

The Open Group
COE Platform Certification Program
Template Setup Procedures for a
COE Validation Cell

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

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Table of Contents

1. Overview	2
1.1 Introduction	2
1.2 Validation Procedure Templates	2
1.3 How to execute these Validation Procedures	3
2. Change History of this document	3
3. Overview of Validation Cell Configuration	4
3.1 Validation Cell Configuration	4
4. Validation Host Setup	5
4.1 Installation of the Operating System	6
4.2 Disk Configuration/Partitioning	7
4.3 Installation of the COE Kernel	7
4.4 Installation of the KPC Test Data for 4200P6	8
4.5 DNS Server Configuration	9
4.6 Installation of PERL	10
4.7 Installation of Netscape Communicator	10
4.8 Installation of Web Server	10
4.9 Backup the Validation Host	10
4.10 Restore the Validation Host	10
5. Candidate Platform Setup	11
5.1 Installation of the Operating System	12
5.2 Disk Configuration/Partitioning	13
5.3 Installation of the COE Kernel	13
5.4 DNS Client Configuration	14
5.5 Installation of PERL	14
5.6 Installation of Netscape Communicator	14
5.7 Backup the Candidate Platform	14
5.8 Restore the Candidate Platform	14
5.9 Attach Default Local Printer	15
A. Validation Host Initial Validation Procedure	16
B. Candidate Platform Initial Validation Procedure	25

1. Overview

1.1 Introduction

This document describes a set of procedures that outlines how a COE *Validation Cell* is to be set up to execute the test procedures used in the certification of COE products to The Open Brand COE Platform Product Standard¹. It also provides two templates contained within this document that serve as a framework enabling the vendor to articulate the vendor specific Validation Cell configuration as well as how the vendor conducted the test campaign. These two templates are to be completed and submitted as part of the certification submission.

This document is intended for vendor/suppliers who intend to submit a product for certification. These procedures, along with the components referenced in the program's policy and in conjunction with the appropriate certification agreement and the trademark license agreement, constitute the requirements and obligations for achieving certification. Buyers intending to procure certified products may also find this document useful for understanding what is required for setting up a Validation Cell for certification and an overview of how a test campaign is conducted.

The Open Group's COE Platform certification program is a voluntary program, open to any product meeting the conformance requirements.

1.2 Validation Procedure Templates

Each of the two template validation procedures act as a framework for the vendor to define how the individual *Validation Host* and *Candidate Platform* was set up that make up the test nodes of the *Validation Cell*. The template validation procedure for the *Candidate Platform* also outlines how the test campaign was conducted. The vendor who is submitting their product for certification must modify these template set up and execution procedures, expanding the necessary details to complete each validation procedure for each platform in their *Validation Cell*.

These modified template documents will be submitted as part of this procedure. By examining these two modified templates, an independent party must be able to reproduce the vendor's test environment and test campaign without having to consult the vendor. These two templates will be the basis for conducting the optional "witnessed" test.

The two template procedures are:

Appendix A Validation Host Initial Validation Procedure

Appendix B Candidate Platform Initial Validation Procedure

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

1.3 How to execute these Validation Procedures

This *validation* procedure will be executed in the sequence specified in the vendor-modified templates. The intent of these validation procedure is to enable the Certification Authority to reproduce the vendor's *Validation Cell* configuration and test campaign by an independent "witness" if required.

2. Change History of this document

Initial 1.0 Revision, June 02, 2003

3. Overview of Validation Cell Configuration

The *Validation Cell* consists of two test nodes: a *Validation Host* and a *Candidate Platform* (the system that is being submitted for certification). The *Validation Host* provides services and test data to the *Candidate Platform* under test. The *Validation Host* contains an operating system with the COE Kernel, Web Server, Netscape Web Browser and PERL software installed. The *Validation Host* acts as an interoperable partner with the *Candidate Platform*. The *Validation Host* must either be a system certified to the current version of the COE Platform product standard, or a system certified by DISA under the previous program. If in doubt please contact The Open Group for confirmation of the choice of platform. If a vendor has a previously certified platform, the modified "*Candidate Platform Initial Validation Procedure*" submitted in the previous certification submission, with modification, should be sufficient as the basis for the "*Validation Host Initial Validation Procedure*". (This was referred to as *Appendix E* under the DISA KPC program).

