



## **Enabler Test Specification for XHTML 1.1**

Candidate Version 1.1, 16<sup>th</sup> Mar 2006

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Open Mobile Alliance  
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# 1. Scope

This document describes in detail available test cases for OMA XHTML-MP version 1.1.

## 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](http://www.ietf.org/rfc/rfc2119.txt)
- [xHTML\_Suite\_1] “Test Suites for xHTML”  
[http://member.openmobilealliance.org/ftp/iop/iop-Browsing/Info/Test-Suite-Downloads/xHTML\\_Test\\_Suite.zip](http://member.openmobilealliance.org/ftp/iop/iop-Browsing/Info/Test-Suite-Downloads/xHTML_Test_Suite.zip)
- [xHTML\_Suite\_2] “Test Suites for xHTML”  
<http://member.openmobilealliance.org/ftp/iop/iop-Browsing/Info/Test-Suite-Downloads/>
- [XHTMLMP] “XHTML Mobile Profile 1.1”. OMA-WAP-XHTMLMP-V1\_1-20020904-C  
<http://www.openmobilealliance.org/>
- [TestEnv] Browsing 2.2 Test Environment  
<http://www.openmobilealliance.org/>

### 2.2. Informative References

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## 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

None.

### 3.3. Abbreviations

ETR	Enabler Test Requirements
ETS	Enabler Test Specification
XHTML	Extensible HyperText Markup Language

## 4. Introduction

The purpose of this document is to provide test cases for OMA [XHTMLMP] Version 1.1.

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



## 5. Conformance Test Cases

There are 18 conformance test cases for XHTML-MP 1.1.

### 5.1. Structure Module

Test Case ID	xHTML-1.1-con-1
Test Object	Client device
Test Case Description	To test Structure Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-001
Tool	[xHTML_Suite_1] Section 4.3.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.03.01 – 45.03.10
Pass-Criteria	The verification criterias in the test suite are met.

## 5.2. Text Module

Test Case ID	xHTML-1.1-con-2
Test Object	Client device
Test Case Description	To test Text Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-002
Tool	[xHTML_Suite_1] Section 4.4.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.04.01 – 45.04.29
Pass-Criteria	The verification criterias in the test suite are met.

## 5.3. Hypertext Module

Test Case ID	xHTML-1.1-con-3
Test Object	Client device
Test Case Description	To test Hypertext Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-003
Tool	[xHTML_Suite_1] Section 4.5.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.05.01 – 45.05.11
Pass-Criteria	The verification criterias in the test suite are met.

## 5.4. List Module

Test Case ID	xHTML-1.1-con-4
Test Object	Client device
Test Case Description	To test List Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-004
Tool	[xHTML_Suite_1] Section 5.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.06.01 – 45.06.05
Pass-Criteria	The verification criterias in the test suite are met.

## 5.5. Basic Forms

Test Case ID	xHTML-1.1-con-5
Test Object	Client device
Test Case Description	To test Basic Forms.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-005
Tool	[xHTML_Suite_1] Section 4.7.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.07.01 – 45.07.40
Pass-Criteria	The verification criterias in the test suite are met.

## 5.6. Basic Tables

Test Case ID	xHTML-1.1-con-6
Test Object	Client device
Test Case Description	To test Basic Tables.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-006
Tool	[xHTML_Suite_1] Section 4.8.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.08.01 – 45.08.26
Pass-Criteria	The verification criterias in the test suite are met.

## 5.7. Image Module

Test Case ID	xHTML-1.1-con-7
Test Object	Client device
Test Case Description	To test Image Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-007
Tool	[xHTML_Suite_1] Section 4.3.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.09.01 – 45.09.10
Pass-Criteria	The verification criterias in the test suite are met.

## 5.8. Object Module

Test Case ID	xHTML-1.1-con-8
Test Object	Client device
Test Case Description	To test object Module. The Object Module is ignored, but objects with an image, which is possible to show, shall work as an image tag.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTMLMP- XHTMLMOD-C-008
Tool	[xHTML_Suite_2]
Test Code	See test procedure in t140.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Load t140.html [xHTML_Suite_2]:
Pass-Criteria	The verification criterias in the test suite are met.



## 5.9. Metainformation Module

Test Case ID	xHTML-1.1-con-9
Test Object	Client device
Test Case Description	The Metainformation Module is ignored. This test checks that the element is ignored in a correct way..
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTMLMP- XHTMLMOD-C-009
Tool	[xHTML_Suite_2]
Test Code	See test procedure in t063.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Load t063.html [xHTML_Suite_2]:
Pass-Criteria	The verification criterias in the test suite are met.

## 5.10. Link Module

Test Case ID	xHTML-1.1-con-10
Test Object	Client device
Test Case Description	To test Link Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-010
Tool	[xHTML_Suite_1] Section 4.10.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.10.01
Pass-Criteria	The verification criterias in the test suite are met.

