

OPENTEXT

The Power of Information



Web Compliance Manager

WCAG 2.0 Accessibility Prüfung mit OT Web Site Management

27 Januar 2015

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WCAG 2.0 Accessibility Prüfung mit OT Web Site Management

Barrierefreie Webseiten bieten allen Nutzern den Zugang zur selben Informationen. Mit WCAG 2.0, Web Accessibility Guidelines 2.0, hat das W3C inklusive Praktiken für Webseiten festgelegt.

Die kommende Version des OpenText Web Compliance Managers unterstützt die Prüfung dieser Praktiken noch vor der Veröffentlichung dieser und hilft so barrierefreie Webseiten zu erstellen. Dieser Vortrag stellt allgemeine Praktiken für die Barrierefreiheit vor und zeigt ihnen, wie die Prüfung auf WCAG 2.0 in bestehenden Projekten genutzt werden kann.

Frank Steffen, OpenText

Agenda

- Einleitung
- Regelungen
- WCAG 2.0 (Engl.)
- Web Compliance Manager

“ When your website is accessible,
more people
can use it effectively
in more situations. ”

Shawn Henry, W3C Web Accessibility Initiative (WAI)



Kategorien von Einschränkungen

- **Optik:** Blindheit, Sehschwäche, Farbenblindheit
- **Gehör:** Taubheit und Schwerhörige
- **Motorik:** langsame Reaktionszeit, beschränkte Feinmotorik (Maus)
- **Kognitiv:** Lernstörungen, Ablenkbarkeit, Unfähigkeit sich zu erinnern oder zu konzentrieren

Schau'n wir mal ...

Business Case für Zugänglichkeit

- **Soziale Faktoren:** Gleiche Möglichkeiten für Alle
 - Mobile Nutzung, ältere Leute, in Gegenden mit Geringer Internet Bandbreite, ...
- **Technische Faktoren:** Der W3C Standard
 - Bessere Interoperabilität und Qualität
 - Reduzierte Last
- **Finanzielle Faktoren:** Höhere Umsätze durch mehr Webseitennutzung
 - Suchmaschine bevorzugen zugängliche Sites
- **Gesetzliche Faktoren:**
 - Anforderungen zur Web Accessibility in Form von Regelungen und Gesetzen

Positive Seiteneffekte

Zugängliche Web Sites:

- Entsprechen den Web Standards!
 - Benötigen weniger Internet Ressourcen
 - Leichter wartbar
- Sind/werden Gesetz – in fast allen Ländern
- Gut für eine alternde Gesellschaft
- Suchmaschinen lieben es

Regelungen

Regelungen

- UN: United Nations Convention on the Rights of Persons with Disabilities (UNCRPD)
<http://www.un.org/disabilities/default.asp?id=150>
- EU: European Commission's proposal of 3 December 2012 for a Directive on the accessibility of the public sector bodies' websites.
 - Target: Action 64: Ensure the accessibility of public sector websites : Aim to make sure that **public sector websites** (and websites providing basic services to citizens) are **fully accessible** by 2015.
- DE: Barrierefreie-Informationstechnik-Verordnung - BITV2.0,
http://www.gesetze-im-internet.de/bitv_2_0/BJNR184300011.html