3.1 Validation Cell Configuration

The configuration of a *Validation Cell* is depicted in figure 1. It consists of One Ethernet switch, one *Validation Host*, one *Candidate Platform*, a network laser printer and a tape device. It is assumed that this *Validation Cell* is in isolation and has no outside connection (intranet, internet, etc.)

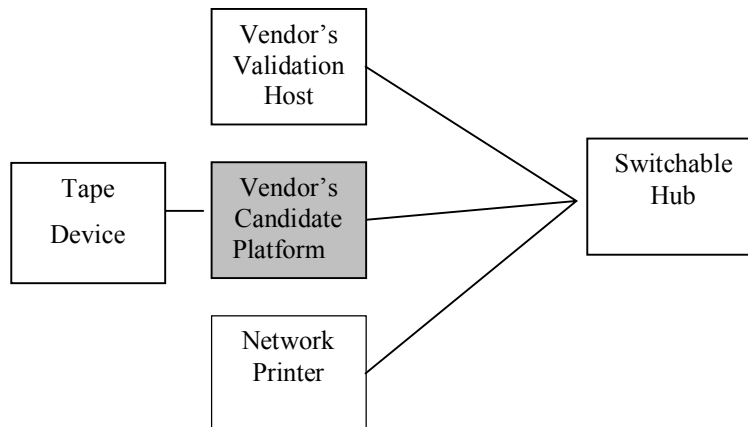


Figure 1. Validation Cell Configuration

4. Validation Host Setup

The following steps should be used as the bases for setting up the *Validation Host* but the specific installation instructions for the platform type will be vendor/platform unique. Note that the vendor's documentation and procedures must conform to the template document *Validation Host Initial Validation Procedure*. This is Appendix A of this document. This document is a template that is to be modified by the vendor with the specific setup details for their Validation Host platform type. The modified *Validation Host Initial Validation Procedure* as well as a modified *Candidate Platform Initial Validation Procedure* jointly describes the test environment used by the vendor to certify the Candidate Platform. Both documents shall be submitted to the Certification Authority as part of the vendor's submission for certification. The intent of these two documents is to permit an external "witness" to replicate both the test environment and test campaign used by the vendor without having to refer to the vendor for additional details.

Configure the Validation Host as follows:

- 1 Install the vendor's Operating System
- 2 Install DII COE Kernel Version 4.2.0.5P6
- 3 Install KPC Test Data for 4200P6
- 4 Configure DNS server
- 5 Install PERL segment
- 6 Install Netscape Communicator segment
- 7 Install Web Server segment
- 8 Backup the Validation Host
- 9 Restore the Validation Host

4.1 Installation of the Operating System

Install the operating system as described by the vendor.

If scripts are used these should be provided and listed. The vendor is permitted to refer to sections from their default user documentation but such references should be unambiguous and specific to the task of COE configuration. Step by step instructions are preferable to documentation references. As part of the installation the following settings should be used.

Item	Validation Host Configuration
Swap Space Size	Default swap space size
Hostname	kpchost
IP address	Class C Type. Must be the same subnet as Candidate Platform. The DISA IP address 204 . 34 . 175 . 194 may be used provided there is no external network connection. If an alternate IP address is used the test data will need to be modified.
Name Service	Select None (DNS will be set later.)
Time zone	GMT offset. Should be the same for both Validation Host as well a Candidate Platform

4.2 Disk Configuration/Partitioning

The disk structure needs to have the minimum partitioning to support the test environment. The partitioning sizes are minimum recommendations. The sizes of the partitions may be larger to take advantage of larger disk capacities. The size and arrangement of the partitions listed here were values used in the JITC reference host.

NOTE: Partitioning may occur across multiple disks	disk partitioning		
	<u>Partition</u>	<u>Name</u>	<u>Size</u>
	0	/	3000
	1	swap	512
	3	/h	3000
	4	/home1	1000
	5	/home2	1000
	6	/var	200
	7	/test	100
	8	/security1	100
9	/security2	100	

4.3 Installation of the COE Kernel

The installation procedures for the COE Kernel will be vendor unique. The following table lists configuration parameters specific to the set up on the Validation Host:

Item	Validation Host Configuration
Installation Procedures (Paragraph 4.2.1)	
Default router	n
Enable APM	y
hostname alias	kpchost.kpc.disa.mil

4.4 Installation of the KPC Test Data for 4200P6

The procedures for installing the KPC Test Data for 4200P6 is as follows:

1. Login as sysadmin.
2. Insert DII COE Kernel and Toolkit Source Code, Test Data, and Documentation CD-ROM into CD_ROM drive.
3. Open Applications > Application Manager > DII_APPS > SysAdm > Segment Installer.
4. Click Select Source.
5. Click CD-ROM.
6. If /cdrom/kpc_4206/* does not appear in the Filter text box, enter it now.
7. Click TD42P6.tar.
8. Click OK.
9. Click Read Contents.
10. Select KPC Test Data for 4200P6.
11. Click Install.
12. Enter the APM Authentication Key and click OK.
13. Click OK.
14. Click Exit.

