Table of Checkpoints for User Agent Accessibility Guidelines 1.0

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This document is also available in these non-normative formats: plain text, PostScript, Black/white PostScript, PDF.

Abstract

This document is an appendix to "User Agent Accessibility Guidelines 1.0" *[UAAG10]* . It provides a list of all checkpoints from the User Agent Accessibility Guidelines 1.0, organized by concept, as a checklist for user agent developers. Please refer to the Guidelines document for introductory information, information about related documents, a glossary of terms, and more.

This list may be used to review a tool or set of tools for accessibility. For each checkpoint, indicate whether the checkpoint has been satisfied, has not been satisfied, or is not applicable.

A list version of the checkpoints is also available.

Status of this document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. The latest status of this document series is maintained at the W3C.

This document is not an independent W3C Working Draft but rather an appendix to "User Agent Accessibility Guidelines 1.0" *[UAAG10]* . It is a draft document and may be updated, replaced or obsoleted by other documents at any time. It is inappropriate to use W3C Working Drafts as reference material or to cite them as other than "work in progress". This is work in progress and does not imply endorsement by, or the consensus of, W3C Members.

Please send comments about this document to the public mailing list w3c-wai-ua@w3.org; public archives are available.

This document has been produced as part of the Web Accessibility Initiative (WAI). WAI Accessibility Guidelines are produced as part of the WAI Technical Activity. The goal of the WAI User Agent Accessibility Guidelines Working Group is discussed in the Working Group charter.

A list of current W3C Recommendations and other technical documents can be found at the W3C Web site.

Priorities

Note: To reduce the length of this document, some normative information about checkpoints does not appear in the checklist below. Please refer to the Guidelines document for additional information on normative inclusions and exclusions, and for information about sufficient techniques.

Each checkpoint in this document is assigned a priority that indicates its importance for users with disabilities.

Priority 1 (P1)
: If the user agent does not satisfy this checkpoint, one or more groups of users with disabilities will find it impossible to access the Web. Satisfying this checkpoint is a basic requirement for enabling some people to access the Web.

Priority 2 (P2)
: If the user agent does not satisfy this checkpoint, one or more groups of users with disabilities will find it difficult to access the Web. Satisfying this checkpoint will remove significant barriers to Web access for some people.

Priority 3 (P3)
: If the user agent satisfies this checkpoint, one or more groups of users with disabilities will find it easier to access the Web.

Priority 1 checkpoints

Checkpoints	Provisions	Satisfied	Comments

1.1 Full keyboard access. (P1) • Conformance detail: For both content and user agent.	1. Ensure that the user can operate through keyboard input alone any user agent functionality available through the user interface.		
1.2 Activate event handlers. (P1) • Conformance profile labels: Events	1. Allow the user to activate, through keyboard input alone, all event handlers that are explicitly associated with the element designated by the content focus.		
	2. In order to satisfy provision one of this checkpoint, the user must be able to activate as a group all event handlers of the same input device event type.		
1.3 Provide text messages. (P1)	1. Ensure that every message (e.g., prompt, alert, notification, etc.) that is a non-text element and is part of the user agent user interface has a text equivalent.		
2.1 Render content according to specification. (P1)	1. Render content according to format specification (e.g., for a markup language or style sheet language).		
2.2 Provide text view. (P1)	1. For content authored in text formats, provide a view of the text source. For the purposes of this checkpoint, a text format is any media object given an Internet media type of "text" (e.g., "text/plain", "text/html", or "text/*") as defined in RFC 2046 *[RFC2046]* , section 4.1.		