WCAG 2.0 vs. BITV 2.0

WCAG 2.0 prioritizes based on time, money, audience, importance

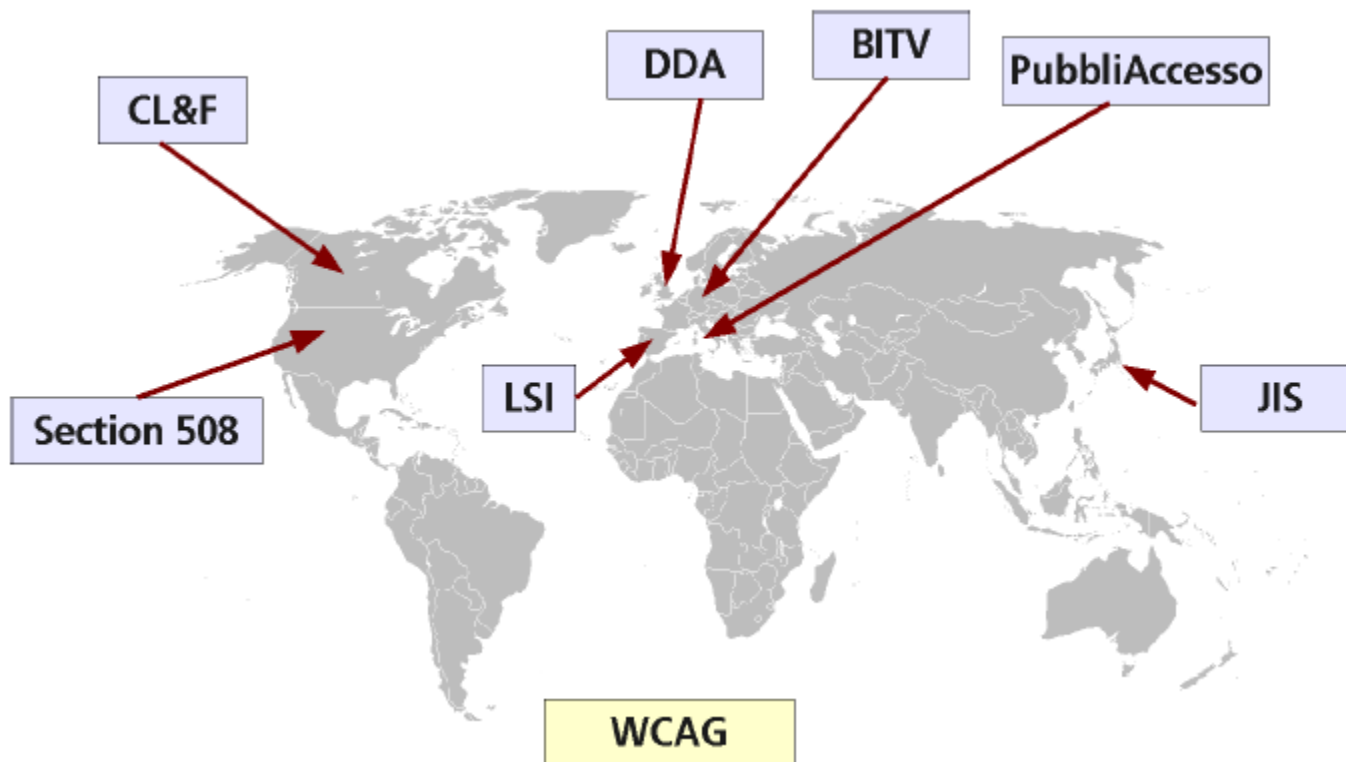
- Priority 1 = Level A
required, you must do it
- Priority 2 = Level AA
preferred, it would be great if you did it
- Priority 3 = Level AAA
optional, it would be nice to have

WCAG 2.0 and BITV 2.0

- WCAG 2.0 harmonizes with BITV 2.0
- WCAG 2.0 Level AAA is compliant with BITV 2.0 Appendix 2, required for entry pages of federal agencies
- WCAG 2.0 Level AA is BITV 2.0 Appendix 1 compliant (exception AAA: Simple language)

WCAG 2.0 Level AA is a reasonable standard to strive for

Accessibility Standards - Worldwide



WCAG 2.0

WCAG 2.0 is approved as ISO standard: ISO/IEC 40500:2012

WCAG 2.0 - Principles

- Perceivable:

Available to the senses (vision and hearing primarily) either through the browser or through assistive technologies (e.g. screen readers, screen enlargers, etc.)

- Operable:

Users can interact with all controls and interactive elements using either the mouse, keyboard, or an assistive device.

- Understandable:

Content is clear and limits confusion and ambiguity.

- Robust:

A wide range of technologies (including old and new user agents and assistive technologies) can access the content.

WCAG 2.0 – Guidelines (1)

- Principle 1: Perceivable
 - Guideline 1.1. Text alternatives for any non-text content
 - Guideline 1.2. Alternative for time-based media (audio, video)
 - Guideline 1.3. Adaptable content without losing structure
 - Guideline 1.4. Distinguishable foreground and background
- Principle 2: Operable
 - Guideline 2.1. Keyboard accessible
 - Guideline 2.2. Enough time to read
 - Guideline 2.3. Design not causing seizures
 - Guideline 2.4. Help users navigate

WCAG 2.0 - Guidelines (2)

- Principle 3: Understandable
 - Guideline 3.1. Readable: make text content readable and understandable.
 - Guideline 3.2. Predictable: make web pages appear and operate in predictable ways.
 - Guideline 3.3. Input assistance: help users avoid and correct mistakes.
- Principle 4: Robust
 - Guideline 4.1. Compatible: maximize compatibility with current and future user agents, including assistive technologies.