4.5 DNS Server Configuration

The Validation Host provides root Domain Name Services (DNS) to the validation network. The COE installed software does not provide DNS. This requires the tester to create DNS configuration files for the *Validation Host*. The KPC Test Data for 4200P6 segment contains the necessary files and may be suitable for the platform type. They can be installed as follows:

- 1 Login as sysadmin.
- 2 Open a terminal window: Tools > Terminal.
- 3 Type su -
- 4 Enter the root password.
- 5 Type cd /kpc/dns
- 6 Type cp * /etc
- 7 Open Applications > Application Manager > DII_APPS > SysAdm > Set DNS
- 8 Enter the Validation Host's IP address in DNS Server IP Search Order.
- 9 Click Add.
- 10 Enter the domain name in Domain Suffix Search Order.
- 11 Click Add.
- 12 Select This system is primary DNS server.
- 13 Click OK.
- 14 Click OK.
- 15 Open Applications > Application Manager > DII_APPS > SysAdm > Reboot System.
- 16 Click Yes.

4.6 Installation of PERL

The installation of PERL may be platform/vendor unique. The installation of PERL must be a COE software segment installed via a COE segment installer.

4.7 Installation of Netscape Communicator

The installation of Netscape Communicator may be platform/vendor unique. The installation of Netscape Communicator must be a COE software segment installed via a COE segment installer. Use the Validation Host's fully qualified domain name (i.e. `kpchost.kpc.disa.mil`) as the web server and the Home Page.

4.8 Installation of Web Server

The installation of a web server may be platform/vendor unique. The installation of Netscape Communicator must be a COE software segment installed via a COE segment installer.

4.9 Backup the Validation Host

The backup procedures will be vendor/platform unique. Backup will be to an 8mm DAT tape and script driven unless an Open Group interpretation is granted. A sample backup script can be found in the 4.2p6 installed test data at `/kpc/backup/backup_vh`

4.10 Restore the Validation Host

The restoration procedures will be vendor/platform unique. Restoration will be from an 8mm DAT tape and script driven unless an Open Group interpretation is granted. A sample restoration script can be found in the 4.2p6 installed test data at `/kpc/backup/restore_vh`

5. Candidate Platform Setup

The following steps should be used as the bases for setting up the Candidate Platform but the specific installation instructions for the platform type will be vendor/platform unique. Note that the vendor's documentation and procedures must conform to the template document *Candidate Platform Initial Validation Procedure*. This is Appendix B of this document. This document is a template that is to be modified by the vendor with the specific setup details for their Candidate Platform type as well as the test campaign details. The modified *Candidate Platform Initial Validation Procedure* as well as a modified *Validation Host Initial Validation Procedure* jointly describes the test environment and test campaign used by the vendor to certify the Candidate Platform. This document shall be submitted to the Certification Authority as part of the vendor's submission for certification. The intent of these two documents is to permit an external "witness" to replicate both the test environment and test campaign used by the vendor without having to refer to the vendor for additional details.

The following procedures must be executed in the order presented. This order is reflected in the template validation procedures for the Candidate Platform:

The configuration and test campaign for the Candidate Platform is as follows:

- 1 Install Operating System
- 2 Perform COE source code build
- 3 Generate COE Kernel and Developer Tools install (tape) media
- 4 Reinstall Operating System
- 5 Install DII COE Kernel
- 6 Perform initial Kernel Overview manual procedures
- 7 Configure DNS server
- 8 Complete Kernel Overview manual procedures
- 9 Installation of PERL
- 10 Installation of Netscape Communicator
- 11 Attach the default network printer
- 12 Backup the Candidate Platform
- 13 Restore the Candidate Platform
- 14 Complete the Test Procedures. Note that the order of the test procedure execution is specified in the template validation procedures for the candidate platform. The remaining code segments that will need to be installed are specified in the individual test procedures.