<table>
<tr><td rowspan="2">2.3 Render conditional content. (P1)
Conformance detail: For all content.</td><td>1. Allow configuration to provide access to each piece of unrendered conditional content "C".</td><td></td><td></td></tr>
<tr><td>2. When a specification does not explain how to provide access to this content, do so as follows:
If C is a summary, title, alternative, description, or expansion of another piece of content D, provide access through at least one of the following mechanisms:
(1a) render C in place of D;
(2a) render C in addition to D;
(3a) provide access to C by allowing the user to query D. In this case, the user agent must also alert the user, on a per-element basis, to the existence of C (so that the user knows to query D);
(4a) allow the user to follow a link to C from the context of D.
Otherwise, provide access to C through at least one of the following mechanisms:
(1b) render a placeholder for C, and allow the user to view the original author-supplied content associated with each placeholder;
(2b) provide access to C by query (e.g., allow the user to query an element for its attributes). In this case, the user agent must also alert the user, on a per-element basis, to the existence of C;
(3b) allow the user to follow a link in context to C.</td><td></td><td></td></tr>
<tr><td>2.4 Allow time-independent interaction. (P1)</td><td>1. For rendered content where user input is only possible within a finite time interval controlled by the user agent, allow configuration to provide a view where user interaction is time-independent.</td><td></td><td></td></tr>
<tr><td>2.5 Make captions, transcripts, audio descriptions available. (P1)
Conformance detail: For all content.</td><td>1. Allow configuration or control to render text transcripts, collated text transcripts, captions, and audio descriptions in content at the same time as the associated audio tracks and visual tracks.</td><td></td><td></td></tr>
</table>

2.6 Respect synchronization cues. (P1) • Conformance profile labels: Video, Audio	1. Respect synchronization cues (e.g., in markup) during rendering.		
3.1 Toggle background images. (P1) • Conformance profile labels: Image	1. Allow configuration not to render background image content.		
3.2 Toggle audio, video, animated images. (P1) • Conformance profile labels: Animation, Video, Audio	1. Allow configuration not to render audio, video, or animated image content, except on explicit user request.		
3.3 Toggle animated or blinking text. (P1) • Conformance profile labels: VisualText	1. Allow configuration to render animated or blinking text content as motionless, unblinking text. Blinking text is text whose visual rendering alternates between visible and invisible, at any rate of change.		
3.4 Toggle scripts. (P1)	1. Allow configuration not to execute any executable content (e.g., scripts and applets).		
3.5 Toggle automatic content retrieval. (P1)	1. Allow configuration so that the user agent only retrieves content on explicit user request.		

<table>
<tr><td rowspan="3">4.1 Configure text scale. (P1)
Conformance profile labels: VisualText</td><td>1. Allow global configuration of the scale of visually rendered text content. Preserve distinctions in the size of rendered text as the user increases or decreases the scale.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, provide a configuration option to override rendered text sizes specified by the author or user agent defaults.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provision one of this checkpoint, offer a range of text sizes to the user that includes at least:
the range offered by the conventional utility available in the operating environment that allows users to choose the text size (e.g., the font size), or
if no such utility is available, the range of text sizes supported by the conventional APIs of the operating environment for drawing text.</td><td></td><td></td></tr>
<tr><td rowspan="3">4.2 Configure font family. (P1)
Conformance profile labels: VisualText</td><td>1. Allow global configuration of the font family of all visually rendered text content.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, provide a configuration option to override font families specified by the author or by user agent defaults.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provision one of this checkpoint, offer a range of font families to the user that includes at least:
the range offered by the conventional utility available in the operating environment that allows users to choose the font family, or
if no such utility is available, the range of font families supported by the conventional APIs of the operating environment for drawing text.</td><td></td><td></td></tr>
</table>

<table>
<tr><td rowspan="3">4.3 Configure text colors. (P1)
Conformance profile labels: VisualText</td><td>1. Allow global configuration of the foreground and background color of all visually rendered text content.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, provide a configuration option to override foreground and background colors specified by the author or user agent defaults.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provision one of this checkpoint, offer a range of colors to the user that includes at least:
the range offered by the conventional utility available in the operating environment that allows users to choose colors, or
if no such utility is available, the range of colors supported by the conventional APIs of the operating environment for specifying colors.</td><td></td><td></td></tr>
<tr><td rowspan="4">4.4 Slow multimedia. (P1)
Conformance profile labels: Animation, Audio</td><td>1. Allow the user to slow the presentation rate of rendered audio and animation content (including video and animated images).</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, for a visual track, provide at least one setting between 40% and 60% of the original speed.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provision one of this checkpoint, for a prerecorded audio track including audio-only presentations, provide at least one setting between 75% and 80% of the original speed.</td><td></td><td></td></tr>
<tr><td>4. When the user agent allows the user to slow the visual track of a synchronized multimedia presentation to between 100% and 80% of its original speed, synchronize the visual and audio tracks (per checkpoint 2.6). Below 80%, the user agent is not required to render the audio track.</td><td></td><td></td></tr>
</table>

