

Web Content Accessibility Guidelines (WCAG) 2.0

Mapping of WCAG 2.0 Principles, Success Criteria to Conformance Levels to Security Issues*

* Eight security issued as defined in "Can an accessible web application be secure?Assessment issues for security testers, developers and auditors ", OWASP AppSec EU09, Poland

Date: 1 May 2009

By: Colin Watson – colin.watson(at)owasp.org

WCAG 2.0						Security Issues							
Principles	Guidelines	Success Criteria		Conformance	1	2	3	4	5	6	7	8	
1. Perceivable	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. http://www.w3.org/TR/WCAG20/#media-equiv	1.1.1 Non-text Content	http://www.w3.org/TR/UNDER	A	●	●		●					
		1.2.1 Audio-only and Video-only (Prerecorded)	http://www.w3.org/TR/UNDER	A	●	●	●						
		1.2.2 Captions (Prerecorded)	http://www.w3.org/TR/UNDER	A	●	●							
		1.2.3 Audio Description or Media Alternative (Prerecorded)	http://www.w3.org/TR/UNDER	A	●	●							
		1.2.4 Captions (Live)	http://www.w3.org/TR/UNDER	AA	●	●							
		1.2.5 Audio Description (Prerecorded)	http://www.w3.org/TR/UNDER	AA	●	●							
		1.2.6 Sign Language (Prerecorded)	http://www.w3.org/TR/UNDER	AAA	●	●							
		1.2.7 Extended Audio Description (Prerecorded)	http://www.w3.org/TR/UNDER	AAA	●	●							
		1.2.8 Media Alternative (Prerecorded)	http://www.w3.org/TR/UNDER	AAA	●	●							
	1.3 Create content that can be presented in different ways (for example simpler layout) without losing information or structure. http://www.w3.org/TR/WCAG20/#content-structure-separation	1.2.9 Audio-only (Live)	http://www.w3.org/TR/UNDER	AAA	●	●	●						
		1.3.1 Info and Relationships	http://www.w3.org/TR/UNDER	A	●								
		1.3.2 Meaningful Sequence	http://www.w3.org/TR/UNDER	A									
		1.3.3 Sensory Characteristics	http://www.w3.org/TR/UNDER	A	●								
		1.4.1 Use of Color	http://www.w3.org/TR/UNDER	A	●								
		1.4.2 Audio Control	http://www.w3.org/TR/UNDER	A									
		1.4.3 Contrast (Minimum)	http://www.w3.org/TR/UNDER	AA									
		1.4.4 Resize text	http://www.w3.org/TR/UNDER	AA						●			
		1.4.5 Images of Text	http://www.w3.org/TR/UNDER	AA									
2. Operable	2.1 Make all functionality available from a keyboard. http://www.w3.org/TR/WCAG20/#keyboard-operation	1.4.6 Contrast (Enhanced)	http://www.w3.org/TR/UNDER	AAA					●				
		1.4.7 Low or No Background Audio	http://www.w3.org/TR/UNDER	AAA									
		1.4.8 Visual Presentation	http://www.w3.org/TR/UNDER	AAA						●			
		1.4.9 Images of Text (No Exception)	http://www.w3.org/TR/UNDER	AAA									
		2.1.1 Keyboard	http://www.w3.org/TR/UNDER	A						●			
		2.1.2 No Keyboard Trap	http://www.w3.org/TR/UNDER	A						●			
		2.1.3 Keyboard (No Exception)	http://www.w3.org/TR/UNDER	AAA						●			
		2.2.1 Timing Adjustable	http://www.w3.org/TR/UNDER	A								●	
		2.2.2 Pause, Stop, Hide	http://www.w3.org/TR/UNDER	A				●	●				
	2.2 Provide users enough time to read and use content. http://www.w3.org/TR/WCAG20/#time-limits	2.2.3 No Timing	http://www.w3.org/TR/UNDER	AAA							●		
		2.2.4 Interruptions	http://www.w3.org/TR/UNDER	AAA						●			
		2.2.5 Re-authenticating	http://www.w3.org/TR/UNDER	AAA							●	●	
		2.3.1 Three Flashes or Below Threshold	http://www.w3.org/TR/UNDER	A									
		2.3.2 Three Flashes	http://www.w3.org/TR/UNDER	AAA									
		2.4.1 Bypass Blocks	http://www.w3.org/TR/UNDER	A	●					●			
		2.4.2 Page Titled	http://www.w3.org/TR/UNDER	A	●								
		2.4.3 Focus Order	http://www.w3.org/TR/UNDER	A	●					●			
		2.4.4 Link Purpose (In Context)	http://www.w3.org/TR/UNDER	A	●					●			
2.3 Do not design content in a way that is known to cause seizures. http://www.w3.org/TR/WCAG20/#seizure	2.4.5 Multiple Ways	http://www.w3.org/TR/UNDER	AA										
	2.4.6 Headings and Labels	http://www.w3.org/TR/UNDER	AA	●									
	2.4.7 Focus Visible	http://www.w3.org/TR/UNDER	AA						●				
	2.4.8 Location	http://www.w3.org/TR/UNDER	AAA										
	2.4.9 Link Purpose (Link Only)	http://www.w3.org/TR/UNDER	AAA	●					●				
	2.4.10 Section Headings	http://www.w3.org/TR/UNDER	AAA										
	3.1.1 Language of Page	http://www.w3.org/TR/UNDER	A										
	3.1.2 Language of Parts	http://www.w3.org/TR/UNDER	AA										
	3.1.3 Unusual Words	http://www.w3.org/TR/UNDER	AAA	●									
3. Understand	3.1 Make text content readable and understandable. http://www.w3.org/TR/WCAG20/#meaning	3.1.4 Abbreviations	http://www.w3.org/TR/UNDER	AAA	●								
		3.1.5 Reading Level	http://www.w3.org/TR/UNDER	AAA	●	●	●						
		3.1.6 Pronunciation	http://www.w3.org/TR/UNDER	AAA	●					●			
		3.2.1 On Focus	http://www.w3.org/TR/UNDER	A									
		3.2.2 On Input	http://www.w3.org/TR/UNDER	A									
		3.2.3 Consistent Navigation	http://www.w3.org/TR/UNDER	AA									
		3.2.4 Consistent Identification	http://www.w3.org/TR/UNDER	AA									
		3.2.5 Change on Request	http://www.w3.org/TR/UNDER	AAA									
		3.3.1 Error Identification	http://www.w3.org/TR/UNDER	A	●					●			
	3.2 Make Web pages appear and operate in predictable ways. http://www.w3.org/TR/WCAG20/#consistent-behavior	3.3.2 Labels or Instructions	http://www.w3.org/TR/UNDER	A	●								
		3.3.3 Error Suggestion	http://www.w3.org/TR/UNDER	AA	●					●			
		3.3.4 Error Prevention (Legal, Financial, Data)	http://www.w3.org/TR/UNDER	AA	●								
		3.3.5 Help	http://www.w3.org/TR/UNDER	AAA	●								
		3.3.6 Error Prevention (All)	http://www.w3.org/TR/UNDER	AAA	●								
		4.1.1 Parsing	http://www.w3.org/TR/UNDER	A									●
		4.1.2 Name, Role, Value	http://www.w3.org/TR/UNDER	A	●					●			●

4. Robust	4.1 Maximize compatibility with current and future user agents, including assistive technologies. http://www.w3.org/TR/WCAG20/#ensure-compat	4.1.1 Parsing	http://www.w3.org/TR/UNDER	A									
		4.1.2 Name, Role, Value	http://www.w3.org/TR/UNDER	A	●				●				