



Enabler Test Specification for ESMP

Candidate Version 1.0 - 24 Aug 2007

Open Mobile Alliance
OMA-ETS-ESMP-V1_0-20070824-C

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2007 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

Contents

1. SCOPE	3
2. REFERENCES	3
2.1. NORMATIVE REFERENCES	3
2.2. INFORMATIVE REFERENCES	3
3. TERMINOLOGY AND CONVENTIONS	3
3.1. CONVENTIONS	3
3.2. DEFINITIONS	3
3.3. ABBREVIATIONS	3
4. INTRODUCTION	3
5. CONFORMANCE TEST CASES	3
5.1. USER AGENT	3
5.1.1. UTF-16 Code point support	3
5.1.2. UTF-8 Code point support	3
5.1.3. Semicolon support at end of statements	3
5.1.4. ECMAScript Language Syntax and semantics.....	3
5.1.5. Support for eval()	3
5.1.6. Support for EvalError Exception.....	3
5.1.7. Support for dynamic function creation (ECMA-327)	3
5.1.8. Support for the with statement (ECMA-327).....	3
5.1.9. Support for dynamic modification of built-in objects (ECMA-327).....	3
5.1.10. Version properties for all native objects.....	3
5.1.11. All non-native, built-in objects are enumerable	3
5.1.12. All native, built-in objects are enumerable.....	3
5.1.13. Native Object Support – Global Object	3
5.1.14. Native Object Support – Array Object.....	3
5.1.15. Native Object Support – String Object.....	3
5.1.16. Native Object Support – Regular Expression Object	3
5.1.17. Native Object Support – Boolean Object	3
5.1.18. Native Object Support – Number Object	3
5.1.19. Native Object Support – Math Object	3
5.1.20. Native Object Support – Date Object.....	3
5.1.21. Native Object Support – Error Object.....	3
5.1.22. Native Object Support – Object Creation.....	3
5.1.23. Native Object Support – Function Object - dynamic function construction (ECMA-327).....	3
5.1.24. Support for Native Error Types.....	3
5.1.25. Support for Inline Script Execution.....	3
5.1.26. Support for Deferred Script Execution.....	3
5.1.27. Support for File Based Script Execution	3
5.1.28. Abnormal termination error reporting	3
5.1.29. Support for Aborted Script completion	3
5.1.30. Support for XHTML Events	3
5.1.31. Support for DOM2 compliant event binding.....	3
5.1.32. Host Object Support – parent global Object.....	3
5.1.33. Host Object Support – navigator Object	3
5.1.34. Host Object Support – history Object	3
5.1.35. Host Object Support – location Object.....	3
5.1.36. Host Object Support – Basic document Object.....	3
5.1.37. DOM Object Support – Exception Object.....	3
5.1.38. DOM Object Support – Node Object – Property Support.....	3
5.1.39. DOM Object Support – Node Object – Data Interrogation Methods	3
5.1.40. DOM Object Support – Node Object – Structural Modification Mutation Methods	3
5.1.41. DOM Object Support – document Object - Data Interrogation Methods.....	3

- 5.1.42. DOM Object Support – document Object – Structural Modification Mutation Methods 3
- 5.1.43. DOM Object Support – NodeList Object..... 3
- 5.1.44. DOM Object Support – Element Object – Property Support 3
- 5.1.45. DOM Object Support – Element Object – Data Interrogation Methods 3
- 5.1.46. DOM Object Support – Element Object – Data Modification Methods 3
- 5.1.47. DOM Object Support – Element Object – Structural Modification Mutation Methods..... 3
- 5.1.48. DOM Object Support – Text Object 3
- 5.1.49. XHTML DOM Support – XHTML Document Object 3
- 5.1.50. XHTML DOM Support – Link Object..... 3
- 5.1.51. XHTML DOM Support – Image Object 3
- 5.1.52. XHTML DOM Support – Form Object 3
- 5.1.53. XHTML DOM Support – Text Input Object 3
- 5.1.54. XHTML DOM Support – Radio Input Object 3
- 5.1.55. XHTML DOM Support – Checkbox Input Object..... 3
- 5.1.56. XHTML DOM Support – Submit Object..... 3
- 5.1.57. XHTML DOM Support – Reset Object 3
- 5.1.58. XHTML DOM Support – Select Element Object 3
- 5.1.59. XHTML DOM Support – Option Element Object..... 3
- 5.1.60. XHTML DOM Support – Screen Object 3
- 5.2. PROXY/GATEWAY/PEP..... 3**
- 6. INTEROPERABILITY TEST CASES 3**
- 6.1. USER AGENT..... 3**
- 6.1.1. Support for Inline Script Execution..... 3
- 6.1.2. Support for Deferred Script Execution..... 3
- 6.1.3. Support for File Based Script Execution..... 3
- 6.1.4. Semicolon support at end of statements 3
- 6.1.5. Support for EvalError Exception..... 3
- 6.1.6. Native Object Support – String Object..... 3
- 6.1.7. Native Object Support – Error Object..... 3
- 6.1.8. Support for DOM2 compliant event binding 3
- 6.1.9. Host Object Support – parent global Object 3
- 6.1.10. Host Object Support – navigator Object 3
- 6.1.11. Host Object Support – history Object 3
- 6.1.12. Host Object Support – location Object..... 3
- 6.2. PROXY/GATEWAY/PEP..... 3**
- 6.2.1. UTF-16 Code point support 3
- 6.2.2. UTF-8 Code point support 3
- 6.2.3. Semicolon support at end of statements 3
- 6.2.4. ECMAScript Language Syntax and semantics..... 3
- 7. SCR MAPPING..... 3**
- APPENDIX A. CHANGE HISTORY (INFORMATIVE) 3**
- A.1 APPROVED VERSION HISTORY 3**

1. Scope

This document describes in detail available test cases for OMA ECMAScript Mobile Profile (ESMP) version 1.0.