4.5 Start, stop, pause, and navigate multimedia. (P1) • Conformance profile labels: Animation, Audio	1. Allow the user to stop, pause, and resume rendered audio and animation content (including video and animated images) that last three or more seconds at their default playback rate.		
	2. Allow the user to navigate efficiently within audio and animations (including video and animated images) that last three or more seconds at their default playback rate.		
4.6 Do not obscure captions. (P1)	1. For graphical viewports, allow configuration so that captions synchronized with a visual track in content are not obscured by it.		
4.7 Global volume control. (P1) • Conformance detail: For both content and user agent.	1. Allow global configuration of the volume of all rendered audio, with an option to override audio volumes specified by the author or user agent defaults.		
	2. As part of satisfying provision one of this checkpoint, allow the user to choose zero volume (i.e., silent).		
4.8 Independent volume control. (P1) • Conformance profile labels: Audio	1. Allow independent control of the volumes of rendered audio content synchronized to play simultaneously.		
4.9 Configure synthesized speech rate. (P1) • Conformance profile labels: Speech	1. Allow configuration of the synthesized speech rate, according to the full range offered by the speech synthesizer.		
4.10 Configure synthesized speech volume. (P1) • Conformance profile labels: Speech	1. Allow control of the synthesized speech volume, independent of other sources of audio.		
4.11 Configure synthesized speech characteristics. (P1) • Conformance profile labels: Speech	1. Allow configuration of synthesized speech characteristics according to the full range of values offered by the speech synthesizer.		

4.14 Choose style sheets. (P1)	1. Allow the user to choose from and apply alternative author style sheets (such as linked style sheets).		
	2. Allow the user to choose from and apply at least one user style sheet.		
	3. Allow the user to turn off (i.e., ignore) author and user style sheets.		
6.1 Programmatic access to HTML/XML infoset. (P1)	1. Provide programmatic read access to XML content by making available **all** of the information items defined by the W3C XML Infoset *[INFOSET]* .		
	2. Provide programmatic read access to HTML content by making available all of the following information items defined by the W3C XML Infoset *[INFOSET]* : • Document Information item: children, document element, base URI, charset • Element Information items: element-type name, children, attributes, parent • Attribute Information items: attribute-type name, normalized value, specified, attribute type, references, owner element • Character Information items: character code, parent element • Comment Information items: content, parent		
	3. If the user can modify HTML and XML content ("write access") through the user interface (e.g., through form controls), allow for the same modifications programmatically.		

<table>
<tr><td rowspan="2">6.2 DOM access to HTML/XML content. (P1)</td><td>1. Provide access to the content required in checkpoint 6.1 by conforming to the following modules of the W3C Document Object Model DOM Level 2 Core Specification [DOM2CORE] and exporting bindings for the interfaces they define:
for HTML: the Core module.
for XML: the Core and XML modules.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint,
Export the normative bindings specified in the DOM Level 2 Core Specification [DOM2CORE] (namely, for Java [JAVA] and ECMAScript [ECMASCRIPT] operating environments).
For other environments, the bindings exported to satisfy provision one of this checkpoint (e.g., C++ bindings) must be publicly documented.</td><td></td><td></td></tr>
<tr><td rowspan="2">6.3 Programmatic access to non-HTML/XML content. (P1)</td><td>1. For content other than HTML and XML, provide structured programmatic read access to content, and write access to those parts of content that the user can modify through the user interface.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, implement at least one API according to this API cascade:
The API is defined by a W3C Recommendation, or the API is publicly documented and designed to enable interoperability with assistive technologies.
If no such API is available, or if available APIs do not enable the user agent to satisfy the requirements,
implement at least one publicly documented API to satisfy the requirements, and
follow operating environment conventions for the use of input and output APIs.</td><td></td><td></td></tr>
</table>

