.2.0.OP6 and the KPC Test Data segment have been installed on the test platform. The working directory is /kpc/tk.

## 2.5 Required Personnel

A single (1) tester will be required. The tester must be familiar with POSIX/UNIX application platforms, but need not be familiar with the Common Operating Environment (COE).

## 2.6 Change History

**June 02, 2003**

Initial Release

3. Test Procedure Submission Form

**Test Title: Developer's Toolkit and Runtime Validation Procedure**

Candidate Platform: \_\_\_\_\_ Date: \_\_\_\_\_  
Tester: \_\_\_\_\_ Estimated Runtime: 6 hours \_\_\_\_\_  
Start Time: \_\_\_\_\_ End Time: \_\_\_\_\_ Actual Runtime: \_\_\_\_\_  
Test Site/Organization: \_\_\_\_\_ Overall Test Result (Circle One): PASS / FAIL

**Configuration Validated**

Hardware Platform: \_\_\_\_\_ System Software: \_\_\_\_\_  
Network Type: \_\_\_\_\_ Printer: \_\_\_\_\_  
Local Devices (if any): \_\_\_\_\_

## Start of Validation Procedure

### 4. Test Procedure

	Operator Action	Expected Result	Observed Result
A	4.1 Setup		
A.1	Test Data Installation		
A.1.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). Login as sysadmin.	The desktop appears.	Startup
A.1.2	Insert the DII COE Kernel and Toolkit Source Code, Test Data, and Documentation CD-ROM into the CD-ROM drive.	The CD-ROM is inserted.	Startup
A.1.3	Select Applications > Application Manager > DII_APPS.	The Application Manager window appears.	Startup
A.1.4	Double-click Segment Installer in the Application Manager - SysAdm window.	The Installer window appears.	Setup
A.1.5	Click Select Source.	Select Source is selected.	Setup



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
A.1.6	Click CD-ROM.	CD-ROM is selected.	Setup
A.1.7	Click TD42P6.tar.	TD42P6.tar is selected.	Setup
A.1.8	Click OK.	The Installer window reappears.	Setup
A.1.9	Click Read Contents.	The Installer window disappears while message boxes appear informing that the system is Checking media and then Read Contents in progress.  The Installer window reappears with KPC Test Data for 4200P6 Version 1.0.0.0 listed under Select Software To Install.	Setup
A.1.10	Select the KPC Test Data for 4200P6 Version 1.0.0.0.	KPC Test Data for 4200P6 Version 1.0.0.0 is highlighted.	Setup
A.1.11	Click Install.	AN ENTER A PASSWORD dialog box appears.	Setup
A.1.12	Enter the APM Authentication key in the text box.	Asterisks appear in the text box.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
A.1.13	Click OK.	The dialog box disappears.  A RESPOND TO THE MESSAGE dialog box appears with the message  Please insert CD Volume #1 for the segment 'KPC Test Data for 4200P6! When you are ready press the OK button.	Setup
A.1.14	Click OK.	The Installer window reappears.	Setup
A.1.15	Verify that KPC Test Data for 4200P6 appears in the list under Currently Installed Segments.	KPC Test Data for 4200P6 appears in the list under Currently Installed Segments.	Setup
A.1.16	Eject the CD-ROM.	The CD-ROM ejects.	Setup
<b>A.2</b>	<b>Install the Developer's Toolkit on the Candidate Platform (kpccp)</b>		
A.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  Load the DII COE Developer's Toolkit tape into the tape drive or CD into the CD drive.	The tape or CD loads.	Startup
A.2.2	Open a Terminal window.	A Terminal window appears with a command line prompt.	Startup
A.2.3	At the command prompt type  su -	The Password prompt returns.	Startup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
A.2.4	At the Password prompt type the root password.	The command prompt returns.	Startup
A.2.5	At the command prompt type csh	The command prompt returns.	Startup
A.2.6	At the command prompt type /h/COE/Comp/APM/bin/APM_KeyServer	The Key Server dialog box appears.	Startup
A.2.7	Enter the Master APM Authentication key and click OK.	A confirmation dialog box appears indicating that the key server has started.	Startup
A.2.8	Click OK.	The dialog boxes disappear.	Startup
A.2.9	<b>If installing from tape:</b> At the command prompt type cd /tmp [r] tar xvf /dev/rmt/Xm	The command prompt returns.	Startup
A.2.10	At the command prompt type cd /h	The command prompt returns.	Startup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
A.2.11	At the command prompt type /cdrom/cdrom0/DIIDEV_mp (for CD) or /cdrom/cdrom0/seg/DIIDEV_4205_sol_mp (for the KPC CD) or /tmp/DIIDEV_mp (for tape)	File names are displayed in the Terminal window as they are extracted.  The command prompt returns.	Startup
A.2.12	At the command prompt type echo \$shell	/bin/csh is displayed and a command prompt returns.	Setup
A.2.13	At the command prompt type set path=(\$path /h/DII_DEV/bin)	The command prompt returns.	Setup

	Operator Action	Expected Result	Observed Result
<b>B</b>	4.2 Verify the "Help" (-h and -H) and "Version" (-V) Options For All Developer Tools		
<b>B.1</b>	<b>Execute the -h, -H, -V Test Script</b>		
B.1.1	<p><b>NOTE:</b> Perform the following step on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cd /kpc/tk</pre>	The command prompt returns.	Startup
B.1.2	<p>At the command prompt type</p> <pre>./TKhHV.test</pre>	<p>The following messages appear:</p> <pre>There should be no differences between the files in TkhHVout.orig and TkhKVout.new  Done</pre> <p><b>NOTE:</b> The TkhHVout.orig file assumes a Toolkit version 4.2.0.5 (the latest Solaris 8 released version). If the vendor's supplied toolkit is version 4.2.0.6, a difference will appear. This is not a failure of this step.</p>	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
C	4.3 TimeStamp		
C.1	Verify Valid Parameters		
C.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cd /kpc/tk/TSseg/SegDescrip</pre>	The command prompt returns.	Setup
C.1.2	<p>At the command prompt type</p> <pre>more VERSION</pre>	The VERSION file is viewed and the date and time fields noted.	<p>Circle one: PASS / FAIL</p> <p>Date: _____</p> <p>Time: _____</p>
C.1.3	<p>At the command prompt type</p> <pre>TimeStamp -p /kpc/tk TSseg</pre>	The command prompt returns.	Circle one: PASS / FAIL
C.1.4	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.1.5	At the command prompt type date	The current system date and time are displayed.	Circle one: PASS / FAIL  Date: _____ Time: _____
C.1.6	At the command prompt type more VERSION	TimeStamp updated the VERSION file to reflect the current date and a time that is very close to the current system time.	Circle one: PASS / FAIL  Date: _____ Time: _____
<b>C.2</b>	<b>Verify Invalid Parameters/Entries</b> <b>NOTE: The tool should error with invalid entries</b>		
C.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type TimeStamp	The tool's help is displayed and a command prompt returns.	Circle one: PASS / FAIL
C.2.2	At the command prompt type TimeStamp Tester	Error message will indicate that segment specified does not exist.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>C.3</b>	<b>Verify Invalid VERSION Files</b>		
C.3.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>more VERSION</pre>	The VERSION file is viewed and the date and time fields noted.	<p>Setup</p> <p>Date: _____</p> <p>Time: _____</p>
C.3.2	<p>At the command prompt type</p> <pre>cp -p /kpc/tk/TSdata/version4 ./VERSION</pre>	The command prompt returns.	Setup
C.3.3	<p>At the command prompt type</p> <pre>TimeStamp -p /kpc/tk TSseg</pre>	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.3.4	<p>At the command prompt type</p> <pre>more VERSION</pre>	This test case has an invalid version and no time (.2.0.0.1 : 10/25/94).	Circle one: PASS / FAIL
C.3.5	<p>At the command prompt type</p> <pre>cp -p /kpc/tk/TSdata/version2 ./VERSION</pre>	The command prompt returns.	Setup
C.3.6	<p>At the command prompt type</p> <pre>TimeStamp -p /kpc/tk TSseg</pre>	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.3.7	<p>At the command prompt type</p> <pre>more VERSION</pre>	This test case has an invalid version and no time (0.0.1 : 10/25/94).	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.3.8	At the command prompt type cp -p /kpc/tk/TSdata/version1 ./VERSION	The command prompt returns.	Setup
C.3.9	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.3.10	At the command prompt type more VERSION	This test case has an invalid version and no time (0.1 : 10/25/94).	Circle one: PASS / FAIL
C.3.11	At the command prompt type cp -p /kpc/tk/TSdata/version0 ./VERSION	The command prompt returns.	Setup
C.3.12	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.3.13	At the command prompt type more VERSION	This test case has an invalid version and no time (1 : 10/25/94).	Circle one: PASS / FAIL
C.3.14	At the command prompt type cp -p /kpc/tk/TSdata/version_none ./VERSION	The command prompt returns.	Setup
C.3.15	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.3.16	At the command prompt type more VERSION	This test case has an invalid version ( 10/25/94 : 13:45).	Circle one: PASS / FAIL
C.3.17	At the command prompt type rm VERSION	The command prompt returns.	Setup
C.3.18	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message: ERROR, Unable To Get [VERSION] Descriptor Information	Circle one: PASS / FAIL
C.3.19	At the command prompt type more VERSION	An error message is displayed indicating there is no VERSION file.	Circle one: PASS / FAIL
C.3.20	At the command prompt type cp -p /kpc/tk/TSdata/versionA ./VERSION	The command prompt returns.	Setup
C.3.21	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.3.22	At the command prompt type more VERSION	This test case has an invalid version (A.B.C.D: 10/25/94 : 17:34).	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
C.4	<b>Verify Tool Functionality With Valid Versions But Invalid Dates and Times</b> <b>NOTE: The tool should update the VERSION file correctly when run against VERSION files containing invalid dates and times</b>		
C.4.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type <pre>cp -p /kpc/tk/TSdata/version_no_time [s] ./VERSION</pre>	The command prompt returns.	Setup
C.4.2	At the command prompt type <pre>TimeStamp -p /kpc/tk TSseg</pre>	The command prompt returns. No errors or warnings returned.	Circle one: PASS / FAIL
C.4.3	At the command prompt type <pre>echo \$status</pre>	0 is displayed.	Circle one: PASS / FAIL
C.4.4	At the command prompt type <pre>date</pre>	The current system date and time are displayed.	Circle one: PASS / FAIL  Date: _____ Time: _____