2. References

2.1. Normative References

- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”. S. Bradner. March 1997.
URL: <http://www.ietf.org/rfc/rfc2119.txt>
- [ESMP] “WAP - ECMAScript Specification”. Open Mobile Alliance™. OMA-ESMP-V1_0_0-20031120-C.
URL: http://www.openmobilealliance.org/ftp/PD/OMA-ESMP-V1_0_0-20031120-C.zip
- [ECMACR] Crypto Object for ECMAScript Mobile Profile Specification, Open Mobile Alliance™,
URL: http://www.openmobilealliance.org/ftp/PD/pending/OMA-WAP-ECMACR-V1_0_0-20020925-D.zip
- [ECMA-262] ECMAScript Language Specification, W3C Recommendation, 19 December 2000
URL: <http://www.ecma.ch/ecma1/STAND/ECMA-262.HTM>
- [ECMA-327] Standard ECMA-327, “ECMAScript 3rd Edition Compact Profile”, June 2001,
URL: <ftp://ftp.ecma.ch/ecma-st/Ecma-327.pdf>
- [ESMPSuite] “ECMA Script Mobile Profile Test Code”, Open Mobile Alliance™, OMA-ETS-ESMP_Test_Code-V1_0-20071009-C, URL: <http://www.openmobilealliance.org>
- [BrowsingETP] “Enabler Test Plan for Browsing V2.2” Open Mobile Alliance™, OMA-ETP-Browsing-V2_2-20040913-D
<http://www.openmobilealliance.org/ftp/IOP/IOP-BROWSING/ID/04/OMA-IOP-BROWSING-2004-0061-Browsing-Test-Plan.zip>

2.2. Informative References

-

3. Terminology and Conventions

3.1. Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

The following numbering scheme is used:

xxx-y.z-con-number where:

xxx	Name of enabler, e.g. MMS or Browsing
y.z	Version of enabler release, e.g. 1.2 or 1.2.1
con	Indicating this test is a conformance test case
number	Leap number for the test case

Or

xxx-y.z-int-number where:

xxx	Name of enabler, e.g. MMS or Browsing
y.z	Version of enabler release, e.g. 1.2 or 1.2.1
int	Indicating this test is a interoperability test case
number	Leapnumber for the test case

3.2. Definitions

Test environment is set up and Client devices are configured according to [BrowsingETP].

3.3. Abbreviations

ETR	Enabler Test Requirements
ETS	Enabler Test Specification
SCR	Static Conformance Statement
ECMA	European Computers Manufacturers Association
ESMP	ECMAScript Mobile Profile

4. Introduction

The purpose of this document is to provide test cases for OMA ECMAScript Mobile Profile (ESMP) version 1.0.

Any issues found during Conformance testing SHOULD be reported to OMA using Enabler Test Reports.

5. Conformance Test Cases

There are 60 conformance test cases for ESMP 1.0 specified. These TCs uses a donated test suite [ESMPSuite] which intend to be run remotely as specified on the [BrowsingETP]. Some TCs from this ETS are formed by several smaller Test Assertions from [ESMPSuite]. A total of 818 TAs from the available test suite [ESMPSuite] are necessary to run.

For 3 TCs no donated TC was found.

5.1. User Agent

5.1.1. UTF-16 Code point support

Test Case ID	ESMP-1.0-conf-2
Test Object	Client device
Test Case Description	To test the UTF-16 Code point support.
Specification Reference	[ESMP] Section 5.1.1
SCR Reference	ESMP-LANGUAGE-C-002
Tool	[ESMPSuite]
Test Code	See test procedure in [ESMP Suite].
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion from the [ESMPSuite] Section 5.1.1: 49.01.02
Pass-Criteria	The verification criteria in the test suite [ESMPSuite] are met.

5.1.2. UTF-8 Code point support

Test Case ID	ESMP-1.0-conf-3
Test Object	Client device
Test Case Description	To test the UTF-8 Code point support.
Specification Reference	[ESMP] Section 5.1.1.
SCR Reference	ESMP-Language-C-003
Tool	[ESMPSuite]

Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion from the [ESMPSuite]: 49.01.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.3. Semicolon support at end of statements

Test Case ID	ESMP-1.0-conf-5
Test Object	Client device
Test Case Description	To test the semicolon support at end of statements t.
Specification Reference	[ESMP] Section 5.1.3.
SCR Reference	ESMP-Language-C-005
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion from the [ESMPSuite] Section 5.1.3: 49.01.10
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.4. ECMAScript Language Syntax and semantics

Test Case ID	ESMP-1.0-conf-7
Test Object	Client device
Test Case Description	To test the ECMAScript Language Syntax and semantics.
Specification Reference	[ESMP] Section 5.5.
SCR Reference	ESMP-Language-C-008
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.05.01 – 49.07.45
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.5. Support for eval()

Test Case ID	ESMP-1.0-conf-8
Test Object	Client device
Test Case Description	To test the support for eval().
Specification Reference	[ESMP] Section 5.4.2.
SCR Reference	ESMP-Language-C-009
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.06.38
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.6. Support for EvalError Exception