<table>
<tr><td rowspan="3">6.4 Programmatic access to information about rendered content. (P1)</td><td>1. For graphical user agents, make available bounding dimensions and coordinates of rendered graphical objects. Coordinates must be relative to the point of origin in the graphical environment (e.g., with respect to the desktop), not the viewport.</td><td></td><td></td></tr>
<tr><td>2. For graphical user agents, provide access to the following information about each piece of rendered text: font family, font size, and foreground and background colors.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provisions one and two of this checkpoint, implement at least one API according to the API cascade described in provision two of checkpoint 6.3.</td><td></td><td></td></tr>
<tr><td rowspan="3">6.5 Programmatic operation of user agent user interface. (P1)
Conformance detail: For user agent features.</td><td>1. Provide programmatic read access to user agent user interface controls, selection, content focus, and user interface focus.</td><td></td><td></td></tr>
<tr><td>2. Provide programmatic write access for those user agent user interface controls that the user can modify through the user interface.</td><td></td><td></td></tr>
<tr><td>3. As part of satisfying provisions one and two of this checkpoint, implement at least one API according to the API cascade described in provision two of checkpoint 6.3.</td><td></td><td></td></tr>
<tr><td rowspan="2">6.6 Programmatic notification of changes. (P1)
Conformance detail: For both content and user agent.</td><td>1. Provide programmatic notification of changes to content, user agent user interface controls, selection, content focus, and user interface focus.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint, implement at least one API according to the API cascade of provision two of checkpoint 6.3.</td><td></td><td></td></tr>
<tr><td>6.7 Conventional keyboard APIs. (P1)</td><td>1. Implement APIs for the keyboard as follows:
Follow operating environment conventions.
If no conventions exist, implement publicly documented APIs.</td><td></td><td></td></tr>
<tr><td>6.8 API character encodings. (P1)
Conformance detail: For both content and user agent.</td><td>1. For an API implemented to satisfy requirements of this document, support the character encodings required for that API.</td><td></td><td></td></tr>
</table>

7.1 Respect focus and selection conventions. (P1) • Conformance profile labels: Selection	1. Follow operating environment conventions that benefit accessibility when implementing the selection, content focus, and user interface focus.		
7.2 Respect input configuration conventions. (P1) • Conformance detail: For user agent features. • Conformance profile labels: Selection	1. Ensure that default input configurations of the user agent do not interfere with operating environment accessibility conventions (e.g., for keyboard accessibility).		
8.1 Implement accessibility features. (P1) • Conformance detail: For all content. • Conformance profile labels: Selection	1. Implement the accessibility features of specifications (markup languages, style sheet languages, metadata languages, graphics formats, etc.).		
9.1 Provide content focus. (P1)	1. Provide at least one content focus for each viewport (including frames) where enabled elements are part of the rendered content.		
	2. Allow the user to make the content focus of each viewport the current focus.		
9.2 Provide user interface focus. (P1)	1. Provide a user interface focus.		
9.3 Move content focus. (P1)	1. Allow the user to move the content focus to any enabled element in the viewport.		
	2. Allow configuration so that the content focus of a viewport only changes on explicit user request.		
	3. If the author has not specified a navigation order, allow at least forward sequential navigation, in document order, to each element in the set established by provision one of this checkpoint.		

9.4 Restore viewport state history. (P1) • Conformance profile labels: Selection	1. For user agents that implement a viewport history mechanism, for each state in a viewport's browsing history, maintain information about the point of regard, content focus, and selection.		
	2. When the user returns to any state in the viewport history (e.g., via the "back button"), restore the saved values for the point of regard, content focus, and selection.		
10.1 Associate table cells and headers. (P1)	1. For graphical user agents that render tables, for each table cell, allow the user to view associated header information.		