5.1 Installation of the Operating System

Install the operating system as described by the vendor.

If scripts are used these should be provided and listed. The vendor is permitted to refer to sections from their default user documentation but such references should be unambiguous and specific to the task of COE configuration. Step by step instructions are preferable to documentation references. As part of the installation the following settings should be used.

Item	Validation Host Configuration
Swap Space Size	Default swap space size
Hostname	krccp
IP address	Class C Type. Must be the same subnet as Candidate Platform. The DISA IP address 204 . 34 . 175 . 195 may be used provided there is no external network connection. If an alternate IP address is used the test data will need to be modified.
Name Service	Select None (DNS will be set later.)
Time zone	GMT offset. Should be the same for both Validation Host as well a Candidate Platform

5.2 Disk Configuration/Partitioning

The disk structure needs to have the minimum partitioning to support the test environment. The partitioning sizes are minimum recommendations. The sizes of the partitions may be larger to take advantage of larger disk capacities. The size and arrangement of the partitions listed here were values used in a previous reference host.

NOTE: Partitioning may occur across multiple disks	disk partitioning		
	<u>Partition</u>	<u>Name</u>	<u>Size</u>
	0	/	3000
	1	swap	512
	3	/h	3000
	4	/home1	1000
	5	/home2	1000
	6	/var	200
	7	/test	100
	8	/security1	100
9	/security2	100	

5.3 Installation of the COE Kernel

The installation procedures for the COE Kernel will be vendor unique. The following table lists configuration parameters specific to the set up on the Validation Host:

Item	Candidate Platform Configuration
Default router	n
Enable APM	y
hostname alias	kpccp.kpc.disa.mil

5.4 DNS Client Configuration

The Candidate Platform uses the Domain Name Services (DNS) server on the Validation Host to resolve domain names. Procedures for configuring the Candidate Platform as a DNS client are as follows.

- 1 Login as sysadmin.
- 2 Open Applications > Application Manager > DII_APPS > SysAdm > Set DNS
- 3 Enter Candidate Platform IP address in DNS Server IP Search Order.
- 4 Click Add.
- 5 Enter kpc.disa.mil in Domain Suffix Search Order.
- 6 Click Add.
- 7 Click OK.
- 8 Click OK.

5.5 Installation of PERL

The installation of PERL may be platform/vendor unique. The installation of PERL must be a COE software segment installed via a COE segment installer.

5.6 Installation of Netscape Communicator

The installation of Netscape Communicator may be platform/vendor unique. The installation of Netscape Communicator must be a COE software segment installed via a COE segment installer. Use the Validation Host's fully qualified domain name (i.e. kpchost.kpc.disa.mil) as the web server and the Home Page.

5.7 Backup the Candidate Platform

The backup procedures will be vendor/platform unique. Backup will be to an 8mm DAT tape and script driven unless an Open Group interpretation is granted. A sample backup script can be found in the 4.2p6 installed test data at /kpc/backup/backup_cp

5.8 Restore the Candidate Platform

The restoration procedures will be vendor/platform unique. Restoration will be from an 8mm DAT tape and script driven unless an Open Group interpretation is granted. A sample restoration script can be found in the 4.2p6 installed test data at /kpc/backup/restore_cp

5.9 Attach Default Local Printer

Attach the default local printer to the Candidate Platform. Printer configuration will be performed in the relevant validation procedures.

A. Validation Host Initial Validation Procedure

Test Title: Validation Host Initial Validation Procedure

Candidate Platform: _____	Date _____
Tester: _____	Estimated Runtime: _____
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): _____	

Test Purpose/Scope: This document is the Appendix A template referred to in the *Template Setup Procedures for a COE Validation Cell*. This *Validation Host Initial Validation Procedure* template document provides the framework for the vendor to specify the detailed steps required to initialize a vendor’s Validation Host used as the interoperable partner in the validation cell for certification of the vendor’s Candidate Platform under the Open Group COE certification program. The completion of this document is a required component for submission for certification. The intent of this document is to provide a means by which a third party or “witness” can replicate the test environment used to certify the vendor’s Candidate Platform.