## 5.11. Base Module

Test Case ID	xHTML-1.1-con-11
Test Object	Client device
Test Case Description	To test Base Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-011
Tool	[xHTML_Suite_1] Section 4.11.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.11.01 – 45.11.06
Pass-Criteria	The verification criterias in the test suite are met.

## 5.12. *fieldset* element

Test Case ID	xHTML-1.1-con-12
Test Object	Client device
Test Case Description	To test <i>fieldset</i> element in Forms module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-014
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.06
Pass-Criteria	The verification criterias in the test suite are met.

## 5.13. *optgroup* element

Test Case ID	xHTML-1.1-con-13
Test Object	Client device
Test Case Description	To test <i>optgroup</i> element in Forms module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-015
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.07
Pass-Criteria	The verification criterias in the test suite are met.

## 5.14. *start* attribute

Test Case ID	xHTML-1.1-con-14
Test Object	Client device
Test Case Description	To test <i>start</i> element on <i>ol</i> .
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-016
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.10
Pass-Criteria	The verification criterias in the test suite are met.

## 5.15. *value* attribute

Test Case ID	xHTML-1.1-con-15
Test Object	Client device
Test Case Description	To test <i>value</i> attribute on <i>li</i> .
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-014
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.09
Pass-Criteria	The verification criterias in the test suite are met.

## 5.16. *b* element

Test Case ID	xHTML-1.1-con-16
Test Object	Client device
Test Case Description	To test <i>b</i> element in Presentation module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-018
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.02
Pass-Criteria	The verification criterias in the test suite are met.



## 5.17. *big* element

Test Case ID	xHTML-1.1-con-17
Test Object	Client device
Test Case Description	To test <i>big</i> element in Presentation module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-019
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.04
Pass-Criteria	The verification criterias in the test suite are met.

## 5.18. *hr* element

Test Case ID	xHTML-1.1-con-18
Test Object	Client device
Test Case Description	To test <i>hr</i> element in Presentation module..
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-020
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.08
Pass-Criteria	The verification criterias in the test suite are met.

## 5.19. *i* element

Test Case ID	xHTML-1.1-con-19
Test Object	Client device
Test Case Description	To test <i>i</i> element in Presentation module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-021
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.03
Pass-Criteria	The verification criterias in the test suite are met.

## 5.20. *small* element

Test Case ID	xHTML-1.1-con-20
Test Object	Client device
Test Case Description	To test <i>small</i> element in Presentation module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-022
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.05
Pass-Criteria	The verification criterias in the test suite are met.

## 5.21. User Agent Conformance

### 5.21.1. Unrecognised elements

Test Case ID	xHTML-1.1-con-21
Test Object	Client device
Test Case Description	If a user agent encounters an element it does not recognize or one that is misplaced (according to the DTD), it must continue to process the children of that element. If the content is text, the text must be presented to the user. The test therefore tests that, an unrecognised element is ignored and all text content is rendered.
Specification Reference	[xHTML] Section 7.2.
SCR Reference	XHTLMP-XHTMLUA-C-001
Tool	[xHTML_Suite_2].
Test Code	See test procedure in t144.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Load t144.html [xHTML_Suite_2]:
Pass-Criteria	The verification criterias in the test suite are met.

### 5.21.2. Unrecognised attribute and default attribute value

Test Case ID	xHTML-1.1-con-22
Test Object	Client device
Test Case Description	If a user agent encounters an attribute it does not recognize, it must ignore the attribute and its value, but it must use the default attribute value as specified in the DTD. The test case there tests that, the unrecognised attribute is ignored but the default one should be used.
Specification Reference	[xHTML] Section 7.2.
SCR Reference	XHTLMP-XHTMLUA-C-001
Tool	[xHTML_Suite_2]
Test Code	See test procedure in t145.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]

---

Test Procedure	Load t145.html [xHTML_Suite_2]:
Pass-Criteria	The verification criterias in the test suite are met.

## 5.22. Events

No test cases identified as yet.

## 6. Interoperability Test Cases

### 6.1. Basic Form Module

#### 6.1.1. Input element text-attribute with checked attribute

Test Case ID	xHTML-1.1-int-1
Test Object	Client device
Test Case Description and purpose	To test basic form Module. Test input element with type set to text but with the illegal attribute checked set
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-005
Tool	[xHTML_Suite_2], [xHTML_Suite_1]
Test code/files	See test procedure. t148.html, get.asp
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	According to assertion 45.07.01 [xHTML_Suite_1]: Load TC 148.html.
Pass-Criteria	The verification criteria in the test suite are met.

#### 6.1.2. Optgroup Element

Test Case ID	xHTML-1.1-int-2
Test Object	Client device
Test Case Description	To test <i>optgroup</i> element in Forms module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-015
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.07



Pass-Criteria	The verification criterias in the test suite are met.
---------------	---

## 6.2. Basic Tables Module

### 6.2.1. Basic Tables

Test Case ID	xHTML-1.1-int-3
Test Object	Client device
Test Case Description	To test Basic Tables.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-006
Tool	[xHTML_Suite_1] Section 4.8.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.08.01 – 45.08.26
Pass-Criteria	The verification criterias in the test suite are met.