Test Case ID	ESMP-1.0-conf-9
Test Object	Client device
Test Case Description	To test the support for EvalError exception.
Specification Reference	[ESMP] Section 5.5, 6.12.2.
SCR Reference	ESMP-Language-C-010
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion from the [ESMPSuite]: 49.08.37
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.7. Support for dynamic function creation (ECMA-327)

Test Case ID	ESMP-1.0-conf-10
Test Object	Client device
Test Case Description	To test the support for dynamic function creation (ECMA-327).
Specification Reference	[ESMP] Section 5.4.2.
SCR Reference	ESMP-Language-C-011
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.17.04 – 49.17.05
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.8. Support for the with statement (ECMA-327)

Test Case ID	ESMP-1.0-conf-11
Test Object	Client device
Test Case Description	To test the support for the with statement (ECMA-327).
Specification Reference	[ESMP] Section 5.5.3.
SCR Reference	ESMP-Language-C-012
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.07.28
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.9. Support for dynamic modification of built-in objects (ECMA-327)

Test Case ID	ESMP-1.0-conf-12
Test Object	Client device
Test Case Description	To test the support for dynamic modification of built-in objects (ECMA-327).
Specification Reference	[ESMP] Section 19.
SCR Reference	ESMP-Language-C-013
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.16.08
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.10. Version properties for all native objects

Test Case ID	ESMP-1.0-conf-13
Test Object	Client device
Test Case Description	To test the version properties for all native objects
Specification Reference	[ESMP] Section 6.2.1.
SCR Reference	ESMP-Language-C-014
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.08.01, 49.09.13, 49.10.07, 49.11.01, 49.12.07, 49.13.09, 49.14.03, 49.15.13, 49.16.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.11. All non-native, built-in objects are enumerable

Test Case ID	ESMP-1.0-conf-14
Test Object	Client device
Test Case Description	To test that all non-native, built-in objects are enumerable.
Specification Reference	[ESMP] Section 6.2.2.
SCR Reference	ESMP-Language-C-015
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.25.01, 49.26.01, 49.27.01, 49.28.01, 49.29.01, 49.41.01, 49.42.01, 49.43.01, 49.44.01, 49.45.01 and 49.46.01, (xHTML DOM objects have no TCs available)
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.12. All native, built-in objects are enumerable

Test Case ID	ESMP-1.0-conf-15
Test Object	Client device
Test Case Description	To test that All native, built-in objects are enumerable t.
Specification Reference	[ESMP] Section 6.2.2.
SCR Reference	ESMP-Language-C-016
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.08.01, 49.09.13, 49.10.07, 49.11.01, 49.12.07, 49.13.09, 49.14.03, 49.15.13 and 49.16.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.13. Native Object Support – Global Object

Test Case ID	ESMP-1.0-conf-16
Test Object	Client device
Test Case Description	To test the Native Object Support – Global Object.
Specification Reference	[ESMP] Section 6.3.
SCR Reference	ESMP-Language-C-017
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.08.02 – 49.08.38
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.14. Native Object Support – Array Object

Test Case ID	ESMP-1.0-conf-17
Test Object	Client device
Test Case Description	To test the Native Object Support – Array Object.
Specification Reference	[ESMP] Section 6.4.
SCR Reference	ESMP-Language-C-018
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.09.01 – 49.09.12, 49.09.14 – 49.09.71
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.15. Native Object Support – String Object

Test Case ID	ESMP-1.0-conf-18
Test Object	Client device
Test Case Description	To test the Native Object Support – String Object.
Specification Reference	[ESMP] Section 6.4.
SCR Reference	ESMP-Language-C-019
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.10.01 – 49.10.06, 49.10.08 – 49.10.36
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.16. Native Object Support – Regular Expression Object

Test Case ID	ESMP-1.0-conf-19
Test Object	Client device
Test Case Description	To test the Native Object Support – Regular Expression Object.
Specification Reference	[ESMP] Section 6.6.
SCR Reference	ESMP-Language-C-020
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.11.02 – 49.11.09, 49.11.19 – 49.11.51
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.17. Native Object Support – Boolean Object

Test Case ID	ESMP-1.0-conf-20
Test Object	Client device
Test Case Description	To test the Native Object Support – Boolean Object.
Specification Reference	[ESMP] Section 6.7.
SCR Reference	ESMP-Language-C-021
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.12.01 – 49.12.06, 49.12.08 – 49.12.11
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.18. Native Object Support – Number Object

Test Case ID	ESMP-1.0-conf-21
Test Object	Client device
Test Case Description	To test the Native Object Support – Number Object.
Specification Reference	[ESMP] Section 6.8.
SCR Reference	ESMP-Language-C-022
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.13.01 – 49.13.08, 49.13.10 – 49.13.49
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.19. Native Object Support – Math Object

Test Case ID	ESMP-1.0-conf-22
Test Object	Client device
Test Case Description	To test the Native Object Support – Math Object
Specification Reference	[ESMP] Section 6.9.
SCR Reference	ESMP-Language-C-023
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.14.01 – 49.14.02, 49.14.04 – 49.14.53
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.20. Native Object Support – Date Object

Test Case ID	ESMP-1.0-conf-23
Test Object	Client device
Test Case Description	To test the Native Object Support – Date Object.
Specification Reference	[ESMP] Section 6.10.
SCR Reference	ESMP-Language-C-024
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.15.01 – 49.15.12, 49.15.14 – 49.15.97
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.21. Native Object Support – Error Object

Test Case ID	ESMP-1.0-conf-24
Test Object	Client device
Test Case Description	To test the Native Object Support – Error Object.
Specification Reference	[ESMP] Section 6.11.
SCR Reference	ESMP-Language-C-025
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.16.02 – 49.16.07, 49.16.09 – 49.16.12
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.22. Native Object Support – Object Creation