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.4.5	At the command prompt type more VERSION	TimeStamp updated the VERSION file to reflect the current date and a time that is very close to the current system time	Circle one: PASS / FAIL  Date: _____ Time: _____
<b>C.5</b>	<b>Verify Tool Functionality With Invalid VERSION File Formats</b>		
C.5.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type cp -p /kpc/tk/TSdata/version_semi [s] ./VERSION	The command prompt returns.	Setup
C.5.2	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.5.3	At the command prompt type more VERSION	This test case has a valid version, date and time, but also contains invalid separators (3.0.0.1 ; 10/25/94 ; 23:22).	Circle one: PASS / FAIL
C.5.4	At the command prompt type cp -p /kpc/tk/TSdata/version_space [s] ./VERSION	The command prompt returns.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.5.5	At the command prompt type TimeStamp -p /kpc/tk TSseg	The tool displays an error message. [VERSION] segment version number does not conform to the COE.	Circle one: PASS / FAIL
C.5.6	At the command prompt type more VERSION	This test case has a valid version, date and time, but doesn't contain separators, (3.0.0.1 10/25/94 22:22).	Circle one: PASS / FAIL
C.5.7	At the command prompt type cp -p /kpc/tk/TSdata/VERSION.orig [s] ./VERSION	The command prompt returns.	Cleanup
<b>D</b>	<b>4.4 MakeAttribs</b>		
<b>D.1</b>	<b>Verify Correct Functionality When Files of Varying Permission and Ownership Exist. Pipe the Results To an Output File So That They Can Be Viewed and Compared To the Baseline File</b>		
D.1.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type cd /kpc/tk	The command prompt returns.	Setup
D.1.2	At the command prompt type rm -f MAseg/SegDescrip/FileAttribs	The command prompt returns.	Setup
D.1.3	At the command prompt type MakeAttribs -p . MAseg >& tmp/MAout.new	The command prompt returns.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
D.1.4	At the command prompt type echo \$status	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
D.1.5	At the command prompt type diff tmp/MAout.new MAdata/MAout.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
D.1.6	At the command prompt type diff MAsseg/SegDescrip/FileAttribs [s] MAdata/FileAttribs.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
D.1.7	At the command prompt type rm MAsseg/SegDescrip/FileAttribs	The command prompt returns.	Cleanup
<b>D.2</b>	<b>Running Tool With Verbose -v Parameter</b>		
D.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type MakeAttribs -v -p . MAsseg >& tmp/MAout-v.new	The command prompt returns.	Circle one: PASS / FAIL
D.2.2	At the command prompt type echo \$status	A status of 0 (indicating success) is displayed.	Circle one: PASS / FAIL
D.2.3	At the command prompt type diff tmp/MAout-v.new MAdata/MAout-v.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
D.2.4	At the command prompt type diff MAseg/SegDescrip/FileAttribs [s] MAdata/FileAttribs-v.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
D.2.5	At the command prompt type rm MAseg/SegDescrip/FileAttribs	The command prompt returns.	Cleanup
<b>D.3</b>	<b>Run the Tool With Suppress Warning –w Parameter</b>		
D.3.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type MakeAttribs -w -p . MAseg >& tmp/MAout-w.new	The command prompt returns.	Circle one: PASS / FAIL
D.3.2	At the command prompt type echo \$status	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
D.3.3	At the command prompt type diff tmp/MAout-w.new MAdata/MAout-w.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
D.3.4	At the command prompt type diff MAseg/SegDescrip/FileAttribs [s] MAdata/FileAttribs-w.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
D.3.5	At the command prompt type rm MAseg/SegDescrip/FileAttribs	The command prompt returns.	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>D.4</b>	<b>Test the Tool To See If It Defaults To /h When the Path Is Not Specified As Stated In the Help Option. At the Same Time, Test the Tool You See If It Is Overwriting the FileAttribs File As It Should</b>		
D.4.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type <code>cp -pr MAseg /h</code>	The command prompt returns.	Circle one: PASS / FAIL
D.4.2	At the command prompt type <code>MakeAttribs MAseg</code>	Warnings will indicate files have execute permissions set, have permissions greater than 777, or have permissions equal to 777 and system will return a command prompt.	Circle one: PASS / FAIL
D.4.3	At the command prompt type <code>echo \$status</code>	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
D.4.4	At the command prompt type <code>date</code>	Date and time from the system is displayed and a command prompt returns.	Circle one: PASS / FAIL
D.4.5	At the command prompt type <code>ls -la /h/MAseg/SegDescrip</code>	Files including <code>FileAttribs</code> under <code>/h/MAseg/SegDescrip</code> are listed and a command prompt returns. <code>FileAttribs</code> has a current date and current time.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>D.5</b>	<b>Cleaning Up System After Testing This Tool</b>		
D.5.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>rm -rf /h/MAseg</pre>	The command prompt returns.	Cleanup
D.5.2	<p>At the command prompt type</p> <pre>rm tmp/*</pre>	The command prompt returns.	Cleanup
<b>E</b>	<b>4.5 CalcSpace</b>		
<b>E.1</b>	<b>Verify Tool With Basic Parameters</b>		
E.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cd /kpc/tk</pre>	The command prompt returns.	Circle one: PASS / FAIL
E.1.2	<p>At the command prompt type</p> <pre>more CSseg/SegDescrip/SegInfo</pre>	<p>Verify the CalcSpace tool computes the space (in bytes) required for the segment specified.</p> <p>The \$DISK keyword has the following data:</p> <pre>\$DISK:1000:1000</pre>	Circle one: PASS / FAIL
E.1.3	<p>At the command prompt type</p> <pre>CalcSpace -v -p . CSseg</pre>	The size of the segment will output to the screen. Some warnings may also be displayed.	Circle one: PASS / FAIL
E.1.4	<p>At the command prompt type</p> <pre>echo \$status</pre>	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
E.1.5	At the command prompt type more CSseg/SegDescrip/SegInfo	The Hardware descriptor will be updated accordingly to the size value calculated and returned by the CalcSpace tool. The reserve value is still 1000.	Circle one: PASS / FAIL
E.1.6	At the command prompt type CalcSpace -p . CSseg >& tmp/CSout.new	The command prompt returns.	Circle one: PASS / FAIL
E.1.7	At the command prompt type echo \$status	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
E.1.8	At the command prompt type diff tmp/CSout.new CSdata/CSout.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL
<b>E.2</b>	<b>Run Tool With the Verbose -v Parameter</b>		
E.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type CalcSpace -v -p . CSseg >& tmp/CSout-v.new	The command prompt returns.	Circle one: PASS / FAIL
E.2.2	At the command prompt type echo \$status	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
E.2.3	At the command prompt type diff tmp/CSout-v.new CSdata/CSout-v.orig	The command prompt returns with no messages.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>E.3</b>	<b>Run the Tool With Suppress Warning -w Parameter</b>		
E.3.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CalcSpace -w -p . CSseg &gt;&amp; tmp/CSout-w.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
E.3.2	<p>At the command prompt type</p> <pre>echo %status</pre>	A status of 0 (indicating success) is displayed and a command prompt returns.	Circle one: PASS / FAIL
E.3.3	<p>At the command prompt type</p> <pre>diff tmp/CSout-w.new CSdata/CSout- w.orig</pre>	The command prompt returns with no messages.	Circle one: PASS / FAIL
<b>E.4</b>	<b>Verify That An Error Is Returned If A Segment Is Missing SegInfo</b>		
E.4.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>mv CSseg/SegDescrip/SegInfo [s] CSseg/SegDescrip/SegInfo.orig</pre>	The command prompt returns.	Setup
E.4.2	<p>At the command prompt type</p> <pre>CalcSpace -p . CSseg</pre>	An error message is displayed stating that the required SegInfo file is not found.	Circle one: PASS / FAIL
E.4.3	<p>At the command prompt type</p> <pre>mv CSseg/SegDescrip/SegInfo.orig [s] CSseg/SegDescrip/SegInfo</pre>	The command prompt returns.	Cleanup

	Operator Action	Expected Result	Observed Result
<b>F</b>	4.6 VerUpdate		
<b>F.1</b>	<b>Verify Basic Parameters</b>		
F.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cd /kpc/tk/VUseg/SegDescrip</pre>	The command prompt returns.	Setup
F.1.2	<p>At the command prompt type</p> <pre>more VERSION</pre>	The version is viewed and noted.	<p>Circle one: PASS / FAIL</p> <p>Version: _____</p> <p>Date: _____</p> <p>Time: _____</p>
F.1.3	<p>At the command prompt type</p> <pre>VerUpdate -p /kpc/tk VUseg</pre>	<p>The following message is displayed:</p> <pre>No Version Number Update Is Specified On The Command Line. The fourth digit of the Segment Version Number will be Automatically Incremented. The version number 1.2.3.5 has been inserted into the VERSION file.</pre>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.4	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.5	At the command prompt type date	The current system date and time are displayed.	Circle one: PASS / FAIL  Date: _____ Time: _____
F.1.6	At the command prompt type more VERSION	VerUpdate updated the VERSION file to reflect the incremented version number and current date and time.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____
F.1.7	At the command prompt type cp -rp /kpc/tk/VUseg /h/ValidSeg	The command prompt returns.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.8	At the command prompt type more [s] /h/ValidSeg/SegDescrip/VERSION	The VERSION file is viewed and noted.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____
F.1.9	At the command prompt type VerUpdate ValidSeg	The following message is displayed: No Version Number Update Is Specified On The Command Line. The fourth digit of the Segment Version Number Will Be Automatically Incremented. The version number 1.2.3.6 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.10	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.11	At the command prompt type date	The current system date and time are displayed.	Circle one: PASS / FAIL  Date: _____ Time: _____