## 6.3. Presentation Element

### 6.3.1. hr Element

Test Case ID	xHTML-1.1-int-4
Test Object	Client device
Test Case Description	To test <i>hr</i> element in Presentation module..
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-020
Tool	[xHTML_Suite_1] Section 4.13.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertion in the [xHTML_Suite_1]: 45.13.08
Pass-Criteria	The verification criterias in the test suite are met.

## 6.4. Base Module

### 6.4.1. Base element

Test Case ID	xHTML-1.1-int-5
Test Object	Client device
Test Case Description and purpose	To test base Module. The base element specifies a base URL. The purpose is to check that this base URL is used in a correct way.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-011
Tool	[xHTML_Suite_2], [xHTML_Suite_1]
Test code/files	See test procedure. t065.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	According to assertion 45.11.01 – 45.11.06 in [xHTML_Suite_1]. Load file TC 065.html
Pass-Criteria	The verification criteria in the test suite are met.

### 6.4.2. Base Module with link to WML page

Test Case ID	xHTML-1.1-int-6
Test Object	Client device
Test Case Description and purpose	To test base Module. The base element specifies a base URL. The purpose is to check that this base URL is used in a correct way when linking to a WML page.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-011
Tool	[xHTML_Suite_2], [xHTML_Suite_1]
Test code/files	See test procedure. t066.html.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	According to assertion 45.11.01 – 45.11.06 [xHTML_Suite_1] Load TC 066.html
Pass-Criteria	The verification criteria in the test suite are met.

## 6.5. WML Interaction

### 6.5.1. Back

Test Case ID	xHTML-1.1-int-7
Test Object	Client device
Test Case Description and purpose	To test if the interaction between WML and XHTML is handled correctly.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTMLMP XHTMLMOD-C-010
Tool	[xHTML_Suite_2]
Test code/files	See test procedure. t103.html and t103.wml.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	According to assertion 45.10.01[xHTML_Suite_2] Load TC 103.html.
Pass-Criteria	The verification criteria in the test suite are met.

### 6.5.2. Links

Test Case ID	xHTML-1.1-int-8
Test Object	Client device
Test Case Description and purpose	To test if the interaction between WML and XHTML is handled correctly using links.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTMLMP XHTMLMOD-C-010
Tool	[xHTML_Suite_2]
Test code/files	See test procedure. t104.html and t104.wml.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	[xHTML_Suite_2] Load TC 104.html.
Pass-Criteria	The verification criteria in the test suite are met.

## 6.6. List Module

Test Case ID	xHTML-1.1-int-9
Test Object	Client device
Test Case Description	To test List Module.
Specification Reference	[xHTML] Section 5.
SCR Reference	XHTLMP-XHTMLMOD-C-004
Tool	[xHTML_Suite_1] Section 5.
Test Code	See test procedure.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	Run the following assertions in the [xHTML_Suite_1]: 45.06.01 – 45.06.05
Pass-Criteria	The verification criterias in the test suite are met.

## 6.7. Error Conditions

### 6.7.1. None terminated tags

Test Case ID	xHTML-1.1-int-10
Test Object	Client device
Test Case Description and purpose	To test that none terminated tags generate error messages
Specification Reference	[xHTML] Section 7.2.
SCR Reference	XHTMLMP-DOC-C-001
Tool	[xHTML_Suite_2]
Test code/files	Load t150.html and all files linked to from the index.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	[xHTML_Suite_2] Load TC 150.html.
Pass-Criteria	The verification criteria in the test suite are met. Error message will be displayed

### 6.7.2. Tags terminated in wrong order

Test Case ID	xHTML-1.1-int-11
Test Object	Client device
Test Case Description and purpose	To test that tags terminated in wrong order generate error messages
Specification Reference	[xHTML] Section 7.2.
SCR Reference	XHTMLMP-DOC-C-001
Tool	[xHTML_Suite_2]
Test code/files	Load t151.html and all files linked to from the index.
Preconditions	Test environment is set up and Client device configured according to [TestEnv]
Test Procedure	[xHTML_Suite_2] Load TC 151.html.

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Pass-Criteria	The verification criteria in the test suite are met. Error message will be displayed
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## Appendix A. Change History (Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-ETS-XHTML-V1_1	18 Nov 2004	First approved version

### A.2 Draft/Candidate Version History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ETS-xHTML-V1_1	30 Mar 2004		Initial draft.
Draft OMA-ETS-xHTML-V1_1	29 Sept 2004		Final Draft
Candidate OMA-ETS-XHTML-V1_1	16 Mar 2006	5.2, 5.7	Incorporation of OMA-IOP-BRO-2006-0035R01