Test Case ID	ESMP-1.0-conf-25
Test Object	Client device
Test Case Description	To test the Native Object Support – Object Creation.
Specification Reference	[ESMP] Section 6.13.1.
SCR Reference	ESMP-Language-C-026
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.17.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.23. Native Object Support – Function Object - dynamic function construction (ECMA-327)

Test Case ID	ESMP-1.0-conf-26
Test Object	Client device
Test Case Description	To test the Native Object Support – Function Object - dynamic function construction (ECMA-327).
Specification Reference	[ESMP] Section 6.13.2.
SCR Reference	ESMP-Language-C-027
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.17.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.24. Support for Native Error Types

Test Case ID	ESMP-1.0-conf-27
Test Object	Client device
Test Case Description	To test the support for Native Error Types.
Specification Reference	[ESMP] Section 6.12.2.
SCR Reference	ESMP-Language-C-028
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.17.02 – 49.17.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.25. Support for Inline Script Execution

Test Case ID	ESMP-1.0-conf-28
Test Object	Client device
Test Case Description	To test the support for Inline Script Execution.
Specification Reference	[ESMP] Section 7.2.2.1.
SCR Reference	ESMP-Language-C-029
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.19.02 – 49.19.04, 49.19.07 – 49.19.10
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.26. Support for Deferred Script Execution

Test Case ID	ESMP-1.0-conf-29
Test Object	Client device
Test Case Description	To test the support for Deferred Script Execution.
Specification Reference	[ESMP] Section 7.2.2.2.
SCR Reference	ESMP-Language-C-030
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.19.11
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.27. Support for File Based Script Execution

Test Case ID	ESMP-1.0-conf-30
Test Object	Client device
Test Case Description	To test font the support for File Based Script Execution.
Specification Reference	[ESMP] Section 7.2.2.3.
SCR Reference	ESMP-Language-C-031
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.19.14 – 49.19.16
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.28. Abnormal termination error reporting

Test Case ID	ESMP-1.0-conf-31
Test Object	Client device
Test Case Description	To test the abnormal termination error reporting.
Specification Reference	[ESMP] Section 7.3.1.
SCR Reference	ESMP-Language-C-032
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.20.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.29. Support for Aborted Script completion

Test Case ID	ESMP-1.0-conf-32
Test Object	Client device
Test Case Description	To test the support for Aborted Script completion.
Specification Reference	[ESMP] Section 7.3.2.
SCR Reference	ESMP-Language-C-033
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.20.04 – 49.20.05
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.30. Support for XHTML Events

Test Case ID	ESMP-1.0-conf-33
Test Object	Client device
Test Case Description	To test the support for XHTML Events.
Specification Reference	[ESMP] Section 8.1.
SCR Reference	ESMP-Language-C-034
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.23.05
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.31. Support for DOM2 compliant event binding

Test Case ID	ESMP-1.0-conf-34
Test Object	Client device
Test Case Description	To test the support for DOM2 compliant event binding.
Specification Reference	[ESMP] Section 8.2.
SCR Reference	ESMP-Language-C-035
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.22.01 – 49.22.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.32. Host Object Support – parent global Object

Test Case ID	ESMP-1.0-conf-35
Test Object	Client device
Test Case Description	To test the Host Object Support – parent global Object.
Specification Reference	[ESMP] Section 9.1.
SCR Reference	ESMP-HostObject-C-036
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.25.02 – 49.25.05, 49.25.07 – 49.25.22
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.33. Host Object Support – navigator Object

Test Case ID	ESMP-1.0-conf-36
Test Object	Client device
Test Case Description	To test the Host Object Support – navigator Object.
Specification Reference	[ESMP] Section 9.2.
SCR Reference	ESMP-HostObject-C-037
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.26.02 – 49.26.08
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.34. Host Object Support – history Object

Test Case ID	ESMP-1.0-conf-37
Test Object	Client device
Test Case Description	To test the Host Object Support – history Object.
Specification Reference	[ESMP] Section 9.3.
SCR Reference	ESMP-HostObject-C-038
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.27.02 – 49.27.13
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.35. Host Object Support – location Object

Test Case ID	ESMP-1.0-conf-38
Test Object	Client device
Test Case Description	To test the Host Object Support – location Object.
Specification Reference	[ESMP] Section 9.4.
SCR Reference	ESMP-HostObject-C-039
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.28.02 – 49.28.29
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.36. Host Object Support – Basic document Object

Test Case ID	ESMP-1.0-conf-39
Test Object	Client device
Test Case Description	To test the Host Object Support – Basic document Object.
Specification Reference	[ESMP] Section 9.5.
SCR Reference	ESMP-HostObject-C-040
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.29.02 – 49.29.22
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.37. DOM Object Support – Exception Object

Test Case ID	ESMP-1.0-conf-41
Test Object	Client device
Test Case Description	To test the DOM Object Support – Exception Object.
Specification Reference	[ESMP] Section 11.1.
SCR Reference	ESMP-XMLDOMObject-C-042
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.41.01 – 49.41.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.38. DOM Object Support – Node Object – Property Support

Test Case ID	ESMP-1.0-conf-42
Test Object	Client device
Test Case Description	To test the DOM Object Support – Node Object – Property Support.
Specification Reference	[ESMP] Section 11.2.
SCR Reference	ESMP-XMLDOMObject-C-043
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.42.02 – 49.42.36
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.39. DOM Object Support – Node Object – Data Interrogation Methods