<table>
<tr>
<td rowspan="4">10.2 Highlight selection, content focus, enabled elements, visited links. (P1)
Conformance profile labels: Selection</td>
<td>1. Allow global configuration to highlight the following four classes of information in each viewport: the selection, content focus, enabled elements, and recently visited links.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. For graphical user interfaces, as part of satisfying provision one of this checkpoint, allow at least one configuration where the highlight mechanisms for the four classes of information:
differ from each other, and
do not rely on rendered text foreground and background colors alone.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. For graphical user interfaces, as part of satisfying provision one of this checkpoint, if a highlight mechanism involves text size, font family, rendered text foreground and background colors, or text decorations, offer at least the following range of values:
for text size, the range required by provision three of checkpoint 4.1.
for font family, the range required by provision three of checkpoint 4.2.
for text foreground and background colors and decorations, the range offered by the conventional utility available in the operating environment for users to choose rendered text colors or decorations (e.g., the standard font and color dialog box resources supported by the operating system). If no such utility is available, the range supported by the conventional APIs of the operating environment for specifying text colors or drawing text.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Highlight enabled elements according to the granularity specified in the format. For example, an HTML user agent rendering a PNG image as part of a client-side image map is only required to highlight the image as a whole, not each enabled region. An SVG user agent rendering an SVG image with embedded graphical links is required to highlight each (enabled) link that may be rendered independently according to the SVG specification.</td>
<td></td>
<td></td>
</tr>
</table>

10.6 Highlight current viewport. (P1)	1. Highlight the viewport with the current focus (including any frame that takes current focus).		
	2. For graphical viewports, as part of satisfying provision one of this checkpoint, provide at least one highlight mechanism that does not rely on rendered text foreground and background colors alone (e.g., use a thick outline).		
	3. If the techniques used to satisfy provision one of this checkpoint involve rendered text size, font family, rendered text foreground and background colors, or text decorations, allow global configuration and offer same ranges of values required by provision three of checkpoint 10.2.		
11.1 Current user input configuration. (P1) • Conformance detail: For user agent features.	1. Provide information to the user about current user preferences for input configurations.		
12.1 Provide accessible documentation. (P1) • Conformance detail: For user agent features.	1. Ensure that at least one version of the user agent documentation conforms to at least level Double-A of the Web Content Accessibility Guidelines 1.0 *[WCAG10]* .		
12.2 Document accessibility features. (P1) • Conformance detail: For user agent features.	1. Document all user agent features that benefit accessibility.		
12.3 Document default bindings. (P1) • Conformance detail: For user agent features.	1. Document the default user agent input configuration (e.g., the default keyboard bindings).		

Priority 2 checkpoints

Checkpoints	Provisions	Satisfied	Comments

<table>
<tr><td>2.7 Repair missing content. (P2)
Conformance detail: For all content.</td><td>1. Allow configuration to generate repair text when the user agent recognizes that the author has failed to provide conditional content that was required by the format specification.</td><td></td><td></td></tr>
<tr><td>3.6 Toggle images. (P2)
Conformance profile labels: Image</td><td>1. Allow configuration not to render image content.</td><td></td><td></td></tr>
<tr><td rowspan="4">4.12 Specific synthesized speech characteristics. (P2)
Conformance profile labels: Speech</td><td>1. Allow configuration of synthesized speech pitch. Pitch refers to the average frequency of the speaking voice.</td><td></td><td></td></tr>
<tr><td>2. Allow configuration of synthesized speech pitch range. Pitch range specifies a variation in average frequency.</td><td></td><td></td></tr>
<tr><td>3. Allow configuration of synthesized speech stress. Stress refers to the height of "local peaks" in the intonation contour of the voice.</td><td></td><td></td></tr>
<tr><td>4. Allow configuration of synthesized speech richness. Richness refers to the richness or brightness of the voice.</td><td></td><td></td></tr>
<tr><td rowspan="4">4.13 Configure synthesized speech features. (P2)
Conformance profile labels: Speech</td><td>1. Provide support for user-defined extensions to the synthesized speech dictionary.</td><td></td><td></td></tr>
<tr><td>2. Provide support for spell-out: where text is spelled one character at a time, or according to language-dependent pronunciation rules.</td><td></td><td></td></tr>
<tr><td>3. Allow at least two configurations for speaking numerals: one where numerals are spoken as individual digits, and one where full numbers are spoken.</td><td></td><td></td></tr>
<tr><td>4. Allow at least two configurations for speaking punctuation: one where punctuation is spoken literally, and one where punctuation is rendered as natural pauses.</td><td></td><td></td></tr>
</table>

