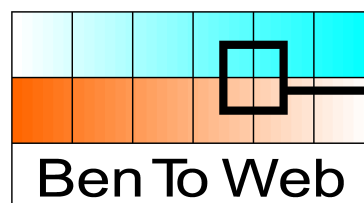


**Benchmarking Tools and
Methods for the Web
(FP6—004275)**



Sixth Framework Programme
Information Society Technologies Priority

D4.4 XHTML 1.0 and CSS 2.0 Test Suite - 3rd update

Contractual Date of Delivery to the EC:	30 September 2007 + 45 days
Actual Date of Delivery to the EC:	29 November 2007
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Workpackage:	4
Security:	Public
Nature:	Report
Version:	B
Total number of pages:	6

Keywords: test suite, accessibility, Web Content Accessibility Guidelines (WCAG), HTML, XHTML, CSS, Web Accessibility Initiative (WAI), World Wide Web Consortium (W3C), Working Draft.

DOCUMENT HISTORY			
Version	Version date	Responsible	Description
A	31 August 2007	KULRD	First draft
B	15 November 2007	KULRD	Final version

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1 Executive Summary

This report complements the 3rd version of the XHTML 1.0 + CSS 2.0 test suite, which is a publicly available deliverable. The test suite consists of more than 580 test cases for the 17 May 2007 Working Draft of WCAG 2.0.¹ Each test case consists of one or more XHTML files and accompanying metadata. The test cases map directly to WCAG 2.0 success criteria instead of tests that sit between the test files and the success criteria.

¹ <http://www.w3.org/TR/2007/WD-WCAG20-20070517/>

2 The XHTML + CSS Test Suite

2.1 General Description

BenToWeb's XHTML + CSS test suite is a suite of test files and accompanying metadata for the Web Content Accessibility Guidelines 2.0 (WCAG 2.0). The test suite contains over 580 test cases and over 700 test files. Each test case covers one success criterion, with at least one test that fails the success criterion and at least one that passes. Each metadata file also references the WCAG 2.0 technique or failure it illustrates, if a relevant technique or failure exists². The test files use XHTML 1.0; CSS 2.0 is also used where this is relevant to the success criterion.

The test cases map to the 17 May 2007 Working Draft of WCAG 2.0. This working draft followed the 27 April 2006 Working Draft, which was a Last Call Working Draft but was changed so substantially that a new public working draft needed to be published.

2.2 Remapping of Test Cases to the Last Call Working Draft

The first version of the test suite was based on the 30 June 2005 working draft of WCAG 2.0. After the publication of the Last Call Working Draft of WCAG 2.0, the test cases were remapped to that draft, and new test cases were added. After the publication of the 17 May 2007 working draft, the test cases were remapped again. The Last Call Working Draft contained 56 success criteria; in spite of the changes in the new draft, the number of success criteria did not change. The remapping of test cases took one of the following forms:

1. if several success criteria were folded into a single success criterion (this happened with GL 1.1 L1 SC 1-5 in the June 2005 draft, but not with the April 2006 draft), the test cases were renamed to match the single resulting success criterion;
2. if a success criterion was split into several success criteria (this happened with GL 2.4 L2 SC 3 in the June 2005 draft, but not with the April 2006 draft), the test cases were divided over the resulting success criteria depending on the purpose of the test cases;

² <http://www.w3.org/TR/2007/WD-WCAG20-TECHS-20070517/>

3. if a success criterion was removed (SC 4.2.1 and SC 4.2.2 were replaced by conformance criteria), the corresponding test cases were deleted (unless they could be remapped to another relevant success criterion);
4. if a success criterion was reworded or changed (including a level change), the test cases were renamed to match resulting success criterion;
5. if a success criterion was added, it initially had no test cases.

This remapping reduced the number of test cases from 602 (the number in the second test suite) to 480. The references to the 26 April 2006 working draft were not lost but marked as “secondary rules” in the new version; each test case in the 3rd test suite also has a link back to its counterpart in the second test suite. The second version of the test suite is still available.

2.3 Reviewing, Adding and Removing Test Cases

After the remapping, test cases were reviewed to see if they were still relevant, if the expected evaluation result was still correct and if the formulation of description, purpose and other metadata still matched the success criterion. Each test case also contains a reference to the WCAG 2.0 technique or failure it illustrates; if there is no matching technique or failure, this is explicitly stated in the metadata.

New test cases were added for the success criteria that were added in the latest Working Draft.

This process increased the number of test cases to over 580.

The updated BenToWeb XHTML 1 + CSS 2 test suite is publicly available at http://www.bentoweb.org/XHTML1_TestSuite3.