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.12	At the command prompt type more /h/ValidSeg/SegDescrip/VERSION	VerUpdate updated the VERSION file to reflect the incremented version number and current date and time.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____
F.1.13	At the command prompt type more VERSION	The VERSION file is viewed and noted.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____
F.1.14	At the command prompt type VerUpdate -d 1 -p /kpc/tk VUseg	The following message is displayed: The version number 2.2.3.5 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.15	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.16	At the command prompt type more VERSION	The version number is changed to 2.2.3.5.	Circle one: PASS / FAIL
F.1.17	At the command prompt type VerUpdate -d 2 -p /kpc/tk VUseg	The following message is displayed: The version number 2.3.3.5 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.18	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.19	At the command prompt type more VERSION	The version number is changed to 2.3.3.5.	Circle one: PASS / FAIL
F.1.20	At the command prompt type VerUpdate -d 3 -p /kpc/tk VUseg	The following message is displayed: The version number 2.3.4.5 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.21	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.22	At the command prompt type more VERSION	The version number is changed to 2.3.4.5.	Circle one: PASS / FAIL
F.1.23	At the command prompt type VerUpdate -d 4 -p /kpc/tk VUseg	The following message is displayed: The version number 2.3.4.6 has been inserted into the VERSION file.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.24	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.25	At the command prompt type more VERSION	The version number is changed to 2.3.4.6.	Circle one: PASS / FAIL
F.1.26	At the command prompt type VerUpdate -d 12 -p /kpc/tk VUseg	The following message is displayed: The version number 3.4.4.6 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.27	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.28	At the command prompt type more VERSION	The version number is changed to 3.4.4.6.	Circle one: PASS / FAIL
F.1.29	At the command prompt type VerUpdate -d 1234 -p /kpc/tk VUseg	The following message is displayed: The version number 4.5.5.7 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.30	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.31	At the command prompt type more VERSION	The version number is changed to 4.5.5.7.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.32	At the command prompt type VerUpdate -d 31 -p /kpc/tk VUseg	The following message is displayed: The version number 5.5.6.7 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.33	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.34	At the command prompt type more VERSION	The version number is changed to 5.5.6.7.	Circle one: PASS / FAIL
F.1.35	At the command prompt type VerUpdate -p /kpc/tk VUseg	The following message is displayed: The version number 5.5.6.8 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.1.36	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.1.37	At the command prompt type more VERSION	The version number is changed to 5.5.6.8.	Circle one: PASS / FAIL
F.1.38	At the command prompt type cp -p /kpc/tk/VUdata/version_sol ./VERSION	The command prompt returns.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.39	At the command prompt type more VERSION	The VERSION file is viewed and noted.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____
<b>F.2</b>	<b>Verify Invalid Parameters/Entries</b>		
F.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type VerUpdate	The tool's help is displayed and a command prompt returns.	Circle one: PASS / FAIL
F.2.2	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL
F.2.3	At the command prompt type VerUpdate Tester	Error message will indicate that segment specified does not exist.	Circle one: PASS / FAIL
F.2.4	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.2.5	At the command prompt type VerUpdate -i 2.0 -p /kpc/tk VUseg	The following message is displayed: VerUpdate: Validate Version Length From 7 Up To 32 Characters Long (example 1.0.0.0) Not 3	Circle one: PASS / FAIL
F.2.6	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL
F.2.7	At the command prompt type more VERSION	The version number is still 1.2.3.4/SOL .	Circle one: PASS / FAIL
F.2.8	At the command prompt type VerUpdate -i 2.1.1.1.1 -p /kpc/tk VUseg	The following error message is displayed: VerUpdate: Invalid Version Format: 2.1.1.1.1, Use Format 1.0.0.0	Circle one: PASS / FAIL
F.2.9	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL
F.2.10	At the command prompt type more VERSION	The version number is still 1.2.3.4/SOL .	Circle one: PASS / FAIL
F.2.11	At the command prompt type VerUpdate -i 2.0.0.. -p /kpc/tk VUseg	The following error message is displayed: VerUpdate: Invalid Version Format: 2.0.0.., Use Format 1.0.0.0	Circle one: PASS / FAIL
F.2.12	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL
F.2.13	At the command prompt type more VERSION	The version number is still 1.2.3.4/SOL .	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.2.14	At the command prompt type VerUpdate -i .2.1. -p /kpc/tk VUseg	The following message is displayed: VerUpdate: Validate Version Length From 7 Up To 32 Characters Long (example 1.0.0.0) Not 5	Circle one: PASS / FAIL
F.2.15	At the command prompt type echo \$status	255 is displayed.	Circle one: PASS / FAIL
F.2.16	At the command prompt type more VERSION	The version number is still 1.2.3.4/SOL .	Circle one: PASS / FAIL
<b>F.3</b>	<b>Verify Function With Invalid VERSION Files</b>		
F.3.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type cp -p /kpc/tk/VUdata/version_none ./VERSION	The command prompt returns.	Setup
F.3.2	At the command prompt type more VERSION	The VERSION file is viewed and noted. The version number field is blank.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.3.3	At the command prompt type VerUpdate -p /kpc/tk VUseg	The following message is displayed:  No Version Number Found In File. Version Number Set To 1.0.0.0. The version number 1.0.0.0 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.3.4	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.3.5	At the command prompt type more VERSION	The version number is 1.0.0.0.	Circle one: PASS / FAIL
F.3.6	At the command prompt type cp -p /kpc/tk/VUdata/version_no_time ./VERSION	The command prompt returns.	Setup
F.3.7	At the command prompt type more VERSION	The VERSION file is viewed and noted. The time field is blank.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.3.8	At the command prompt type VerUpdate -p /kpc/tk VUseg	The following message is displayed:  No Version Number Update Is Specified On The Command Line. The fourth digit of the Segment Version Number Will Be Automatically Incremented. The version number 1.2.3.5 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.3.9	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.3.10	At the command prompt type more VERSION	The version number is 1.2.3.5.  The current date and time are displayed.	Circle one: PASS / FAIL
F.3.11	At the command prompt type cp -p /kpc/tk/VUdata/version_no_date ./VERSION	The command prompt returns.	Setup
F.3.12	At the command prompt type more VERSION	The VERSION file is viewed and noted. The date and time fields are blank.	Circle one: PASS / FAIL  Version: _____ Date: _____ Time: _____

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.3.13	At the command prompt type VerUpdate -p /kpc/tk VUseg	The following messages are displayed: [VERSION] segment version date is missing.  No Version Number Update Is Specified On The Command Line. The fourth digit of the Segment Version Number Will Be Automatically Incremented. The version number 1.2.3.5 has been inserted into the VERSION file.	Circle one: PASS / FAIL
F.3.14	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.3.15	At the command prompt type more VERSION	The version number is 1.2.3.5.  The current date and time are displayed.	Circle one: PASS / FAIL
<b>F.4</b>	<b>Verify Tool Functionality With No VERSION File</b>		
F.4.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type rm VERSION	The command prompt returns.	Setup
F.4.2	At the command prompt type VerUpdate -p /kpc/tk VUseg	The following message is displayed:  No Version File Found. Version Number Set To 1.0.0.0	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.4.3	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.4.4	At the command prompt type more VERSION	The version number is 1.0.0.0. The current date and time are displayed.	Circle one: PASS / FAIL
F.4.5	At the command prompt type rm VERSION	The command prompt returns.	Setup
F.4.6	At the command prompt type VerUpdate -i 3.3.3.3 -p /kpc/tk VUseg	The following message is displayed: No Version File Found. Version Number Set To 3.3.3.3	Circle one: PASS / FAIL
F.4.7	At the command prompt type echo \$status	0 is displayed.	Circle one: PASS / FAIL
F.4.8	At the command prompt type more VERSION	The version number is 3.3.3.3. The current date and time are displayed.	Circle one: PASS / FAIL
F.4.9	At the command prompt type cp /kpc/tk/VUdata/VERSION.orig ./VERSION	The command prompt returns.	Cleanup