5.1 No automatic content focus change. (P2)	1. Allow configuration so that if a viewport opens without explicit user request, neither its content focus nor its user interface focus automatically becomes the current focus.		
5.2 Keep viewport on top. (P2)	1. For graphical user interfaces, allow configuration so that the viewport with the current focus remains "on top" of all other viewports with which it overlaps.		
5.3 Manual viewport open only. (P2)	1. Allow configuration so that viewports only open on explicit user request.		
	2. When configured per provision one of this checkpoint, instead of opening a viewport automatically, alert the user and allow the user to open it with an explicit request (e.g., by confirming a prompt or following a link generated by the user agent).		
	3. Allow the user to close viewports.		
5.4 Selection and focus in viewport. (P2) • Conformance profile labels: Selection	1. Ensure that when a viewport's selection or content focus changes, it is at least partially in the viewport after the change.		
5.5 Confirm form submission. (P2)	1. Allow configuration to prompt the user to confirm (or cancel) any form submission.		

<table>
<tr><td rowspan="2">6.9 DOM access to CSS style sheets. (P2)</td><td>1. For user agents that implement Cascading Style Sheets (CSS), provide programmatic access to style sheets by conforming to the CSS module of the W3C Document Object Model (DOM) Level 2 Style Specification [DOM2STYLE] and exporting bindings for the interfaces it defines.</td><td></td><td></td></tr>
<tr><td>2. As part of satisfying provision one of this checkpoint:
Export the normative bindings specified in the CSS module of the DOM) Level 2 Style Specification [DOM2STYLE] (namely, for Java [JAVA] and ECMAScript [ECMASCRIPT] operating environments).
For other environments, the bindings exported to satisfy provision one of this checkpoint must be publicly documented.</td><td></td><td></td></tr>
<tr><td>6.10 Timely exchanges through APIs. (P2)
Conformance detail: For both content and user agent.</td><td>1. For APIs implemented to satisfy the requirements of this document, ensure that programmatic exchanges proceed in a timely manner.</td><td></td><td></td></tr>
<tr><td>7.3 Respect operating environment conventions. (P2)
Conformance detail: For user agent features.</td><td>1. Follow operating environment conventions that benefit accessibility. In particular, follow conventions that benefit accessibility for user interface design, keyboard configuration, product installation, and documentation.</td><td></td><td></td></tr>
<tr><td>7.4 Provide input configuration indications. (P2)
Conformance detail: For user agent features.</td><td>1. Follow operating environment conventions to indicate the input configuration.</td><td></td><td></td></tr>
</table>

8.2 Conform to specifications. (P2) • Conformance detail: For all content.	1. Use and conform to either • W3C Recommendations when they are available and appropriate for a task, *or* • non-W3C specifications that enable the creation of content that conforms at level A or better to the Web Content Accessibility Guidelines 1.0 *[WCAG10]* .		
9.5 No events on focus change. (P2) • Conformance profile labels: Events	1. Allow configuration so that moving the content focus to or from an enabled element does not automatically activate any explicitly associated event handlers of any event type.		
9.6 Show event handlers. (P2) • Conformance profile labels: Events	1. For the element with content focus, make available the list of input device event types for which there are event handlers explicitly associated with the element.		
9.7 Move content focus in reverse. (P2)	1. Extend the functionality required in provision three of checkpoint 9.3 by allowing the same sequential navigation in reverse document order.		
	2. As part of satisfying provision one of this checkpoint, the user agent must not include disabled elements in the navigation order.		

9.8 Provide text search. (P2) • Conformance detail: For all rendered content.	1. Allow the user to search within rendered text content for a sequence of characters from the document character set.		
	2. Allow the user to start a forward search (in document order) from any selected or focused location in content.		
	3. When there is a match, do both of the following: • move the viewport so that the matched text content is within it, *and* • allow the user to search for the next instance of the text from the location of the match.		
	4. Alert the user when there is no match or after the last match in content (i.e., prior to starting the search over from the beginning of content).		
	5. Provide a case-insensitive search option for text in scripts (i.e., writing systems) where case is significant.		
9.9 Allow structured navigation. (P2)	1. Allow the user to navigate efficiently to and among important structural elements in rendered content.		
	2. As part of satisfying provision one of this checkpoint, allow forward and backward sequential navigation.		
10.3 Single highlight configuration. (P2) • Conformance profile labels: Selection	1. Extend the functionality required by provision two of checkpoint 10.2 by allowing configuration through a single setting.		
10.4 Provide outline view. (P2)	1. Make available to the user an "outline" view of rendered content, composed of labels for important structural elements (e.g., heading text, table titles, form titles, and other labels that are part of the content).		