Description: This procedure outlines the required steps to initialize a Validation Host:

- A. Install Operating System
- B. Install COE kernel
- C. Install KPC Test Data
- D. Setup DNS server
- E. Installation of Perl
- F. Installation of Netscape Web Browser
- G. Install Web Server
- H. Backup/Restore Validation Host
- Z. Verify sysadmin logout

Test Data/Media Required: The following segments and documentation are required to execute this procedure:

- 1. Validation Host OS
- 2. COE Kernel
- 3. COE Kernel and Toolkit Source Code, Test Data, and Documentation for Version 4200P6 Version 1.0.0.1 CD-ROM.
- 4. Perl Segment
- 5. Netscape Web Browser Segment
- 6. Web Server Segment

Setup/Equipment Required: This procedure requires the Validation Host be ready to be initialized with a fresh operating system and test environment.

Required Personnel: One (1) tester required. The tester must be familiar with POSIX/UNIX application platforms, but need not be familiar with the Common Operating Environment (COE).

Problem Reporting, Waivers and Interpretations:

The vendor should itemize all problems, waivers and interpretations

Change History:

End of Preamble

	Operator Action	Expected Result	Observed Result
	Build the Validation Host		
A	Install the OS		
A.1	Install the Validation Host operating system per the vendor's Installation Procedure.	The OS is installed.	Circle one: PASS / FAIL
B	Install the COE Kernel on the Validation Host		
B.1	Install the COE Kernel per the vendor's Installation Procedure.	The COE Kernel is installed.	Circle one: PASS / FAIL
C	Install the Test Data		

	Operator Action	Expected Result	Observed Result
C.1	<p>The procedures for installing the KPC Test Data for 4200P6 is as follows:</p> <ol style="list-style-type: none"> 1. Login as sysadmin. 2. Insert DII COE Kernel and Toolkit Source Code, Test Data, and Documentation CD-ROM into CD_ROM drive. 3. Open Applications > Application Manager > DII_APPS > SysAdm > Segment Installer. 4. Click Select Source. 5. Click CD-ROM. 6. If /cdrom/kpc_4206/* does not appear in the Filter text box, enter it now. 7. Click TD42P6.tar. 8. Click OK. 9. Click Read Contents. 10. Select KPC Test Data for 4200P6. 11. Click Install. 12. Enter the APM Authentication Key and click OK. 13. Click OK. 14. Click Exit. 	Test Data is Installed	Circle one: PASS / FAIL
D	Setup DNS Server		

	Operator Action	Expected Result	Observed Result
D.1	<p>The Validation Host provides root Domain Name Services (DNS) to the validation cell's network. The DII COE installed software does not provide DNS. This requires the tester to create DNS configuration files for the Validation Host.</p> <p>Sample configuration files needed to configure a minimal root name server to satisfy testing can be found in Test Data area under /kpc/dns. Installation is as followed:</p> <ol style="list-style-type: none"> 1. Sample configuration files needed to configure a minimal root name server to satisfy testing can be found in Test Data area under /kpc/dns. Installation is as followed: 2. Login in as sysadmin 3. su - root 4. Copy configuration files to /etc 5. Open Applications > Application Manager > DII_APPS > SysAdm > Set DNS 6. Enter Valadation Host's IP address in DNS Server IP Search Order. 7. Click Add 8. Enter domain suffix in Domain Suffix Search Order. 9. Click Add. 10. Select []This system is primary DNS server. 11. Click OK. 12. Click OK. 13. Open Applications > Application Manager > DII_APPS > SysAdm > Reboot System. 14. Click Yes. 	A minimal root name server installed.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
D.2	Verify DNS is set		
D.2.1	Open a Terminal window.	A Terminal window appears with a command line prompt.	Setup
D.2.2	At the command prompt, type nslookup NOTE: This command is OS specific. Use the relevant command on the OS being tested and note it in the Observed Results column.	The system returns Default Server: "Validation Host domain name" Address: "Validation Host IP address" The system returns the nslookup prompt, >, in the Terminal window. NOTE: This result is OS specific.	Circle one: PASS / FAIL
D.2.3	At the nslookup prompt, type exit	The command prompt returns.	Circle one: PASS / FAIL
D.2.4	Close the Terminal window.	The Terminal window disappears.	Cleanup