Test Case ID	ESMP-1.0-conf-43
Test Object	Client device
Test Case Description	To test the DOM Object Support – Node Object – Data Interrogation Methods.
Specification Reference	[ESMP] Section 11.2.
SCR Reference	ESMP-XMLDOMObject-C-044
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.42.39 – 49.42.41
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.40. DOM Object Support – Node Object – Structural Modification Mutation Methods

Test Case ID	ESMP-1.0-conf-45
Test Object	Client device
Test Case Description	To test the DOM Object Support – Node Object – Structural Modification Mutation Methods.
Specification Reference	[ESMP] Section 11.2
SCR Reference	ESMP-XMLDOMObject-C-046
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.42.42 – 49.42.76
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.41. DOM Object Support – document Object - Data Interrogation Methods

Test Case ID	ESMP-1.0-conf-46
Test Object	Client device
Test Case Description	To test the DOM Object Support – document Object - Data Interrogation Methods.
Specification Reference	[ESMP] Section 11.3.
SCR Reference	ESMP-XMLDOMObject-C-047
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.43.08 – 49.43.14
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.42. DOM Object Support – document Object – Structural Modification Mutation Methods

Test Case ID	ESMP-1.0-conf-47
Test Object	Client device
Test Case Description	To test the DOM Object Support – document Object – Structural Modification Mutation Methods.
Specification Reference	[ESMP] Section 11.3.
SCR Reference	ESMP-XMLDOMObject-C-048
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.43.02 – 49.43.07
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.43. DOM Object Support – NodeList Object

Test Case ID	ESMP-1.0-conf-48
Test Object	Client device
Test Case Description	To test the DOM Object Support – NodeList Object.
Specification Reference	[ESMP] Section 11.4.
SCR Reference	ESMP-XMLDOMObject-C-049
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.44.02 – 49.44.11
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.44. DOM Object Support – Element Object – Property Support

Test Case ID	ESMP-1.0-conf-49
Test Object	Client device
Test Case Description	To test the DOM Object Support – Element Object – Property Support.
Specification Reference	[ESMP] Section 11.5.
SCR Reference	ESMP-XMLDOMObject-C-050
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.45.02 – 49.45.05
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.45. DOM Object Support – Element Object – Data Interrogation Methods

Test Case ID	ESMP-1.0-conf-50
Test Object	Client device
Test Case Description	To test the DOM Object Support – Element Object – Data Interrogation Methods.
Specification Reference	[ESMP] Section 11.5.
SCR Reference	ESMP-XMLDOMObject-C-051
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.45.06 – 49.45.14, 49.45.31 – 49.45.36
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.46. DOM Object Support – Element Object – Data Modification Methods

Test Case ID	ESMP-1.0-conf-51
Test Object	Client device
Test Case Description	To test the DOM Object Support – Element Object – Data Modification Methods.
Specification Reference	[ESMP] Section 11.5.
SCR Reference	ESMP-XMLDOMObject-C-052
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.45.15 – 49.45.18, 49.45.22 – 49.45.29
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.47. DOM Object Support – Element Object – Structural Modification Mutation Methods

Test Case ID	ESMP-1.0-conf-52
Test Object	Client device
Test Case Description	To test the DOM Object Support – Element Object – Structural Modification Mutation Methods.
Specification Reference	[ESMP] Section 11.5.
SCR Reference	ESMP-XMLDOMObject-C-053
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.45.19 – 49.45.21
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.48. DOM Object Support – Text Object

Test Case ID	ESMP-1.0-conf-53
Test Object	Client device
Test Case Description	To test the DOM Object Support – Text Object.
Specification Reference	[ESMP] Section 11.5.
SCR Reference	ESMP-XMLDOMObject-C-054
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.46.02 – 49.46.24
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.49. XHTML DOM Support – XHTML Document Object

Test Case ID	ESMP-1.0-conf-55
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – XHTML Document Object.
Specification Reference	[ESMP] Section 19.
SCR Reference	ESMP-XHTMLDOMObject-C-056
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.30.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.50. XHTML DOM Support – Link Object

Test Case ID	ESMP-1.0-conf-56
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Link Object.
Specification Reference	[ESMP] Section 10.2.
SCR Reference	ESMP-XHTMLDOMObject-C-057
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: No TCs available
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.51. XHTML DOM Support – Image Object

Test Case ID	ESMP-1.0-conf-57
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Image Object.
Specification Reference	[ESMP] Section 10.3.
SCR Reference	ESMP-XHTMLDOMObject-C-058
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: No TCs available
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.52. XHTML DOM Support – Form Object

Test Case ID	ESMP-1.0-conf-58
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Form Object.
Specification Reference	[ESMP] Section 10.4.
SCR Reference	ESMP-XHTMLDOMObject-C-059
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.33.01 – 49.33.13
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.53. XHTML DOM Support – Text Input Object

Test Case ID	ESMP-1.0-conf-59
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Text Input Object.
Specification Reference	[ESMP] Section 10.5.
SCR Reference	ESMP-XHTMLDOMObject-C-060
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.34.01 – 49.34.09
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.54. XHTML DOM Support – Radio Input Object

Test Case ID	ESMP-1.0-conf-62
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Radio Input Object.
Specification Reference	[ESMP] Section 10.8.
SCR Reference	ESMP-XHTMLDOMObject-C-063
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.35.01 – 49.35.06
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.55. XHTML DOM Support – Checkbox Input Object

Test Case ID	ESMP-1.0-conf-63
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Checkbox Input Object.
Specification Reference	[ESMP] Section 10.9.
SCR Reference	ESMP-XHTMLDOMObject-C-064
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.36.01 – 49.36.06
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.56. XHTML DOM Support – Submit Object