	Operator Action	Expected Result	Observed Result
<b>G</b>	4.7 Verify Functionality and Options Of VerifySeg		
<b>G.1</b>	<b>Verify the VerifySeg “-p” Option</b>		
G.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cd /kpc/tk</pre>	The command prompt returns.	
G.1.2	<p>At the command prompt type</p> <pre>VerifySeg -p . VSseg &gt;&amp; tmp/VSOutput.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.1.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.1.4	<p>At the command prompt type</p> <pre>diff tmp/VSOutput.new VSseg/Integ/VSOutput</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.2</b>	<b>Verify the VerifySeg “-v” Option</b>		
G.2.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -v -p . VSseg &gt;&amp; tmp/VSout-v.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.2.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.2.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-v.new VSdata/VSout- v.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
<b>G.3</b>	<b>Verify the VerifySeg “-w” Option</b>		
G.3.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -w -p . VSseg &gt;&amp; tmp/VSout-w.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.3.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.3.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-w.new VSdata/VSout- w.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.4</b>	<b>Verify the VerifySeg “-C” Option</b>		
G.4.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cp -p VSdata/VSargs /h</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.4.2	<p>At the command prompt type</p> <pre>VerifySeg -C VSargs &gt;&amp; tmp/VSout-C.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.4.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.4.4	<p>At the command prompt type</p> <pre>diff tmp/VSout-C.new VSdata/VSout-C.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
G.4.5	<p>At the command prompt type</p> <pre>rm -f /h/VSargs</pre>	The command prompt returns.	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.5</b>	<b>Verify the VerifySeg “-e” Option</b>		
G.5.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -e -p . VSseg &gt;&amp; tmp/VSout-e.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.5.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.5.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-e.new VSdata/VSout- e.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
<b>G.6</b>	<b>Verify the VerifySeg “-f” Option</b>		
G.6.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -f -p . VSseg &gt;&amp; tmp/VSout-f.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.6.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.6.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-f.new VSdata/VSout- f.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.7</b>	<b>Verify the VerifySeg “-o” Option</b>		
G.7.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -o -p . VSseg &gt;&amp; tmp/VSout-o.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.7.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.7.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-o.new VSdata/VSout- o.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
<b>G.8</b>	<b>Verify the VerifySeg “-s” Option</b>		
G.8.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -s SegInfo -p . VSseg &gt;&amp; [s] tmp/VSout-s.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.8.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.8.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-s.new VSdata/VSout- s.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.9</b>	<b>Verify the VerifySeg “-t” Option</b>		
G.9.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -t &gt;&amp; tmp/VSout-t.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.9.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.9.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-t.new VSdata/VSout-t.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.10</b>	<b>Verify the VerifySeg “-x” Option</b>		
G.10.1	<p><b>NOTE:</b> Perform the following step on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>./VS-x.test</pre>	<p>The following messages appear:</p> <pre>There should be no differences between the files in VSdata/VSout-x.orig and VSdata/VSout-x.new</pre> <p>Done</p> <p>The message No match may also appear.</p>	Circle one: PASS / FAIL
<b>G.11</b>	<b>Verify that VerifySeg’s Validation Mechanisms Detect COE Violations and Report Basic Segment Errors</b>		
G.11.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cp -p VSdata/SegName.err [s] VSseg/SegDescrip/SegName</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.11.2	<p>At the command prompt type</p> <pre>VerifySeg -p . VSseg &gt;&amp; tmp/VSout_err.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.11.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	A number other than 0 is returned.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
G.11.4	Compare the VerifySeg output with the default output. Type:  diff tmp/VSout_err.new VSdata/VSout_err.orig	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
G.11.5	At the command prompt type  cp -p VSdata/SegName.orig [s] VSseg/SegDescrip/SegName	The command prompt returns.	Cleanup
<b>G.12</b>	<b>Verify That VerifySeg's Validation Mechanisms Detect Segment Anomalies and Report Basic Segment Warnings</b>		
G.12.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  VerifySeg -p . VSseg_w >& tmp/VSout_warn.new	The command prompt returns.	Circle one: PASS / FAIL
G.12.2	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL
G.12.3	At the command prompt type  diff tmp/VSout_warn.new VSdata/VSout_warn.orig	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G.13</b>	<b>Verify That VerifySeg Can Properly Validate Segments of Each Segment Type</b>		
G.13.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>./VS-type.test</pre>	<p>The following messages appear in the terminal window:</p> <p>There should be no differences between the files in VSdata/VSout-type.orig and VSdata/VSout-type.new</p> <p>Done</p> <p>The message No match may also appear.</p>	Circle one: PASS / FAIL
<b>G.14</b>	<b>Verify the VerifySeg Can Properly Process the Process Descriptor</b>		
G.14.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>VerifySeg -p . ProcSeg &gt;&amp; tmp/VSout-proc.new</pre>	The command prompt returns.	Circle one: PASS / FAIL
G.14.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
G.14.3	<p>At the command prompt type</p> <pre>diff tmp/VSout-proc.new VSdata/VSout-proc.orig</pre>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>H</b>	4.8 Verify Functionality and Options Of MakeInstall		
<b>H.1</b>	<b>Verify the MakeInstall “-p” Option Using A Tape</b>		
H.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>Insert a blank tape into the tape drive.</p>	The tape is accepted.	Setup
H.1.2	<p>At the command prompt type</p> <pre>mt rew</pre> <p><b>NOTE:</b> This command is OS specific and assumes that /dev/rmt/0m is the default tape device address. Use the relevant command on the OS being tested and note it in the Observed Result column.</p>	The tape is rewound.	Setup
H.1.3	<p>At the command prompt type</p> <pre>MakeInstall -t /dev/rmt/0mn -p . MIseg</pre> <p><b>Note:</b> 0 is the device address of a ‘no rewind’ tape device and may differ on your system.</p>	<p>Messages/information will appear in the Terminal window indicating the process steps being executed by MakeInstall. The following prompt appears:</p> <pre>Enter the size of the tape in MByte or type 'q' to quit.</pre>	Circle one: PASS / FAIL
H.1.4	<p>At the prompt type</p> <pre>80</pre>	<p>The following prompt appears:</p> <pre>Processing segment: /kpc/tk/MIseg Enter your name for the Tape Header:</pre>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.1.5	Press ENTER.	The following prompt appears: Enter a serial number for the Tape Header:	Circle one: PASS / FAIL
H.1.6	Press ENTER.	The following prompt appears: Enter any desired comment to put in the Tape Header (up to 255 characters) :	Circle one: PASS / FAIL
H.1.7	Press ENTER.	MakeInstall will continue and display the following information: A segment description table The number of segments to be written to output device (1) Space requirements for segment The following prompt appears: Insert tape #1 Press any key to continue.	Circle one: PASS / FAIL
H.1.8	Press ENTER.	The following message appears: DII Install tape completed	Circle one: PASS / FAIL
H.1.9	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.1.10	At the command prompt type <code>mt rewoffl</code> <b>NOTE:</b> This command is OS specific and assumes that <code>/dev/rmt/0m</code> is the default tape device address. Use the relevant command on the OS being tested and note it in the Observed Result column.	The tape is rewound and ejected.	Cleanup
<b>H.2</b>	<b>Verify the MakeInstall “-o” Option</b>		
H.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). Insert the tape in the tape drive.	The tape loads	Circle one: PASS / FAIL
H.2.2	At the command prompt type <code>MakeInstall -o tmp/MIseg -p . MIseg</code>	Messages/information will appear in the Terminal window indicating the process steps being executed by MakeInstall. The following prompt appears:  Processing segment: <code>/kpc/tk/MIseg</code> Enter your name for the Tape Header:	Circle one: PASS / FAIL
H.2.3	Press ENTER.	The following prompt appears: Enter a serial number for the Tape Header:	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.2.4	Press ENTER.	The following prompt appears:  Enter any desired comment to put in the Tape Header (up to 255 characters):	Circle one: PASS / FAIL
H.2.5	Press ENTER.	MakeInstall will continue and display the following information:  A segment description table  The number of segments to be written to output device (1)  Space requirements for segment  The command prompt returns.	Circle one: PASS / FAIL
H.2.6	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>H.3</b>	<b>Evaluate MakeInstall Segment Output</b>		
H.3.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  ls tmp	Listed is a tar file named MIseg.tar created by MakeInstall which contains the MakeInstall/segmented image of the MIseg segment.	Circle one: PASS / FAIL
H.3.2	At the command prompt type  tar tvf tmp/MIseg.tar	The Table of Contents information for MIseg.tar appears.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.3.3	At the command prompt type more MIdata/tvf_MIseg.orig	With the exception of the date and time, the contents of the control file tvf_MIseg.orig is identical to the Table of Contents listing given in the previous step.	Circle one: PASS / FAIL
<b>H.4</b>	<b>Verify the MakeInstall “-f” Option</b>		
H.4.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type MakeInstall -f -o tmp/MIseg -p . MIseg	Messages/information will appear in the terminal window indicating the process steps being executed by MakeInstall. The following prompt appears:  Processing segment: /kpc/tk/MIseg Enter your name for the Tape Header:	Circle one: PASS / FAIL
H.4.2	Press ENTER.	The following prompt appears:  Enter a serial number for the Tape Header:	Circle one: PASS / FAIL
H.4.3	Press ENTER.	The following prompt appears:  Enter any desired comment to put in the Tape Header (up to 255 characters):	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.4.4	Press ENTER.	<p>MakeInstall will continue and display the following information:</p> <p>A segment description table</p> <p>The number of segments to be written to output device (1)</p> <p>Space requirements for segment</p> <p>In addition, the following messages appear:</p> <pre>Writing DIIHeader -C [s] /tmp/xxxx.MkIns distrib ... Writing TOC ... Writing MIseg ... Writing [s] MIseg:SOFTWARE:1.2.3.4:ALL.tar ...</pre> <p>where xxxx is a temporary filename that may vary.</p> <p>The command prompt returns.</p>	Circle one: PASS / FAIL
H.4.5	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>H.5</b>	<b>Verify the MakeInstall “-s” Option</b>		
H.5.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>MakeInstall -o tmp/MIseg -p . -s MIseg MIseg2</pre>	<p>Messages/information will appear in the terminal window indicating the process steps being executed by MakeInstall. The following prompt appears:</p> <pre>Processing segment: /kpc/tk/MIseg Processing segment: /kpc/tk/MIseg2 Enter your name for the Tape Header:</pre>	Circle one: PASS / FAIL
H.5.2	Press ENTER.	<p>The following prompt appears:</p> <pre>Enter a serial number for the Tape Header:</pre>	Circle one: PASS / FAIL
H.5.3	Press ENTER.	<p>The following prompt appears:</p> <pre>Enter any desired comment to put in the Tape Header (up to 255 characters) :</pre>	Circle one: PASS / FAIL
H.5.4	Press ENTER.	<p>MakeInstall will continue and display the following information:</p> <p>A segment description table</p> <p>The number of segments to be written to output device (2)</p> <p>Space requirements for segment</p> <p>The command prompt returns.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.5.5	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>H.6</b>	<b>Verify the MakeInstall “-S” Option</b>		