	Operator Action	Expected Result	Observed Result
E	Installation of Perl		
E.1	Install Perl segment		
E.1.1	Follow vendor specific installation procedures for installing PERL segment.	Perl is installed.	Circle one: PASS / FAIL
F	Installation of Netscape Web Browser		
F.1	Install Netscape Web Browser (WEBBr) segment		
F.1.1	Follow vendor specific installation procedures for installing Netscape Web Browser. Default Home Page should be validation host.	Netscape Web Browser is installed.	Circle one: PASS / FAIL
G	Install Web Server		
G.1	Follow vendor specific installation procedures for installing Web Server segment.	A web server is installed	
H	Backup Candidate/Restore Platform		
H.1	Create a Validation Host backup tape		
H.1.1	Create a Validation Host backup tape per vendor's Installation Procedure.	A backup tape is created.	Circle one: PASS / FAIL
H.2	Restore the Candidate Platform from backup tape		
H.2.1	Restore the Validation Host from backup tape per vendor's Installation Procedure.	The Validation Host is restored.	Circle one: PASS / FAIL
Z	Logout		
Z.1	Verify sysadmin Logout		

	Operator Action	Expected Result	Observed Result
Z.1.1	Log into the Validation Host as sysadmin.	The menu bar, security classification and CDE desktop appear.	Circle one: PASS / FAIL
Z.1.2	Select [EXIT] button from CDE.	Logout confirmation window appears.	Circle one: PASS / FAIL
Z.1.3	Select [CONTINUE LOGOUT].	System exits and the COE LOGIN screen appears.	Circle one: PASS / FAIL

B. Candidate Platform Initial Validation Procedure

Test Title: Candidate Platform Initial Validation Procedure

Candidate Platform: _____	Date: _____	
Tester: _____	Estimated Runtime: _____	
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): _____	

Test Purpose/Scope: This document is the Appendix B template referred to in the *Template Setup Procedures for a COE Validation Cell*. This *Candidate Platform Initial Validation Procedure* template document provides the framework for the vendor to specify the detailed steps required to initialize a vendor's Candidate Platform for certification under the Open Group COE certification program. The completion of this document is a required component for submission for certification. The intent of this document is to demonstrate the lineage of the COE code ported to the Candidate Platform and to provide a means by which a third party or "witness" and replicate the test environment and test campaign used to certify the Candidate Platform. The test campaign defined and specified by the vendor in this document will act as the agreed roadmap for conducting the optional "witness" test.

Description: This test procedure initializes a Candidate Platform and outlines the test campaign using the following steps:

- A. Vendor specific details for building the Kernel and Toolkit
- B. Build Candidate Platform for COE KPC Validation Test Procedures
- C. Set up DNS
- D. Backup and Restore Candidate Platform
- E. Conduct Test Campaign

Test Data/Media Required: The following segments and documentation are required to execute this test:

- 1 Vendor supplied source code and build procedure.
- 2 COE Kernel and Toolkit Source Code, Test Data, and Documentation for Version 4200P6 Version 1.0.0.1 CD-ROM.
- 3 Perl Segment
- 4 Netscape Web Browser Segment

Setup/Equipment Required: This test requires a Candidate Platform ready to be initialized with a fresh operating system and test environment.

Required Personnel: One (1) tester required. The tester must be familiar with POSIX/UNIX application platforms, but need not be familiar with the Common Operating Environment (COE).

Problem Reporting, Waivers and Interpretations:

The vendor will itemize all problems, waivers and interpretations

Change History:

End of Preamble

Start of Validation Procedure

	Operator Action	Expected Result	Observed Result
A	Vendor Build Kernel and Toolkit		
A.1	Install the COE Kernel on the Candidate Platform		
A.1.1	Install the COE Kernel per the vendor's Installation Procedure.	The Kernel is installed.	Circle one: PASS / FAIL
A.2	Compile the Candidate Platform Source Code and Create Master and Back Up Tapes of the Kernel and Toolkit per the Vendor's Build Procedure		
A.2.1	Compile the Candidate Platform Source Code per the Vendor's Build Procedure. The vendor needs to demonstrate linkage to the GSKS code. The vendor needs to document all procedures required to replicate the build environment including any scripts and compilation output.	Source code compiles. The detail provided is sufficient for a test operator unfamiliar with the process to repeat it.	Circle one: PASS / FAIL
A.3	Create Master and Back Up Tapes of the Kernel and Toolkit		
A.3.1	Create Master and Back Up Tapes of the Kernel and Toolkit per the Vendor's Build Procedure	Backup tapes are created.	Circle one: PASS / FAIL
B	Build Candidate Platform for COE KPC Validation Test Procedures		
B.1	Install the Candidate Platform OS		
B.1.1	Install the Candidate Platform operating system per the vendor's Installation Procedure.	The OS is installed.	Circle one: PASS / FAIL
B.2	Install the COE Kernel on the Candidate Platform		