Test Case ID	ESMP-1.0-conf-64
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Submit Object.
Specification Reference	[ESMP] Section 10.10.
SCR Reference	ESMP-XHTMLDOMObject-C-065
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.37.01 – 49.37.05
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.57. XHTML DOM Support – Reset Object

Test Case ID	ESMP-1.0-conf-65
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Reset Object.
Specification Reference	[ESMP] Section 10.11.
SCR Reference	ESMP-XHTMLDOMObject-C-066
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.37.06
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.58. XHTML DOM Support – Select Element Object

Test Case ID	ESMP-1.0-conf-66
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Select Element Object.
Specification Reference	[ESMP] Section 10.12.
SCR Reference	ESMP-XHTMLDOMObject-C-067
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.38.01 – 49.38.07
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.59. XHTML DOM Support – Option Element Object

Test Case ID	ESMP-1.0-conf-67
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Option Element Object.
Specification Reference	[ESMP] Section 10.12.
SCR Reference	ESMP-XHTMLDOMObject-C-068
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.39.08 – 49.39.12
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.1.60. XHTML DOM Support – Screen Object

Test Case ID	ESMP-1.0-conf-68
Test Object	Client device
Test Case Description	To test the XHTML DOM Support – Screen Object.
Specification Reference	[ESMP] Section 10.15.
SCR Reference	ESMP-XHTMLDOMObject-C-070
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: No TCs available
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

5.2. Proxy/Gateway/PEP

There are no Proxy dependencies as so there are no specific Proxy/Gateway conformance TCs

6. InterOperability Test Cases

6.1. User Agent

There are 12 TCs for interoperability for the User Agent that completely fulfil the test requirements as stated on the ETR. These tests represent a total of 131 TAs form [ESMPSuite]. To more easily find the TAs it is recommended to browse [ESMPSuite] searching for the Specification Reference.

6.1.1. Support for Inline Script Execution

Test Case ID	ESMP-1.0-int-c-1
Test Object	Client device and the gateway/proxy
Test Case Description	To test the support for Inline Script Execution.
Specification Reference	[ESMP] Section 7.2.2.1.
SCR Reference	ESMP-Language-C-029
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.19.02 – 49.19.04, 49.19.07 – 49.19.10
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.2. Support for Deferred Script Execution

Test Case ID	ESMP-1.0-int-c-2
Test Object	Client device and the gateway/proxy
Test Case Description	To test the support for Deferred Script Execution.
Specification Reference	[ESMP] Section 7.2.2.2.
SCR Reference	ESMP-Language-C-030
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.19.11
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.3. Support for File Based Script Execution

Test Case ID	ESMP-1.0-int-c-3
Test Object	Client device and the gateway/proxy
Test Case Description	To test font the support for File Based Script Execution.
Specification Reference	[ESMP] Section 7.2.2.3.
SCR Reference	ESMP-Language-C-031
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.19.14 – 49.19.16
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.4. Semicolon support at end of statements

Test Case ID	ESMP-1.0-int-c-4
Test Object	Client device and the gateway/proxy
Test Case Description	To test the semicolon support at end of statements t.
Specification Reference	[ESMP] Section 5.1.3.
SCR Reference	ESMP-Language-C-005
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.01.10
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.5. Support for EvalError Exception

Test Case ID	ESMP-1.0-int-c-5
Test Object	Client device and the gateway/proxy
Test Case Description	To test the support for EvalError exception.
Specification Reference	[ESMP] Section 5.5, 6.12.2.
SCR Reference	ESMP-Language-C-010
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.08.37
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.6. Native Object Support – String Object

Test Case ID	ESMP-1.0-int-c-6
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Native Object Support – String Object.
Specification Reference	[ESMP] Section 6.4.
SCR Reference	ESMP-Language-C-019
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.10.01 – 49.10.36, 49.11.53 – 49.10.62
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.7. Native Object Support – Error Object

Test Case ID	ESMP-1.0-int-c-7
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Native Object Support – Error Object.
Specification Reference	[ESMP] Section 6.11.
SCR Reference	ESMP-Language-C-025
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.16.02 – 49.16.07, 49.16.09 – 49.16.12
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.8. Support for DOM2 compliant event binding

Test Case ID	ESMP-1.0-int-c-8
Test Object	Client device and the gateway/proxy
Test Case Description	To test the support for DOM2 compliant event binding.
Specification Reference	[ESMP] Section 8.2.
SCR Reference	ESMP-Language-C-035
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.22.01 – 49.22.03
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.9. Host Object Support – parent global Object

Test Case ID	ESMP-1.0-int-c-9
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Host Object Support – parent global Object.
Specification Reference	[ESMP] Section 9.1.
SCR Reference	ESMP-HostObject-C-036
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.25.01 – 49.25.05, 49.25.07 – 49.25.22
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.10. Host Object Support – navigator Object

Test Case ID	ESMP-1.0-int-c-10
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Host Object Support – navigator Object.
Specification Reference	[ESMP] Section 9.2.
SCR Reference	ESMP-HostObject-C-037
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.26.02 – 49.26.08
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.11. Host Object Support – history Object

Test Case ID	ESMP-1.0-int-c-11
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Host Object Support – history Object.
Specification Reference	[ESMP] Section 9.3.
SCR Reference	ESMP-HostObject-C-038
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.27.02 – 49.27.16
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.1.12. Host Object Support – location Object

Test Case ID	ESMP-1.0-int-c-12
Test Object	Client device and the gateway/proxy
Test Case Description	To test the Host Object Support – location Object.
Specification Reference	[ESMP] Section 9.4.
SCR Reference	ESMP-HostObject-C-039
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.28.02 – 49.28.29
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.2. Proxy/Gateway/PEP

The only requirement to the Proxy/Gateway/PEP is to be transparent. To test the Interoperability of the gateway the following 4 TCs were selected has the minimum to validate the transparency of the referred element. A total of 48 TAs from [ESMPSuite] compose the testing.