H.6.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type MakeInstall -o tmp/MIseg -p . [s] -S MIdata/MIlist MIdata/MIlist2	Messages/information will appear in the terminal window indicating the process steps being executed by MakeInstall. The following prompt appears:  Processing segment: /kpc/tk/MIseg Processing segment: /kpc/tk/MIseg2 Enter your name for the Tape Header:	Circle one: PASS / FAIL
H.6.2	Press ENTER.	The following prompt appears:  Enter a serial number for the Tape Header:	Circle one: PASS / FAIL
H.6.3	Press ENTER.	The following prompt appears:  Enter any desired comment to put in the Tape Header (up to 255 characters):	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.6.4	Press ENTER.	MakeInstall will continue and display the following information:  A segment description table  The number of segments to be written to output device (2)  Space requirements for segment  The command prompt returns.	Circle one: PASS / FAIL
H.6.5	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>H.7</b>	<b>Verify the MakeInstall “-v” Option</b>		
H.7.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  MakeInstall -v -o tmp/MIseg -p . MIseg	Messages/information will appear in the terminal window indicating the process steps being executed by MakeInstall. The following message appears:  Processing segment: /kpc/tk/MIseg  Six verbose messages appear indicated by lines beginning with (V) -----.  The following prompt appears:  Enter your name for the Tape Header:	Circle one: PASS / FAIL
H.7.2	Press ENTER.	The following prompt appears:  Enter a serial number for the Tape Header:	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.7.3	Press ENTER.	The following prompt appears:  Enter any desired comment to put in the Tape Header (up to 255 characters) :	Circle one: PASS / FAIL
H.7.4	Press ENTER.	MakeInstall will continue and display the following information:  A segment description table  The number of segments to be written to output device (1)  Space requirements for segment  Six verbose messages appear indicated by lines beginning with (V) -----.  The command prompt returns.	Circle one: PASS / FAIL
H.7.5	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>H.8</b>	<b>Verify the MakeInstall “-x” Option</b>		
H.8.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  MakeInstall -x -p . MIseg	The following message appears:  Processing segment: /kpc/tk/MIseg  DII Install validation completed	Circle one: PASS / FAIL
H.8.2	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>H.9</b>	<b>Verify That the MakeInstall Tool Can Detect That VerifySeg Has Not Been Run On A Segment</b>		
H.9.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>mv MIseg/SegDescrip/Validated tmp</pre>	The command prompt returns.	Circle one: PASS / FAIL
H.9.2	<p>At the command prompt type</p> <pre>MakeInstall -o tmp/MIseg -p . MIseg</pre>	<p>The following message appears:</p> <pre>Processing segment: /kpc/tk/MIseg</pre> <p>In addition, the following fatal error appears:</p> <pre>Segment "MakeInstall Segment" in directory "/kpc/tk/MIseg" has been altered. Please run "VerifySeg" to validate the segment.</pre>	Circle one: PASS / FAIL
H.9.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	A number other than 0 is returned.	Circle one: PASS / FAIL
H.9.4	<p>At the command prompt type</p> <pre>mv tmp/Validated MIseg/SegDescrip</pre>	The command prompt returns.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>H.10</b>	<b>Verify the MakeInstall Segment Output Using the COEInstaller For Each Segment Type</b>		
H.10.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>MakeInstall -o tmp/all_types -p . [s] -S Mldata/all_types_list</pre>	<p>Messages/information will appear in the Terminal window indicating the process steps being executed by MakeInstall. Prompts appear requesting if the COE Component Parent segment is to be added to the segment installation list.</p> <p><b>NOTE:</b> If a warning appears indicating that the lib directory is non-standard for end-user, the test does not fail. You may safely ignore this warning.</p>	Circle one: PASS / FAIL
H.10.2	Type n for each of the 10 prompts requesting COE Component Parent.	<p>After all COE Component Parent prompts are dismissed, the following prompt appears:</p> <pre>Enter your name for the Tape Header:</pre>	Circle one: PASS / FAIL
H.10.3	Press ENTER.	<p>The following prompt appears:</p> <pre>Enter a serial number for the Tape Header:</pre>	Circle one: PASS / FAIL
H.10.4	Press ENTER.	<p>The following prompt appears:</p> <pre>Enter any desired comment to put in the Tape Header (up to 255 characters):</pre>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.10.5	Press ENTER.	MakeInstall will continue and display the following information: A segment description table The number of segments to be written to output device (10) Space requirements for segment Number of records processed (i.e. # records in # records out) The command prompt returns.	Circle one: PASS / FAIL
H.10.6	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>H.11</b>	<b>Verify That All Segment Types Placed On Disk Using MakeInstall Can Be Read and Processed By The COE Segment Installer</b>		
H.11.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). In the Installer window, click Select Source.	The Select Source window appears.	Setup
H.11.2	In the Device panel, click DISK.	The DISK option is selected and the Select File dialog box appears.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.11.3	In the Filter text box, select the text and replace it with: <code>/kpc/tk/tmp/*</code>	<code>/kpc/tk/tmp/*</code> appears in the Filter text box.	Setup
H.11.4	Click OK.	<code>all_types.tar</code> appears in the Filter text box.	Setup
H.11.5	In the Files panel, double-click on the following entry: <code>all_types.tar</code>	The Installer window returns.	Circle one: PASS / FAIL
H.11.6	Click Read Contents. <b>NOTE:</b> Resize the Installer window to view all segments.	The following segments appear in the Select Software To Install panel: Sample Aggregate Segment Sample Account Group Segment Sample COE Child Segment Sample COTS Segment Sample Data-Global Segment Sample Data-Local Segment Sample Data-Segment Segment Sample Software Segment SampleSW.P1	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.11.7	Select the following segments in the Select Software To Install panel: Sample Aggregate Segment Sample Account Group Segment Sample COE Child Segment Sample COTS Segment Sample Software Segment	All requested segments in the Select Software To Install panel are highlighted.	Circle one: PASS / FAIL
H.11.8	Click Install.	The following dialog boxes appear in sequence: Please wait...extracting the disk file with the selected segment: 'Sample Aggregate Segment' Please wait...extracting the disk file with the selected segment: 'Sample Aggregate Child Segment' PreInstall installation directory is /h/AcctGrps/SampleAcctGrp	Circle one: PASS / FAIL
H.11.9	Click OK.	The following dialog boxes appear in sequence: Please wait...extracting the disk file with the selected segment: 'Sample Account Group Segment' PostInstall installation directory is /h/AcctGrps/SampleAcctGrp	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.11.10	Click OK.	The following dialog box appears: PreInstall installation directory is /h/COE/Comp/SampleCOEChild	Circle one: PASS / FAIL
H.11.11	Click OK.	The following dialog boxes appear in sequence: Please wait...extracting the disk file with the selected segment: 'Sample COE Child Segment' PostInstall installation directory is /h/ COE/Comp/SampleCOEChild	Circle one: PASS / FAIL
H.11.12	Click OK.	The following dialog boxes appear in sequence: Please wait...extracting the disk file with the selected segment: 'Sample COTS Segment' PreInstall installation directory is /h/SampleSW	Circle one: PASS / FAIL
H.11.13	Click OK.	The following dialog boxes appear in sequence: Please wait...extracting the disk file with the selected segment: 'Sample Software Segment' PostInstall installation directory is /h/SampleSW	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.11.14	Click OK.	The following dialog box appears: Building Segment Lists The Installer window returns to the forefront.	Circle one: PASS / FAIL
H.11.15	When installation is complete, check both the Currently Installed Segments panel and the Select Software To Install panel. <b>NOTE:</b> Resize the Installer window to view all segments.	The following segments are listed in the Currently Installed Segments panel: Sample Aggregate Segment Sample Account Group Segment Sample COE Child Segment Sample COTS Segment Sample Software Segment An asterisk (*) appears next to the aforementioned segments in the Select Software To Install panel:	Circle one: PASS / FAIL
H.11.16	Select the following segments in the Select Software To Install panel: Sample Data-Global Segment Sample Data-Local Segment Sample Data-Segment Segment SampleSW.P1	All requested segments in the Select Software To Install panel are highlighted.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.11.17	Click Install.	<p>The following dialog boxes appear in sequence:</p> <p>Please wait...extracting the disk file with the selected segment: 'Sample Data-Global Segment'</p> <p>Please wait...extracting the disk file with the selected segment: 'Sample Data-Local Segment'</p> <p>Please wait...extracting the disk file with the selected segment: 'Sample Data-Segment Segment'</p> <p>Please wait...extracting the disk file with the selected segment: 'SampleSW.P1'</p> <p>Building segment lists...</p> <p>The Installer window returns to the forefront.</p>	Circle one: PASS / FAIL
H.11.18	<p>When installation is complete, check both the Currently Installed Segments panel and the Select Software To Install panel.</p> <p><b>NOTE:</b> Resize the Installer window to view all segments.</p>	<p>All sample segments are listed in the Currently Installed Segments panel.</p> <p>An asterisk (*) appears next to all sample segments in the Select Software To Install panel.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>H.12</b>	<b>Verify that All Segments Are Installed Onto the Hard Disk</b>		
H.12.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>In the Terminal window, at the command prompt type</p> <pre>ls /h</pre>	<p>The following directories are listed:</p> <pre>SampleAgg SampleAggChild SampleDataGlobal SampleDataLocal SampleDataSegment SampleSW</pre>	Circle one: PASS / FAIL
H.12.2	<p>At the command prompt type</p> <pre>ls /h/AcctGrps</pre>	The directory SampleAcctGrp is listed.	Circle one: PASS / FAIL
H.12.3	<p>At the command prompt type</p> <pre>ls /h/COE/Comp</pre>	The directory SampleCOEChild is listed.	Circle one: PASS / FAIL
H.12.4	<p>At the command prompt type</p> <pre>ls /h/COTS</pre>	The directory SampleCOTS is listed.	Circle one: PASS / FAIL
H.12.5	<p>At the command prompt type</p> <pre>ls /h/data/local</pre>	The directory SampleDataLocal is listed.	Circle one: PASS / FAIL
H.12.6	<p>At the command prompt type</p> <pre>ls /h/data/global</pre>	The directory SampleDataGlobal is listed.	Circle one: PASS / FAIL
H.12.7	<p>At the command prompt type</p> <pre>ls /h/SampleSW/data</pre>	The directory SampleDataSegment is listed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.12.8	At the command prompt type <code>ls /h/SampleSW/Patches</code>	The directory P1 is listed.	Circle one: PASS / FAIL
<b>H.13</b>	<b>Verify that All Segment Types Placed On Disk Using MakeInstall and Installed Onto The Hard Disk Can Be Removed by the COE Segment Installer</b>		
H.13.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  In the Installer window, select the SampleSW.P1 segment in the Currently Installed Segments panel.	The SampleSW.P1 segment in the Currently Installed Segments panel is highlighted.	Circle one: PASS / FAIL
H.13.2	Click Deinstall Software.	The following dialog box appears:  Do you really want to remove the segments?  SampleSW.P1	Circle one: PASS / FAIL
H.13.3	Click Yes.	The following dialog box appears:  Segment deinstallation in progress...  The Installer window returns to the forefront.	Circle one: PASS / FAIL
H.13.4	When removal is complete, check both the Currently Installed Segments panel and the Select Software To Install panel.  <b>NOTE:</b> Resize the Installer window to view all segments.	The SampleSW.P1 segment is no longer listed in the Currently Installed Segments panel.  An asterisk (*) no longer appears next to the SampleSW.P1 segment in the Select Software To Install panel.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.13.5	<p>In the Currently Installed Segments panel, select the following segments:</p> <p>Sample Aggregate Segment</p> <p>Sample Account Group Segment</p> <p>Sample COE Child Segment</p> <p>Sample COTS Segment</p> <p>Sample Data-Global Segment</p> <p>Sample Data-Local Segment</p> <p>Sample Data-Segment Segment</p> <p>Sample Software Segment</p>	<p>All requested segments in the Currently Installed Segments panel are highlighted.</p>	<p>Circle one: PASS / FAIL</p>
H.13.6	<p>Click Deinstall Software.</p>	<p>The following dialog box appears:</p> <p>Do you really want to remove the segments?</p> <p>Sample Data-Segment Segment</p> <p>Sample Data-Local Segment</p> <p>Sample Data-Global Segment</p> <p>Sample Software Segment</p> <p>Sample Aggregate Segment</p> <p>Sample COE Child Segment</p> <p>Sample COTS Segment</p> <p>Sample Account Group Segment</p>	<p>Circle one: PASS / FAIL</p>

