

The Open Group
COE Platform Certification Program

Manual Validation Procedures
Introduction and Overview

June 02, 2003
Revision 1.0

Table of Contents

1. Overview	iii
1.1 Document Purpose and Scope	iii
1.2 Recommended Reading	iii
1.3 About the Manual Validation Procedures	iii
2. Test Procedure Contents	iv
2.1 Scope:	iv
2.2 Description of test items	iv
2.3 Test Data/Media Required	iv
2.4 Setup/Equipment Required	iv
2.5 Required Personnel	v
2.6 Change History	v
3. How to Execute a Test Procedure	v
3.1 Determination of Overall Test Results	v
3.2 Determining a Test Item's Results	v
3.3 Problem Reporting, Waivers and Interpretations	vi
3.4 Not In Use Test Items	vi
3.5 Results Submission	vii
3.6 Nomenclature	vii
4. Change History	vii
5. Document Control	viii

1. Overview

1.1 Document Purpose and Scope

This document is the introduction and overview to the Manual Validation Procedures used as part of the required set of test procedures in the certification of products to The Open Group COE Platform Product Standard. The Manual Validation Procedures are available as a series of documents, which for ease of reference are referred to as *chapters*¹ as noted below.

This document is intended for suppliers who intend to submit a product for certification. These test 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 the manual test procedures that were performed as part of the certification process.

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

1.2 Recommended Reading

The reader is referred to the *COE Platform Certification Policy* for definitions and abbreviations used within this document.

The reader is referred to the *COE Certification Guide* for high-level guidance on the overall testing program for the COE Platform Product Standard.

COE Platform certification is part of The Open Brand certification program. The reader is referred to The Practical Guide to The Open Brand for general information about The Open Brand certification program (Brand Documentation, Document No. X221).

1.3 About the Manual Validation Procedures

The Manual Validation Procedures are organized as a series of parts and chapters. Each chapter comprises an individual manual validation procedure. Common material is provided in this introduction that applies to all chapters.

Part 1 contains the Manual Validation Procedures for the COE Government-Supplied Kernel Source Product Standard:

Chapter 1 Kernel Overview Validation Procedure

Chapter 2 Print Services Validation Procedure

Chapter 3 Account and Profile Manager Validation Procedure (client)

¹*Chapter* references are utilized for Problem Reporting, and for change control updates to the Manual Validation Procedures.

Chapter 4	Account and Profile Manager Validation Procedure (master)
Chapter 5	Segment Installation Validation Procedure
Chapter 6	Remote Installation Validation Procedure
Chapter 7	Developers Toolkit and Runtime Validation Procedure
Chapter 8	Audit Log File Validation Procedure

Part 2 contains the Manual Validation Procedures for the COE Platform Standards Product Standard:

Chapter 9	Simple Mail Transport Protocol (SMTP) Interoperability Validation Procedure
Chapter 10	File Transfer Protocol (FTP) Interoperability Validation Procedure
Chapter 11	World Wide Web (WWW) Interoperability Validation Procedure
Chapter 12	Network File System (NFS) Validation Procedure
Chapter 13	TCP/IP and DNS Interoperability Validation Procedure

2. Test Procedure Contents

Each test procedure contains the following information:

2.1 Scope:

Each test procedure contains a *Scope* section that describes the purpose of the test procedure and an overview of the assurance provided by it.

2.2 Description of test items

Each test procedure contains a *Description* section describing the functionality that is to be exercised.

2.3 Test Data/Media Required

Each test procedure contains the test data and media requirements, if any.

2.4 Setup/Equipment Required

Each test procedure contains the setup and equipment requirements for the procedure.

2.5 Required Personnel

Each test procedure contains the required personnel and any required skills or knowledge.

2.6 Change History

3. How to Execute a Test Procedure

The following requirements apply to all the manual validation procedures.

Testing must always take place using the most recent authorized version of the procedure. This may mean that if a new version of a procedure becomes available after testing has commenced but before submission of the results some test steps may need to be repeated. This will not ordinarily require the complete rerun of a test procedure since the tests themselves will not change only the interpretation guidance. However, it does mean that while certain TSD's may have been valid for the previous version of the test procedure they may cease to be valid for the new version.