Example: Text Alternatives (1)

- WCAG Guideline: 1.1
 - Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.
- Success Criteria: Non-text Content: 1.1.1
 - All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below. (Level A)
- Advisory Techniques for 1.1.1 - General Techniques for Informative Non-Text Content (Advisory)
 - Identifying informative non-text content
 - Keeping short descriptions short
 - Describing images that include text

Example: Text Alternatives (2)

- Failures for SC 1.1.1
 - F3: Failure of Success Criterion 1.1.1 due to using CSS to include images that convey important information
 - F13: Failure of Success Criterion 1.1.1 and 1.4.1 due to having a text alternative that does not include information that is conveyed by color differences in the image
 - F20: Failure of Success Criterion 1.1.1 and 4.1.2 due to not updating text alternatives when changes to non-text content occur
 - F30: Failure of Success Criterion 1.1.1 and 1.2.1 due to using text alternatives that are not alternatives (e.g., filenames or placeholder text)
 - ...

Web Compliance Manager

Demo

Web Compliance Manager (1)

Preview Source code Project Variant HTML for local file system publication

Xample Project 11.2

Web Site Management

Concepts

Integrations

About Us

Language: English

Xample Project

OpenText Web Site Management product with its two server applications Management Server and Delivery Server provides this sample project for demonstration purposes.

The functionalities implemented in this project were implemented with the intention of serving as orientation for other projects. In this way, we want to provide you with solutions, concepts, and configurations for recurring specifications that strive to be a "best practice" in the scope of this project.



However, it should also be taken into account that every project has its own individual requirements that need their own approaches that may

Accessibility Validation

Filter Page Template

The page does fulfill the configured requirements, WCAG 2.0 AA.

230 of 385 results

Failure	Result	Message	Location
F69	 Warning	An element was detected that uses the 'overflow'-attribute with value 'hidden'. Check whether the visually rendered text can be resized to 200 % without causing the text, images or controls to be clipped, truncated or obscured. If this is not the case, the information provided will not be accessible for users with visual limitations.	/HTML/BODY/A
F69	 Warning	An element was detected that uses the 'overflow'-attribute with value 'hidden'. Check whether the visually rendered text can be resized to 200 % without causing the text, images or controls to be clipped, truncated or obscured. If this is not the case, the information provided will not be accessible for users with visual limitations.	/HTML/BODY/HEADER/DIV/DIV/BUTTON[2]/...
		An element was detected that uses the 'overflow'-attribute with value 'hidden'. Check whether the visually rendered text can be resized to 200 % without causing the text, images or controls to be	

Web Compliance Manager (2)

Preview Source code Project Variant HTML for local file system publication

```
197 <!-- RedDot Start: Header -->
198 <!-- Page header section -->
199 <header class="navbar navbar-inverse navbar-fixed-top" role="banner">
200 <div class="container">
201 <div class="navbar-header">
202 <button class="btn btn-navbar navbar-toggle" type="button" data-toggle="collapse" data-target=".lang-navbar-collapse" style="height: 32px; width: 42px; t
203 <span>
205 <button class="btn btn-default navbar-toggle" type="button" data-toggle="collapse" data-target=".menu-navbar-collapse" style="background-color: #FCFCFC;
206 <span class="sr-only">Toggle navigation</span>
207 <span class="icon-bar" style="background-color: #676767;"></span>
208 <span class="icon-bar" style="background-color: #676767;"></span>
209 <span class="icon-bar" style="background-color: #676767;"></span>
210 </button>
211 <a class="navbar-brand hidden-sm hidden-xs" href="/WcmPreviewHandler.ashx?Action=Preview&Mode=0&LikeMode=0&projectguid=EF7ADE9702D24A479FA96
212 <a class="navbar-brand visible-sm visible-xs" href="/WcmPreviewHandler.ashx?Action=Preview&Mode=0&LikeMode=0&projectguid=EF7ADE9702D24A479FA
213 </div>
214 <!-- Main Navigation -->
215 <nav class="collapse navbar-collapse menu-navbar-collapse" role="navigation">
216
217
```

Accessibility Validation

Filter Page Template The page does fulfill the configured requirements, WCAG 2.0 AA. 230 of 385 results

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		An element was detected that uses the 'overflow'-attribute with value 'hidden'. Check whether the	

Thank You

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