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.13.7	Click Yes.	The following dialog boxes appear in sequence: Segment deinstallation in progress... Building segment lists... DEINSTALL installation directory is /h/SampleSW	Circle one: PASS / FAIL
H.13.8	Click OK.	The following dialog box appears: DEINSTALL installation directory is /h/COE/Comp/SampleCOEChild	Circle one: PASS / FAIL
H.13.9	Click OK.	The following dialog box appears: DEINSTALL installation directory is /h/AcctGrps/SampleAcctGrp	Circle one: PASS / FAIL
H.13.10	Click OK.	The following dialog box appears: Building segment lists... The Installer window returns to the forefront.	Circle one: PASS / FAIL
H.13.11	When removal is complete, check both the Currently Installed Segments panel and the Select Software To Install panel. <b>NOTE:</b> Resize the Installer window to view all segments.	No sample segments are listed in the Currently Installed Segments panel. No asterisk (*) appears next to any segments in the Select Software To Install panel.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I</b>	4.9 Verify Functionality and Options Of CanInstall		
<b>I.1</b>	<b>Verify the CanInstall -p Option</b>		
I.1.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>In the Terminal window, at the command prompt type</p> <pre>CanInstall -p . segx</pre>	<p>The following message is displayed:</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.1.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.2</b>	<b>Verify CanInstall Uses /h If No Path Is Specified</b>		
I.2.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>cp -pr segx /h</pre>	The segx directory is copied to /h and system will return a command prompt.	Setup
I.2.2	<p>At the command prompt type</p> <pre>CanInstall segx</pre>	<p>The following message is displayed:</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.2.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
I.2.4	<p>At the command prompt type</p> <pre>rm -rf /h/segx</pre>	The segx directory is removed from /h and system will return a command prompt.	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.3</b>	<b>Verify CanInstall With Invalid Parameters</b>		
I.3.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type CanInstall	The tool's help text will display and system will return a command prompt.	Circle one: PASS / FAIL
I.3.2	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL
I.3.3	At the command prompt type CanInstall Tester	The following error message is displayed: Directory Not Found: /Tester...Exiting	Circle one: PASS / FAIL
I.3.4	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL
<b>I.4</b>	<b>Verify CanInstall Returns An Error If Validated File Is Missing</b>		
I.4.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type mv segx/SegDescrip/Validated tmp	The command prompt returns.	Setup
I.4.2	At the command prompt type CanInstall -p . segx	The following error message is displayed: Could Not Validate "/kpc/tk/segx" Re-Run "VerifySeg"...Exiting	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.4.3	At the command prompt type <code>echo \$status</code>	A number other than 0 is returned.	Circle one: PASS / FAIL
I.4.4	At the command prompt type <code>mv tmp/Validated segx/SegDescrip</code>	The command prompt returns.	Cleanup
<b>I.5</b>	<b>Verify CanInstall Will Process Conflicts Descriptor</b>		
I.5.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpcp). At the command prompt type <code>CanInstall -p . conflicts</code>	The following message appears: The segment can be successfully installed without error!	Circle one: PASS / FAIL
I.5.2	At the command prompt type <code>echo \$status</code>	0 is returned.	Circle one: PASS / FAIL
I.5.3	In the Installer window, click Select Source.	The Select Source window appears.	Setup
I.5.4	In the Device panel, click DISK.	The Select File dialog box appears.	Setup
I.5.5	In the Filter text box, select the text and replace it with: <code>/kpc/si/* [r]</code>	<code>/kpc/si/*</code> appears in the Filter text box.	Setup
I.5.6	In the Files panel, double-click on the following entry: <code>segx.tar</code>	The Installer window returns.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.5.7	Click Read Contents.	The following segment appears in the Select Software To Install panel: Test Segment segx	Circle one: PASS / FAIL
I.5.8	Select the following segment: Test Segment segx	Test Segment segx is highlighted.	Circle one: PASS / FAIL
I.5.9	Click Install.	The following dialog box appears: Please wait...extracting the disk file with the selected segment: 'Test Segment segx'	Circle one: PASS / FAIL
I.5.10	When installation is complete, check both the Currently Installed Segments panel and the Select Software To Install panel.	Test Segment segx is listed in the Currently Installed Segments panel: An asterisk (*) appears next to Test Segment segx in the Select Software To Install panel.	Circle one: PASS / FAIL
I.5.11	In the Terminal window, at the command prompt type CanInstall -p . conflicts	The following error message appears: A conflicting segment of /kpc/tk/conflicts was found on disk!	Circle one: PASS / FAIL
I.5.12	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.6</b>	<b>Verify CanInstall Will Process Requires Descriptor</b>		
I.6.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>In the Installer window, click Select Source.</p>	The Select Source window appears.	Setup
I.6.2	In the Device panel, click DISK.	The Select File dialog box appears.	Setup
I.6.3	<p>If the following does not appear in the Filter text box, select the text and replace it with:</p> <p>/kpc/si/* [r]</p>	/kpc/si/* appears in the Filter text box.	Setup
I.6.4	<p>In the Files panel, double-click on the following entry:</p> <p>req_segy.tar</p>	The Installer window returns.	Circle one: PASS / FAIL
I.6.5	Click Read Contents.	<p>The following segments appear in the Select Software To Install panel:</p> <p>Test Segment segy</p> <p>Requires Test Segment</p>	Circle one: PASS / FAIL
I.6.6	<p>Select the following segment:</p> <p>Test Segment segy</p>	Test Segment segy is highlighted.	Circle one: PASS / FAIL
I.6.7	Click Install.	<p>The following dialog box appears:</p> <p>Please wait...extracting the disk file with the selected segment: 'Test Segment segy'</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.6.8	When installation is complete, check both the Currently Installed Segments panel and the Select Software To Install panel.	Test Segment segy is listed in the Currently Installed Segments panel: An asterisk (*) appears next to Test Segment segy in the Select Software To Install panel:	Circle one: PASS / FAIL
I.6.9	At the command prompt type CanInstall -p . requires	The following error message appears: The segment can be successfully installed without error!	Circle one: PASS / FAIL
I.6.10	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
I.6.11	In the Installer window, select the Test Segment segx and Test Segment segy segments in the Currently Installed Segments panel.	The Test Segment segx and Test Segment segy segments in the Currently Installed Segments panel are highlighted.	Circle one: PASS / FAIL
I.6.12	Click Deinstall Software.	The following dialog box appears: Do you really want to remove the segments? Test Segment segx Test Segment segy	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.6.13	Click Yes.	The following dialog box appears: Segment deinstallation in progress... The Installer window returns to the forefront.	Circle one: PASS / FAIL
I.6.14	When removal is complete, check both the Currently Installed Segments panel and the Select Software To Install panel.	The Test Segment segx and Test Segment segy segments are no longer listed in the Currently Installed Segments panel. An asterisk (*) no longer appears next to the Test Segment segx and Test Segment segy segments in the Select Software To Install panel.	Circle one: PASS / FAIL
I.6.15	In the Terminal window, at the command prompt type CanInstall -p . requires	The following warning message appears: [Requires] A Segment directory 'h/segx' is not found for segment 'Test Segment segx' The following error message appears: ALL required segments for /kpc/tk/requires weren't found on disk!	Circle one: PASS / FAIL
I.6.16	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.7</b>	<b>Verify the CanInstall -v Option</b>		
I.7.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -v -p . segx</pre>	<p>Many verbose (V) messages will appear followed by the following message:</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.7.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.8</b>	<b>Verify the CanInstall -w Option</b>		
I.8.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . segx_w</pre>	<p>The following warning message appears:</p> <pre>[Conflicts] Segment Home directory (/h) specified is not COE compliant. Conflict Segment path was not found. This is suspicious and may indicate an error.</pre> <p>The segment can be successfully installed without error!</p>	Circle one: PASS / FAIL
I.8.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
I.8.3	<p>At the command prompt type</p> <pre>CanInstall -w -p . segx_w</pre>	<p>The following message appears:</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.8.4	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.9</b>	<b>Verify CanInstall Will Process \$CPU Keyword</b>		
I.9.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . badcpu</pre>	<p>The following error messages appear:</p> <pre>COEProcessHardware: Incompatible CPU</pre> <p>Incompatible hardware type for segment located at /kpc/tk/badcpu</p>	Circle one: PASS / FAIL
I.9.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	A number other than 0 is returned.	Circle one: PASS / FAIL
<b>I.10</b>	<b>Run Tool With Sample Software Segment</b>		
I.10.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleSW</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.10.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.11</b>	<b>Install Sample Software Segment So That Data and Patch Software Will Pass CanInstall</b>		
I.11.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>In the Installer window, click Select Source.</p>	The Select Source window appears.	Setup
I.11.2	In the Device panel, click DISK.	The Select File dialog box appears.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.11.3	If the following does not appear in the Filter text box, select the text and replace it with: <code>/kpc/si/* [r]</code>	<code>/kpc/si/*</code> appears in the Filter text box.	Setup
I.11.4	In the Files panel, double-click on the following entry: <code>all_types.tar</code>	The Installer window returns.	Setup
I.11.5	Click Read Contents.	Sample Software segments appear in the Select Software To Install panel.	Setup
I.11.6	Select the following segment: Sample Software Segment	Sample Software Segment is highlighted.	Setup
I.11.7	Click Install.	The following dialog box appears: PreInstall installation directory is <code>/h/SampleSW</code>	Setup
I.11.8	Click OK.	The following dialog boxes appear in sequence: Please wait...Extracting the disk file with the selected segment: 'Sample Software Segment' PostInstall installation directory is <code>/h/SampleSW</code>	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.11.9	Click OK.	The Installer window returns.  Sample Software Segment is listed in the Currently Installed Segments panel.  An asterisk (*) appears next to Sample Software Segment in the Select Software To Install panel.	Setup
<b>I.12</b>	<b>Run Tool With Sample Account Group Segment</b>		
I.12.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  CanInstall -p . SampleAcctGrp	The following message is displayed.  The segment can be successfully installed without error!	Circle one: PASS / FAIL
I.12.2	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL
<b>I.13</b>	<b>Run Tool With Sample Aggregate Segment</b>		