The test procedures must be executed in the sequence specified in the table of test procedure items that are included in each chapter. Due to the nature of some of the procedures it should be noted that failure to execute the manual test procedure steps in the order specified may cause damage to the system under test. They must be executed as an uninterrupted run. The "Observed Results" of each test item in the test procedure table must be recorded. This table of test procedure items and recorded results are to be submitted as a component of the certification process.

The Kernel Overview Validation Procedure must be completed with no fail results, after all problem reports are resolved, before any other Manual test procedures should be attempted.

3.1 Determination of Overall Test Results

The overall PASS/FAIL result for a test procedure is determined as follows: The overall test result is "PASS" if and only if all test items that have PASS/FAIL condition in the "Observed Result" column, have a test "PASS" result.

3.2 Determining a Test Item's Results

For each test item in the test procedure table with a "Circle One: PASS/FAIL" in the Observed Result column, the tester compares the directly observed Candidate Platform behavior with the "PASS" criteria. Unless other PASS criteria are noted in the test item, the test item's result is "PASS" if and only if the Candidate Platform presents all of the behaviors and conditions described in the "Expected Result" column for that test procedure item. The test procedure item's result is "FAIL" if the Candidate Platform fails to satisfy any of the PASS criteria. For the avoidance of doubt should a test step result in no apparent behavior of any kind this also

constitutes a "FAIL" unless the absence of any behavior is defined as the expected outcome of the test step.

If the test item results are "PASS", the tester will circle "PASS" and note the actual behaviors and conditions presented in the "Observed Result" column. If the observed result precisely matches the expected result, the Observed Result column for the test item may contain the statement "as expected."

If the test procedure item results are "FAIL", the tester will circle "FAIL" in the Observed Result column. A "FAIL" can only be related to an already approved Problem Report. Insert a valid reference to an approved Problem Report from the Problem Reporting database. An approved Problem Report is one that has resulted in an agreed Interpretation of the specification, a Test Suite Deficiency, or a Certification System Deficiency. These apply to specific releases of the specification, Manual Validation Procedure, or certification system.

In the case that the results of testing are to be subject to on-site witness testing in connection with "Specific Platform certification" the most recent versions of the Manual Validation procedures will be used. In some cases that may mean that a referenced TSD or other interpretations may have ceased to be valid for the purpose of witness testing. In exceptional cases it may be established during witness testing that an existing approved TSD does not justify the disregarding of a fail result and in that case the test procedure will be updated there and then to that effect. In such cases the TSD in question will no longer be acceptable for the fail result and either the implementation will need to pass or a new TSD will be required. Applicants should therefore be aware that the applicability of any referenced TSD's might be subject to particular scrutiny during Witness testing.

3.3 Problem Reporting, Waivers and Interpretations

To report a problem on a specific procedure, the *chapter* and *sub-procedure* reference should be given, for example to report a problem in the Kernel Overview procedure, sub procedure A.1.7, the correct reference would be *Chapter1/A.1.7*.

When submitting a problem report, if relevant, include the proposed impact on subsequent test procedures that granting the request will incur.

More information about the procedures for applying for interpretations and waivers can be found on The Open Group's World Wide Web site, at the URL

<http://www.opengroup.org/openbrand/coe/PR/>

A searchable database of existing interpretations and waivers is also available at that URL.

See Chapter 6 of the Practical Guide to The Open Brand (Document X221) for further information regarding policies and processes for Interpretations, Test Suite Deficiencies, and Temporary Waivers (http://www.opengroup.org/openbrand/Certification_Guide/chap06.htm).

3.4 Not In Use Test Items

Test items that are "grayed out" (i.e., the entire table row is set to a gray background) are to be considered to be NOT IN USE for this test version only. Grayed out test steps are not to be executed (they may cause unexpected problems)

nor is observed behavior to be recorded. These test steps may be included in the overall test at a future date and are retained for information purposes only. PASS/FAIL criteria identified in these test steps will not be used in the determination of the overall test result.

3.5 Results Submission

Sections 3 and 4 of each procedure must be completed by the applicant and submitted as part of a formal certification submission. Completion may either be in hardcopy or electronic if the pdf versions of the documents are edited using the Adobe Acrobat utility.

3.6 Nomenclature

Lower case "s" in brackets [s] denotes a blank space; lower case "r" in brackets [r] denotes a carriage return; lower case "s" and "r" together in brackets [s] [r] denotes a blank space and carriage return.

4. Change History

Initial Release Revision 1.0 02 June 2003