	Operator Action	Expected Result	Observed Result
B.2.1	Install the COE Kernel per the vendor's Installation Procedure.	The Kernel is installed.	Circle one: PASS / FAIL
B.3	Perform initial Kernel Overview manual test		
	Perform initial Kernel Overview manual test section A through section B (Chapter 1)	Successful logon of sysadmin	Circle one: PASS / FAIL
C	Set up DNS		
C.1	Set the DNS parameters		
C.1.1	Double-click Set DNS in the Application Manager - SysAdm window.	The DNS Setup window appears with all text boxes and list boxes empty.	Circle one: PASS / FAIL
C.1.2	In the DNS Server IP Search Order text box, enter IP address of validation host.	The IP address appears in the DNS Server IP Search Order text box.	Circle one: PASS / FAIL
C.1.3	In the DNS Server IP Search Order panel, click Add.	The IP address moves down to the DNS Server IP Search Order list box.	Circle one: PASS / FAIL
C.1.4	In the Domain Suffix Search Order text box, enter domain.	The domain suffix appears in the Domain Suffix Search Order text box.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
C.1.5	In the Domain Suffix Search Order panel, click Add.	The domain suffix moves down to the Domain Suffix Search Order list box.	Circle one: PASS / FAIL
C.1.6	In the DNS Setup window, click OK.	A Done dialogue box appears with the message: Operation completed successfully.	Circle one: PASS / FAIL
C.1.7	Click OK.	The dialog box disappears.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
C.2	Verify DNS is set		
C.2.1	Open a Terminal window.	A Terminal window appears with a command line prompt.	Setup
C.2.2	At the command prompt, type nslookup NOTE: This command is OS specific. Use the relevant command on the OS being tested and note it in the Observed Results column.	The system returns Default Server: "Validation Host domain name" Address: "Validation Host IP address" The system returns the nslookup prompt, >, in the Terminal window. NOTE: This result is OS specific. The result should indicate the Candidate Platform was able to communicate with the Validation Host.	Circle one: PASS / FAIL
C.2.3	At the nslookup prompt, type exit	The command prompt returns.	Circle one: PASS / FAIL
C.2.4	Close the Terminal window.	The Terminal window disappears.	Cleanup

	Operator Action	Expected Result	Observed Result
D	Backup and Restore Candidate Platform		
D.1	Create a Candidate Platform backup tape		
D.1.1	Create a Candidate Platform backup tape per vendor's Installation Procedure.	A backup tape is created.	Circle one: PASS / FAIL
D.2	Restore the Candidate Platform from backup tape		
D.2.1	Restore the Candidate Platform from backup tape per vendor's Installation Procedure.	The Candidate Platform is restored.	Circle one: PASS / FAIL
E	Execute Test Campaign		
E.1	Complete Kernel Overview manual test procedure sections C through Z (Chapter 1). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.2	Execute all sections of the Segment Installation manual test procedure (Chapter 5). Any required software segments will be installed as part of the test procedure.	The manual test suite completes.	Circle one: PASS / FAIL
E.3	Execute all sections of the Account and Profile Manager (client) manual test procedure (Chapter 3). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
E.4	Execute all sections of the Account and Profile Manager (master) manual test procedure (Chapter 4). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.5	Execute all sections of the Developer's Runtime and Toolkit manual test procedure (Chapter 7). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.6	Execute all sections of the Audit Log File manual test procedure (Chapter 8). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.7	Execute all sections of the SMTP Interoperability manual test procedure (Chapter 9). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.8	Execute all sections of the FTP Interoperability manual test procedure (Chapter 10). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
E.9	Execute all sections of the WWW Interoperability manual test procedure (Chapter 11). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.10	Execute all sections of the NFS manual test procedure (Chapter 12). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.11	Execute all sections of the TCP/IP and DNS Interoperability manual test procedure (Chapter 13). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.12	Execute all sections of the Print Services manual test procedure (Chapter 2). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.13	Execute all sections of the Remote Installation manual test procedure (Chapter 6). Any required software segments will be installed as part of the test procedure.	The manual test suite completes	Circle one: PASS / FAIL
E.14	Execute Security Test Suite (Chapter 14).	The test suite completes	Circle one: PASS / FAIL

End of Validation Procedure