I.13.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type  CanInstall -p . SampleAgg	The following message is displayed.  The segment can be successfully installed without error!	Circle one: PASS / FAIL
I.13.2	At the command prompt type  echo \$status	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.14</b>	<b>Run Tool With Sample Aggregate Child Segment</b>		
I.14.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleAggChild</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.14.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.15</b>	<b>Run Tool With Sample COE Child Segment</b>		
I.15.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleCOEChild</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.15.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.16</b>	<b>Run Tool With Sample COTS Segment</b>		
I.16.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleCOTS</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.16.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.17</b>	<b>Run Tool With Sample Data Global Segment</b>		
I.17.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleDataGlobal</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.17.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.18</b>	<b>Run Tool With Sample Data Local Segment</b>		
I.18.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleDataLocal</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.18.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
<b>I.19</b>	<b>Run Tool With Sample Data Segment</b>		
I.19.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleDataSegment</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.19.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>I.20</b>	<b>Run Tool With Sample Software Patch Segment</b>		
I.20.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>CanInstall -p . SampleSW.P1</pre>	<p>The following message is displayed.</p> <pre>The segment can be successfully installed without error!</pre>	Circle one: PASS / FAIL
I.20.2	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
I.20.3	In the Installer window, select Sample Software Segment in the Currently Installed Segments panel.	Sample Software Segment is highlighted.	Cleanup
I.20.4	Click Deinstall Software.	<p>The following dialog box appears:</p> <p>Do you really want to remove the segments?</p> <p>Sample Software Segment</p>	Cleanup
I.20.5	Click Yes.	<p>The following dialog boxes appear in sequence:</p> <pre>Segment deinstallation in progress...</pre> <pre>Building segment lists...</pre> <pre>DEINSTALL installation directory is /h/SampleSW</pre>	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.20.6	Click OK.	The following dialog box appears: Building segment lists... The Installer window returns to the forefront.	Cleanup
<b>J</b>	4.10 Verify Functionality and Options Of TestInstall and TestRemove		
<b>J.1</b>	<b>Verify the TestInstall and TestRemove -p Option</b>		
J.1.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type <code>TestInstall -p . segx</code>	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n):	Circle one: PASS / FAIL
J.1.2	At the command prompt type <code>y</code>	Processing messages appear followed by the following message:  Successful Installation of segx	Circle one: PASS / FAIL
J.1.3	At the command prompt type <code>echo \$status</code>	0 is returned.	Circle one: PASS / FAIL
J.1.4	At the command prompt type <code>ls -l segx/SegDescrip</code>	Verify that <code>Installed</code> is one of the files listed.	Circle one: PASS / FAIL
J.1.5	At the command prompt type <code>ls -l /h</code>	Verify that the following softlink is listed: <code>segx -&gt; /kpc/tk/segx</code>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.1.6	At the command prompt type TestRemove -p . segx	A warning message appears followed by the following message:  Do you want to continue with TestRemove? (y/n) :	Circle one: PASS / FAIL
J.1.7	At the command prompt type y	Processing messages appear followed by the following message:  Successful Removal of Segment segx.	Circle one: PASS / FAIL
J.1.8	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.1.9	At the command prompt type ls -l segx/SegDescrip	Verify that Installed is not listed.	Circle one: PASS / FAIL
J.1.10	At the command prompt type ls -l /h	Verify that segx is not listed.	Circle one: PASS / FAIL
<b>J.2</b>	<b>Verify TestInstall and TestRemove Uses /h If No Path Is Specified</b>		
J.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type cp -pr segx /h	The segx directory is copied to /h and system will return a command prompt.	Setup
J.2.2	At the command prompt type TestInstall segx	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.2.3	At the command prompt type y	Processing messages appear followed by the following message: Successful Installation of segx	Circle one: PASS / FAIL
J.2.4	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.2.5	At the command prompt type ls -l /h/segx/SegDescrip	Verify that Installed is one of the files listed.	Circle one: PASS / FAIL
J.2.6	At the command prompt type TestRemove segx	A warning message appears followed by the following message: Do you want to continue with TestRemove? (y/n):	Circle one: PASS / FAIL
J.2.7	At the command prompt type y	Processing messages appear followed by the following message: Successful Removal of Segment segx.	Circle one: PASS / FAIL
J.2.8	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.2.9	At the command prompt type ls -l /h/segx/SegDescrip	Verify that Installed is not listed.	Circle one: PASS / FAIL
J.2.10	At the command prompt type rm -rf /h/segx	The segx directory is removed from /h and system will return a command prompt	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>J.3</b>	<b>Verify TestInstall and TestRemove -C Option</b>		
J.3.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>TestInstall -p TIRdata -C cmd.file</pre>	<p>A warning message appears followed by the following message:</p> <pre>Do you want to continue with TestInstall? (y/n) :</pre>	Circle one: PASS / FAIL
J.3.2	<p>At the command prompt type</p> <pre>y</pre>	<p>Many verbose messages (V) and descriptor name and content messages (O) appear followed by the following message:</p> <pre>Successful Installation of segx</pre>	Circle one: PASS / FAIL
J.3.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
J.3.4	<p>At the command prompt type</p> <pre>ls -l /h</pre>	<p>Verify that the following softlink is listed:</p> <pre>segx -&gt; /kpc/tk/segx</pre>	Circle one: PASS / FAIL
J.3.5	<p>At the command prompt type</p> <pre>TestRemove -p TIRdata -C cmd.file</pre>	<p>Several descriptor name messages (O) appear followed by the following message:</p> <pre>Successful Removal of Segment segx.</pre>	Circle one: PASS / FAIL
J.3.6	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
J.3.7	<p>At the command prompt type</p> <pre>ls -l /h</pre>	Verify that <code>segx</code> is not listed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>J.4</b>	<b>Verify TestInstall and TestRemove -e Option</b>		
J.4.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>TestInstall -e -p . segx</pre>	<p>A warning message appears followed by the following message:</p> <pre>Do you want to continue with TestInstall? (y/n) :</pre>	Circle one: PASS / FAIL
J.4.2	<p>At the command prompt type</p> <pre>y</pre>	<p>Many descriptor name and content messages (O) appear followed by the following message:</p> <pre>Successful Installation of segx</pre>	Circle one: PASS / FAIL
J.4.3	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL
J.4.4	<p>At the command prompt type</p> <pre>ls -l /h</pre>	<p>Verify that the following softlink is listed:</p> <pre>segx -&gt; /kpc/tk/segx</pre>	Circle one: PASS / FAIL
J.4.5	<p>At the command prompt type</p> <pre>TestRemove -e -p . segx</pre>	<p>A warning message appears followed by the following message:</p> <pre>Do you want to continue with TestRemove? (y/n) :</pre>	Circle one: PASS / FAIL
J.4.6	<p>At the command prompt type</p> <pre>y</pre>	<p>Several descriptor name messages (O) appear followed by the following message:</p> <pre>Successful Removal of Segment segx.</pre>	Circle one: PASS / FAIL
J.4.7	<p>At the command prompt type</p> <pre>echo \$status</pre>	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.4.8	At the command prompt type <code>ls -l /h</code>	Verify that <code>segx</code> is not listed.	Circle one: PASS / FAIL
<b>J.5</b>	<b>Verify TestInstall and TestRemove -f Option</b>		
J.5.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type <code>TestInstall -f -p . segx</code>	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL
J.5.2	At the command prompt type <code>y</code>	Many descriptor name messages (O) appear followed by the following message:  Successful Installation of <code>segx</code>	Circle one: PASS / FAIL
J.5.3	At the command prompt type <code>echo \$status</code>	0 is returned.	Circle one: PASS / FAIL
J.5.4	At the command prompt type <code>ls -l /h</code>	Verify that the following softlink is listed:  <code>segx -&gt; /kpc/tk/segx</code>	Circle one: PASS / FAIL
J.5.5	At the command prompt type <code>TestRemove -f -p . segx</code>	A warning message appears followed by the following message:  Do you want to continue with TestRemove? (y/n) :	Circle one: PASS / FAIL
J.5.6	At the command prompt type <code>y</code>	Several descriptor name messages (O) appear followed by the following message:  Successful Removal of Segment <code>segx</code> .	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.5.7	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.5.8	At the command prompt type ls -l /h	Verify that segx is not listed.	Circle one: PASS / FAIL
<b>J.6</b>	<b>Verify TestInstall and TestRemove Will Process the Community Descriptor</b>		
J.6.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type cp -p TIRin-com/* TIRout-com.new	The command prompt returns.	Setup
J.6.2	At the command prompt type TestInstall -p . community	A warning message appears followed by the following message: Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL
J.6.3	At the command prompt type y	Processing messages appear followed by the following message: Successful Installation of community	Circle one: PASS / FAIL
J.6.4	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.6.5	At the command prompt type TestRemove -p . community	A warning message appears followed by the following message: Do you want to continue with TestRemove? (y/n) :	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.6.6	At the command prompt type y	Processing messages appear followed by the following message:  Successful Removal of Segment community.	Circle one: PASS / FAIL
J.6.7	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.6.8	At the command prompt type diff TIRout-com.new TIRout-com.orig	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL
<b>J.7</b>	<b>Verify TestInstall Will Process Conflicts Descriptor</b>		
J.7.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type TestInstall -p . conflicts	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n):	Circle one: PASS / FAIL
J.7.2	At the command prompt type y	Processing messages appear followed by the following message:  Successful Installation of conflicts	Circle one: PASS / FAIL
J.7.3	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.7.4	At the command prompt type TestRemove -p . conflicts	A warning message appears followed by the following message:  Do you want to continue with TestRemove? (y/n):	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.7.5	At the command prompt type y	Processing messages appear followed by the following message:  Successful Removal of Segment conflicts.	Circle one: PASS / FAIL
J.7.6	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.7.7	At the command prompt type TestInstall -p . segx	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL
J.7.8	At the command prompt type y	Processing messages appear followed by the following message:  Successful Installation of segx	Circle one: PASS / FAIL
