



COMPLIANCE COMPONENT

DEFINITION	
<i>Name</i>	Validation
<i>Description</i>	Web page validation is used to assist with exposing and repairing accessibility problems. It ensures compliance with accessibility guidelines. Validation applies to all public (Internet and Extranet) and private (Intranet) browser-based web content or applications.
<i>Rationale</i>	Validation assists state agencies in adhering to Section 508 compliance, which is required by Section 191.863 RSMo.
<i>Benefits</i>	<p>Validation:</p> <ul style="list-style-type: none"> Ensures state agencies HTML, XHTML, hyperlinks, CSS, XML, MathML (a low-level specification for describing mathematics as a basis for machine to machine communication), Scalable Vector Graphics (SVG; a language for describing two-dimensional graphics and graphical applications in XML), Resource Description Framework (RDF; integrates a variety of applications from library catalogs and world-wide directories to syndication and aggregation of news, software, and content to personal collections of music, photos, and events using XML as an interchange syntax), P3P (addresses the twin goals of meeting the data privacy expectations of consumers on the Web while assuring that the medium remains available and productive for electronic commerce), and Web server logs meet accessibility standards Highlights major access issues and removes significant barriers improving access to Web documents
ASSOCIATED ARCHITECTURE LEVELS	
<i>Specify the Domain Name</i>	Interface
<i>Specify the Discipline Name</i>	Accessibility
<i>Specify the Technology Area Name</i>	
<i>Specify the Product Component Name</i>	
COMPLIANCE COMPONENT TYPE	
<i>Document the Compliance Component Type</i>	Standard
<i>Component Sub-type</i>	
COMPLIANCE DETAIL	
<i>State the Guideline, Standard or Legislation</i>	<p>Each priority level contains a list of checkpoints that has been assigned by the W3C Web Content Accessibility Guidelines Working Group and is based on the checkpoint's impact on accessibility. These checkpoints must be met through your Web site to satisfy the priority level.</p> <p>Compliance is achieved by satisfying the Priority level 1 checkpoints.</p> <p><u>Validation Priorities include:</u></p>

- Priority 1 - A Web content developer **must** satisfy this checkpoint. Otherwise, one or more groups will find it *impossible* to access information in the document. Satisfying this checkpoint is a basic requirement for some groups to be able to use Web documents.
- Priority 2 - A Web content developer **should** satisfy this checkpoint. Otherwise, one or more groups will find it *difficult* to access information in the document. Satisfying this checkpoint will remove significant barriers to accessing Web documents.
- Priority 3 - A Web content developer **may** address this checkpoint. Otherwise, one or more groups will find it *somewhat difficult* to access information in the document. Satisfying this checkpoint will improve access to Web documents.

The checkpoints that must be satisfied for each priority level were created and approved by the W3C. They can be found on W3C's Web site at <http://www.w3.org/TR/WAI-WEBCONTENT/checkpoint-list.html>

Section 508 requires state agencies to meet priority level 1. The MAEA Interface Domain recommends state agencies also meet priority level 2.

Validate accessibility with automatic tools and human review. Automated methods are generally rapid and convenient but cannot identify all accessibility issues. Begin using validation methods at the earliest stages of development. Accessibility issues identified early are easier to correct and avoid. Several methods of testing are recommended for validating your pages and are described below.

Automatic validators

A validator can verify the syntax of your pages (e.g., HTML, CSS, XML). Correct syntax will help eliminate a number of accessibility problems since software can process well-formed documents more easily.

Validators usually report what issues to solve and often give examples of how to solve them. They usually do not help an author walk through each problem or help the author modify the document interactively. Many times, human review is required to correct accessibility barriers.

User scenarios - Human Review

1. Test your pages with a text-only browser
2. Use multiple graphic browsers, with:
 - a. sounds and images loaded,
 - b. images not loaded,
 - c. sounds not loaded,
 - d. no mouse,
 - e. frames, scripts, style sheets, and applets not loaded
3. Use several browser versions and types, on various platforms.
4. Use other tools such as a self-voicing (e.g., text-to-speech), a screen reader, magnification software, a small display, an onscreen keyboard, an alternative keyboard, etc.

Spell and grammar checks

Grammar checkers will help to ensure that the textual content of your page is correct.

For further information regarding validation, visit <http://www.w3.org/TR/WCAG10-CORE-TECHS/#validation>

<i>Document Source Reference #</i>			
Compliance Sources			
<i>Name</i>	World Wide Web Consortium	<i>Website</i>	http://www.w3.org
<i>Contact Information</i>			
<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
KEYWORDS			
<i>List Keywords</i>	Validation, Federal Section 508, ADA, web accessibility, disability, Section 191.863 RSMo, validation tools, W3C, Priority		
COMPONENT CLASSIFICATION			
<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i>	<input checked="" type="checkbox"/> <i>Current</i>	<input type="checkbox"/> <i>Twilight</i> <input type="checkbox"/> <i>Sunset</i>
<i>Sunset Date</i>			
COMPONENT SUB-CLASSIFICATION			
Sub-Classification	Date	Additional Sub-Classification Information	
<input type="checkbox"/> <i>Technology Watch</i>			
<input type="checkbox"/> <i>Variance</i>			
<input type="checkbox"/> <i>Conditional Use</i>			
Rationale for Component Classification			
<i>Document the Rationale for Component Classification</i>			
Migration Strategy			
<i>Document the Migration Strategy</i>			
Impact Position Statement			
<i>Document the Position Statement on Impact</i>			
CURRENT STATUS			
<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i>	<input type="checkbox"/> <i>Under Review</i>	<input checked="" type="checkbox"/> <i>Approved</i> <input type="checkbox"/> <i>Rejected</i>
AUDIT TRAIL			
<i>Creation Date</i>	1/6/05	<i>Date Approved / Rejected</i>	04/12/2005
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>	10/24/2006	<i>Last Date Updated</i>	11/28/2006
<i>Reason for Update</i>			