6.2.1. UTF-16 Code point support

Test Case ID	ESMP-1.0-int-s-1
Test Object	Client device
Test Case Description	To test the UTF-16 Code point support.
Specification Reference	[ESMP] Section 5.1.1
SCR Reference	ESMP-LANGUAGE-C-002
Tool	[ESMPSuite]
Test Code	See test procedure in [ESMP Suite].
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.01.02
Pass-Criteria	The verification criteria in the test suite [ESMPSuite] are met.

6.2.2. UTF-8 Code point support

Test Case ID	ESMP-1.0-int-s-2
Test Object	Client device
Test Case Description	To test the UTF-8 Code point support.
Specification Reference	[ESMP] Section 5.1.1.
SCR Reference	ESMP-Language-C-003
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.01.01
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.2.3. Semicolon support at end of statements

Test Case ID	ESMP-1.0-int-s-3
Test Object	Client device
Test Case Description	To test the semicolon support at end of statements t.
Specification Reference	[ESMP] Section 5.1.3.
SCR Reference	ESMP-Language-C-005
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertion in the [ESMPSuite]: 49.01.10
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

6.2.4. ECMAScript Language Syntax and semantics

Test Case ID	ESMP-1.0-int-s-4
Test Object	Client device
Test Case Description	To test the ECMAScript Language Syntax and semantics.
Specification Reference	[ESMP] Section 5.5.
SCR Reference	ESMP-Language-C-008
Tool	[ESMPSuite]
Test Code	See test procedure.
Preconditions	Test environment is set up and Client devices are configured according to [BrowsingETP]
Test Procedure	Run the following assertions from the [ESMPSuite]: 49.05.01 – 49.07.45
Pass-Criteria	The verification criteria in the test suite [ESMP] are met.

7. SCR Mapping

Item	Description	ETS Reference	Mandatory /Optional	Number of Assertions
ESMP-Language-C-001	ECMAScript Type Support		M	-
ESMP-Language-C-002	UTF-16 Code point support	ESMP-1.0-con-2	M	1
ESMP-Language-C-003	UTF-8 Code point support	ESMP-1.0-con-3	M	1
ESMP-Language-C-004	Character indexing support		M	-
ESMP-Language-C-005	Semicolon support at end of statements	ESMP-1.0-con-5	M	1
ESMP-Language-C-006	IEEE 754 64 Bit Float Support with accuracy to at least 14 digits		M	-
ESMP-Language-C-008	ECMAScript Language Syntax and semantics	ESMP-1.0-con-7	M	45
ESMP-Language-C-009	Support for eval () [ECMA-327	ESMP-1.0-con-8	O	1
ESMP-Language-C-010	Support for EvalError Exception	ESMP-1.0-con-9	M	1
ESMP-Language-C-011	Support for dynamic function creation [ECMA-327	ESMP-1.0-con-10	O	2
ESMP-Language-C-012	Support for the with statement [ECMA-327	ESMP-1.0-con-11	O	1
ESMP-Language-C-013	Support for dynamic modification of built-in objects [ECMA-327	ESMP-1.0-con-12	O	1
ESMP-Language-C-014	Version properties for all native objects	ESMP-1.0-con-13	M	9
ESMP-Language-C-015	All non-native, built-in objects are enumerable	ESMP-1.0-con-14	M	11
ESMP-Language-C-016	All native, built-in objects are enumerable	ESMP-1.0-con-15	O	9
ESMP-Language-C-017	Native Object Support – Global Object	ESMP-1.0-con-16	M	37
ESMP-Language-C-018	Native Object Support – Array Object	ESMP-1.0-con-17	M	70
ESMP-Language-C-019	Native Object Support – String Object	ESMP-1.0-con-18	M	35
ESMP-Language-C-020	Native Object Support – Regular Expression Object	ESMP-1.0-con-19	M	41
ESMP-Language-C-021	Native Object Support – Boolean Object	ESMP-1.0-con-20	M	10
ESMP-Language-C-022	Native Object Support – Number Object	ESMP-1.0-con-21	M	48
ESMP-Language-C-023	Native Object Support – Math Object	ESMP-1.0-con-22	M	52