J.7.9	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.7.10	At the command prompt type TestInstall -p . conflicts	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.7.11	At the command prompt type y	Processing messages appear followed by the following error message:  [Conflicts] Segment Home directory (/h/segx) specified was not found. Conflict Segment path was found in another location (/kpc/tk/segx). This is suspicious and may indicate an error.  Can't install segment conflicts  Installation was not completed for conflicts	Circle one: PASS / FAIL
J.7.12	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL
<b>J.8</b>	<b>Verify TestInstall Will Process Requires Descriptor</b>		
J.8.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  At the command prompt type TestInstall -p . segy	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n):	Circle one: PASS / FAIL
J.8.2	At the command prompt type y	Processing messages appear followed by the following message:  Successful Installation of segy	Circle one: PASS / FAIL
J.8.3	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.8.4	At the command prompt type TestInstall -p . requires	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL
J.8.5	At the command prompt type y	Processing messages appear followed by the following message:  Successful Installation of requires	Circle one: PASS / FAIL
J.8.6	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.8.7	At the command prompt type TestRemove -p . segx segy	A warning message appears followed by the following message:  Do you want to continue with TestRemove? (y/n) :	Circle one: PASS / FAIL
J.8.8	At the command prompt type y	Processing messages appear including the following messages:  Successful Removal of Segment segy.  Successful Removal of Segment segx.	Circle one: PASS / FAIL
J.8.9	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.8.10	At the command prompt type TestInstall -p . requires	A warning message appears followed by the following message:  Do you want to continue with TestInstall? (y/n) :	Circle one: PASS / FAIL
J.8.11	At the command prompt type y	Processing messages appear followed by the following warning and error messages:  (W) -----   [Requires] A Segment directory '/h/segx' is not found for segment 'Test Segment segx'  (E) -----   All required segments for /kpc/tk/requires weren't found on disk!  Can't install segment requires Installation was not completed for requires	Circle one: PASS / FAIL
J.8.12	At the command prompt type echo \$status	A number other than 0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>J.9</b>	<b>Install All Segments At Once</b>		
J.9.1	<p><b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).</p> <p>At the command prompt type</p> <pre>TestInstall -p TIRdata -C cmd.all_types</pre>	<p>A warning message appears followed by the following message:</p> <pre>Do you want to continue with TestInstall? (y/n) :</pre>	Circle one: PASS / FAIL
J.9.2	<p>At the command prompt type</p> <pre>y</pre>	<p>Processing messages appear followed by the following message:</p> <pre>Do you want to run PreInstall for Segment SampleAcctGrp ? (y/n)</pre>	Circle one: PASS / FAIL
J.9.3	<p>At the command prompt type</p> <pre>y</pre>	<p>An dINFORMATION MESSAGE box appears with the text:</p> <pre>Preinstall installation directory is /h/SampleAcctGrp</pre>	Circle one: PASS / FAIL
J.9.4	<p>Click OK.</p>	<p>Processing messages appear followed by the following message:</p> <pre>Do you want to run PostInstall for Segment SampleAcctGrp ? (y/n)</pre>	Circle one: PASS / FAIL
J.9.5	<p>At the command prompt type</p> <pre>y</pre>	<p>A dialog box appears with the text:</p> <pre>Postinstall installation directory is /kpc/tk/SampleAcctGrp</pre>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.6	Click OK.	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleAgg ? (y/n)	Circle one: PASS / FAIL
J.9.7	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleAggChild ? (y/n)	Circle one: PASS / FAIL
J.9.8	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PreInstall for Segment SampleCOEChild ? (y/n)	Circle one: PASS / FAIL
J.9.9	At the command prompt type y	An INFORMATIONAL MESSAGE box appears with the text:  Preinstall installation directory is /h/SampleCOEChild	Circle one: PASS / FAIL
J.9.10	Click OK.	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleCOEChild ? (y/n)	Circle one: PASS / FAIL
J.9.11	At the command prompt type y	An INFORMATIONAL MESSAGE box appears with the text:  Postinstall installation directory is /kpc/tk/SampleCOEChild	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.12	Click OK.	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleCOTS ? (y/n)	Circle one: PASS / FAIL
J.9.13	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PreInstall for Segment SampleSW ? (y/n)	Circle one: PASS / FAIL
J.9.14	At the command prompt type y	An INFORMATIONAL MESSAGE box appears with the text:  Preinstall installation directory is /h/SampleSW	Circle one: PASS / FAIL
J.9.15	Click OK.	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleSW ? (y/n)	Circle one: PASS / FAIL
J.9.16	At the command prompt type y	An INFORMATIONAL MESSAGE box appears with the text:  Postinstall installation directory is /kpc/tk/SampleSW	Circle one: PASS / FAIL
J.9.17	Click OK.	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleDataGlobal ? (y/n)	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.18	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleDataLocal ? (y/n)	Circle one: PASS / FAIL
J.9.19	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleDataSegment ? (y/n)	Circle one: PASS / FAIL
J.9.20	At the command prompt type y	Processing messages appear followed by the following message:  Do you want to run PostInstall for Segment SampleSW.P1 ? (y/n)	Circle one: PASS / FAIL
J.9.21	At the command prompt type y	The following message appears:  Successful Installation of SampleSW.P1	Circle one: PASS / FAIL
J.9.22	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.23	At the command prompt type <code>ls -l /h</code>	Verify that the following softlinks are listed: SampleAgg -> /kpc/tk/SampleAgg SampleAggChild -> /kpc/tk/SampleAggChild SampleDataGlobal -> /kpc/tk/SampleDataGlobal SampleDataLocal -> /kpc/tk/SampleDataLocal SampleDataSegment -> /kpc/tk/SampleDataSegment SampleSW -> /kpc/tk/SampleSW	Circle one: PASS / FAIL
J.9.24	At the command prompt type <code>ls -l /h/AcctGrps</code>	Verify that the following softlink is listed: SampleAcctGrp -> /kpc/tk/SampleAcctGrp	Circle one: PASS / FAIL
J.9.25	At the command prompt type <code>ls -l /h/COE/Comp</code>	Verify that the following softlink is listed: SampleCOEChild -> /kpc/tk/SampleCOEChild	Circle one: PASS / FAIL
J.9.26	At the command prompt type <code>ls -l /h/COTS</code>	Verify that the following softlink is listed: SampleCOTS -> /kpc/tk/SampleCOTS	Circle one: PASS / FAIL
J.9.27	At the command prompt type <code>ls -l /h/data/local</code>	The directory SampleDataLocal is listed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.28	At the command prompt type <code>ls -l /h/data/global</code>	The directory <code>SampleDataGlobal</code> is listed.	Circle one: PASS / FAIL
J.9.29	At the command prompt type <code>ls -l /h/SampleSW/data</code>	The directory <code>SampleDataSegment</code> is listed.	Circle one: PASS / FAIL
J.9.30	At the command prompt type <code>ls -l /h/SampleSW/Patches</code>	Verify that the following softlink is listed: <code>P1-&gt; /kpc/tk/SampleSW.P1</code>	Circle one: PASS / FAIL
J.9.31	At the command prompt type <code>TestRemove -p TIRdata -C cmd.all_types</code>	A warning message appears followed by the following message:  Do you want to continue with TestRemove? (y/n):	Circle one: PASS / FAIL
J.9.32	At the command prompt type <code>y</code>	An INFORMATIONAL MESSAGE box appears with the text:  <code>DEINSTALL installation directory is /kpc/tk/SampleSW</code>	Circle one: PASS / FAIL
J.9.33	Click OK.	An INFORMATIONAL MESSAGE box appears with the text:  <code>DEINSTALL installation directory is /kpc/tk/SampleCOEChild</code>	Circle one: PASS / FAIL
J.9.34	Click OK.	An INFORMATIONAL MESSAGE box appears with the text:  <code>DEINSTALL installation directory is /kpc/tk/SampleAcctGrp</code>	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.35	Click OK.	Processing messages appear followed by the following message:  Successful Removal of Segment SampleAcctGrp.	Circle one: PASS / FAIL
J.9.36	At the command prompt type echo \$status	0 is returned.	Circle one: PASS / FAIL
J.9.37	At the command prompt type ls /h	Verify that the following are not listed:  SampleAgg SampleDataGlobal SampleDataLocal SampleDataSegment SampleSW	Circle one: PASS / FAIL
J.9.38	At the command prompt type ls /h/AcctGrps	Verify that the following is not listed: SampleAcctGrp	Circle one: PASS / FAIL
J.9.39	At the command prompt type ls /h/COE/Comp	Verify that the following is not listed: SampleCOEChild	Circle one: PASS / FAIL
J.9.40	At the command prompt type ls /h/COTS	Verify that the following is not listed: SampleCOTS -> /kpc/tk/SampleCOTS	Circle one: PASS / FAIL
J.9.41	At the command prompt type ls /h/data/local/SampleDataLocal	Verify that no files are listed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.9.42	At the command prompt type <code>ls -l /h/data/global</code>	Verify that the following is not listed: SampleDataGlobal	Circle one: PASS / FAIL
J.9.43	At the command prompt type <code>rm -r SampleDataGlobal</code>	The command prompt returns.	Cleanup
J.9.44	At the command prompt type <code>cp -pr /h/KPC/data/tk/SampleDataGlobal [s] SampleDataGlobal</code>	The command prompt returns.	Cleanup
<b>K</b>	<b>4.11 Public API Test</b>		
<b>K.1</b>	<b>Execute the API Test Script</b>		
K.1.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp). At the command prompt type <code>cd /kpc/api</code>	The command prompt returns.	Setup
K.1.2	At the command prompt type <code>./api_script &gt; api_script_out.new</code>	The command prompt returns.	Setup
K.1.3	At the command prompt type <code>diff api_script_out.new api_script_out.orig</code>	The command prompt returns with no differences displayed.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>L</b>	<b>4.12 Remove The Toolkit and Test Data Segments</b>		
<b>L.1</b>	<b>Deinstall the Toolkit Segment</b>		
L.1.1	In the Currently Installed Segments field of the Installer window, select DII COE Developer's Toolkit.	DII COE Developer's Toolkit is highlighted.	Circle one: PASS / FAIL
L.1.2	Click Deinstall Software.	A RESPONSE TO THE QUESTION dialog box asks: Do you really want to remove the segments?  DII COE Developer's Toolkit	Cleanup
L.1.3	Click Yes.	The segment deinstalls and is not listed under Currently Installed Segments.	Circle one: PASS / FAIL
<b>L.2</b>	<b>Deinstall the Test Data Segment</b>		
L.2.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  Select Applications > Application Manager > DII_APPS.	The Application Manager window appears.	Cleanup
L.2.2	Double-click Segment Installer in the Application Manager - SysAdm window.	The Installer window appears.	Cleanup
L.2.3	In the Currently Installed Segments list, select KPC Test Data for 4200P6.	KPC Test Data for 4200P6 is highlighted	Cleanup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
L.2.4	Click Deinstall Software.	A RESPOND TO THE QUESTION dialog box asks:  Do you really want to remove the segments?  KPC Test Data for 4200P6	Cleanup
L.2.5	Click Yes.	KPC Test Data for 4200P6 deinstalls correctly and is no longer preceded by an * in the Select Software To Install field. KPC Test Data for 4200P4 no longer appears in the Currently Installed Segments field.	Cleanup
L.2.6	Click Exit.	The Installer window disappears.	Cleanup
<b>Z</b>	<b>4.13 Logout</b>		
<b>Z.1</b>	<b>Log out of the Candidate Platform</b>		
Z.1.1	<b>NOTE:</b> Perform the following steps on the Candidate Platform (kpccp).  Click Exit from CDE.	The Logout Confirmation window appears.	Shutdown
Z.1.2	Click OK.	The system exits and the DII COE LOGIN screen appears.	Shutdown

***End of Test Validation Procedure***