ESMP-Language-C-024	Native Object Support – Date Object	ESMP-1.0-con-23	M	96
ESMP-Language-C-025	Native Object Support – Error Object	ESMP-1.0-con-24	M	10
ESMP-Language-C-026	Native Object Support – Object Object Creation [ECMA-327	ESMP-1.0-con-25	O	1
ESMP-Language-C-027	Native Object Support – Function Object - dynamic function construction [ECMA-327	ESMP-1.0-con-26	O	1
ESMP-Language-C-028	Support for Native Error Types	ESMP-1.0-con-27	M	2
ESMP-Language-C-029	Support for Inline Script Execution	ESMP-1.0-con-28	M	7
ESMP-Language-C-030	Support for Deferred Script Execution	ESMP-1.0-con-29	M	1
ESMP-Language-C-031	Support for File Based Script Execution	ESMP-1.0-con-30	M	3
ESMP-Language-C-032	Abnormal termination error reporting	ESMP-1.0-con-31	O	1
ESMP-Language-C-033	Support for Aborted Script completion	ESMP-1.0-con-32	M	2
ESMP-Language-C-034	Support for XHTML Events	ESMP-1.0-con-33	M	1
ESMP-Language-C-035	Support for DOM2 compliant event binding	ESMP-1.0-con-34	M	3
ESMP-HostObject-C-036	Host Object Support – parent global Object	ESMP-1.0-con-35	M	20
ESMP-HostObject-C-037	Host Object Support – navigator Object	ESMP-1.0-con-36	M	7
ESMP-HostObject-C-038	Host Object Support – history Object	ESMP-1.0-con-37	M	15
ESMP-HostObject-C-039	Host Object Support – location Object	ESMP-1.0-con-38	M	28
ESMP-HostObject-C-040	Host Object Support – Basic document Object	ESMP-1.0-con-39	M	21
ESMP-XMLDOMObject-C-041	XML DOM Support (Support for XML DOM is optional. However, if it is implemented, all mandatory items MUST be implemented.)	ESMP-1.0-con-40	O	-
ESMP-XMLDOMObject-C-042	DOM Object Support – Exception Object	ESMP-1.0-con-41	M	16
ESMP-XMLDOMObject-C-043	DOM Object Support – Node Object – Property Support	ESMP-1.0-con-42	M	35
ESMP-XMLDOMObject-C-044	DOM Object Support – Node Object – Data Interrogation Methods	ESMP-1.0-con-43	M	3
ESMP-XMLDOMObject-C-045	DOM Object Support – Structural Mutation		O	-

ESMP-XMLDOMObject-C-046	DOM Object Support – Node Object – Structural Modification Mutation Methods	ESMP-1.0-con-45	M	35
ESMP-XMLDOMObject-C-047	DOM Object Support – document Object - Data Interrogation Methods	ESMP-1.0-con-46	M	7
ESMP-XMLDOMObject-C-048	DOM Object Support – document Object – Structural Modification Mutation Methods	ESMP-1.0-con-47	M	6
ESMP-XMLDOMObject-C-049	DOM Object Support – NodeList Object	ESMP-1.0-con-48	M	10
ESMP-XMLDOMObject-C-050	DOM Object Support – Element Object – Property Support	ESMP-1.0-con-49	M	4
ESMP-XMLDOMObject-C-051	DOM Object Support – Element Object – Data Interrogation Methods	ESMP-1.0-con-50	M	15
ESMP-XMLDOMObject-C-052	DOM Object Support – Element Object – Data Modification Methods	ESMP-1.0-con-51	M	13
ESMP-XMLDOMObject-C-053	DOM Object Support – Element Object – Structural Modification Mutation Methods	ESMP-1.0-con-52	M	3
ESMP-XMLDOMObject-C-054	DOM Object Support – Text Object	ESMP-1.0-con-53	M	23
ESMP-XHTMLDOMObject-C-055	XHTML DOM Support (Support for XHTML DOM is mandatory. All mandatory items MUST be implemented)		M	-
ESMP-XHTMLDOMObject-C-056	XHTML DOM Support – XHTML Document Object	ESMP-1.0-con-55	M	1
ESMP-XHTMLDOMObject-C-057	XHTML DOM Support – Link Object	ESMP-1.0-con-56	M	No available
ESMP-XHTMLDOMObject-C-058	XHTML DOM Support – Image Object	ESMP-1.0-con-57	O	No available
ESMP-XHTMLDOMObject-C-059	XHTML DOM Support – Form Object	ESMP-1.0-con-58	M	13
ESMP-XHTMLDOMObject-C-060	XHTML DOM Support – Text Input Object	ESMP-1.0-con-59	M	9
ESMP-XHTMLDOMObject-C-061	XHTML DOM Support – Textarea Input Object		M	-
ESMP-XHTMLDOMObject-C-062	XHTML DOM Support – Password Input Object		M	-

ESMP-XHTMLDOMObject-C-063	XHTML DOM Support – Radio Input Object	ESMP-1.0-con-62	M	6
ESMP-XHTMLDOMObject-C-064	XHTML DOM Support – Checkbox Input Object	ESMP-1.0-con-63	M	6
ESMP-XHTMLDOMObject-C-065	XHTML DOM Support – Submit Object	ESMP-1.0-con-64	M	5
ESMP-XHTMLDOMObject-C-066	XHTML DOM Support – Reset Object	ESMP-1.0-con-65	M	1
ESMP-XHTMLDOMObject-C-067	XHTML DOM Support – Select Element Object	ESMP-1.0-con-66	M	7
ESMP-XHTMLDOMObject-C-068	XHTML DOM Support – Option Element Object	ESMP-1.0-con-67	M	5
ESMP-XHTMLDOMObject-C-069	XHTML DOM Support – Button Object	-	-	Not supported in this release – place holder only
ESMP-XHTMLDOMObject-C-070	XHTML DOM Support – Screen Object	ESMP-1.0-con-68	O	No available

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-IOP-ESMP-ETS-v1_0	18 Nov 2004	Status changed to Approved OMA-TP-2004-0407-ESMP-1.0-ETS

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Candidate Version OMA-IOP-ESMP-ETS-v1_0	28 Sep 2006	5.1, 6.1, 6.2, 7	Incorporation of CRs: OMA-IOP-BRO-2006-0036 OMA-IOP-BRO-2006-0162
	24 Aug 2007	n/a	Clerical corrections no CR. IOP WG agreed and prepared for TP notification as TP # OMA-TP-2007-0356-INP_ETS_ESMP_V1_0_and_ETS_ESMP_Test_Code_V1_0_for_Approval