11.2 Current author input configuration. (P2) • Conformance detail: For all content.	1. Provide a centralized view of the current author-specified input configuration.		
11.3 Allow override of bindings. (P2) • Conformance detail: For user agent features.	1. Allow the user to override any binding that is part of the user agent default input configuration.		
11.4 Single-key access. (P2) • Conformance detail: For user agent features.	1. Allow the user to override any binding in the user agent default keyboard configuration with a binding to either a key plus modifier keys or to a single key.		
	2. For each functionality in the set required by checkpoint 11.5, allow the user to configure a single-key binding. A single-key binding is one where a single key press performs the task, with zero modifier keys.		

<table>
<tr>
<td rowspan="2">11.5 Default input configuration. (P2)

• Conformance detail: For user agent features.</td>
<td>1. Ensure that the user agent default input configuration includes bindings for the following functionalities required by other checkpoints in this document:

• move content focus to the next enabled element in document order, and move content focus to the previous enabled element in document order (checkpoints 9.3 and 9.7);
• activate the link designed by the content focus (checkpoints 1.1 and 9.1);
• search for text, search again for same text (checkpoint 9.8);
• increase the scale of rendered text, and decrease the scale of rendered text (checkpoint 4.1);
• increase global volume, and decrease global volume (checkpoint 4.7);
• stop, pause, resume, and navigate efficiently selected audio and animations, including video and animated images (checkpoint 4.5).</td>
<td></td>
<td></td>
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<tr>
<td>2. If the user agent supports the following functionalities, the default input configuration must also include bindings for them:

• next history state (forward), and previous history state (back);
• enter URI for a new resource;
• add a URI to favorites (i.e., bookmarked resources);
• view favorites;
• reload a resource;
• interrupt a request to reload a resource;
• for graphical viewports: navigation forward and backward through rendered content by approximately the height of the viewport;
• for user agents that render content in lines of (at least) text: move point of regard to next line, and previous line.</td>
<td></td>
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</table>

11.6 User profiles. (P2) • Conformance detail: For user agent features.	1. For the configuration requirements of this document, allow the user to save user preferences in at least one user profile.		
	2. Allow the user to choose from among available user agent default profiles, profiles created by the same user, and no profile (i.e., the user agent default settings).		
12.4 Document changes between versions. (P2) • Conformance detail: For user agent features.	1. Document changes from the previous version of the user agent to features that benefit accessibility, including features of the user interface.		
12.5 Provide dedicated accessibility section. (P2) • Conformance detail: For user agent features.	1. Provide a centralized view of all features of the user agent that benefit accessibility, in a dedicated section of the documentation.		

Priority 3 checkpoints

Checkpoints	Provisions	Satisfied	Comments
2.8 No repair text. (P3) • Conformance detail: For all content.	1. Allow at least two configurations for when the user agent recognizes that conditional content required by the format specification is present but empty content: • generate no repair text, *or* • generate repair as described in checkpoint 2.7.		
2.9 Render conditional content automatically. (P3) • Conformance detail: For all content.	1. Allow configuration to render all conditional content automatically.		
	2. As part of satisfying provision one of this checkpoint, provide access according to specification, or where unspecified, by applying one of the techniques 1a, 2a, or 1b defined in checkpoint 2.3.		

2.10 Don’t render unsupported language. (P3)	1. Allow configuration not to render text in unsupported scripts (i.e., writing systems) when that text would otherwise be rendered.		
	2. When configured per provision one of this checkpoint, indicate to the user in context that author-supplied content has not been rendered.		
9.10 Configure important elements. (P3)	1. Allow configuration of the set of important elements and attributes identified for checkpoints 9.9 and 10.4.		
	2. As part of satisfying provision one of this checkpoint, allow the user to include and exclude element types in the set.		
10.5 Provide link information. (P3)	1. To help the user decide whether to traverse a link in content, make available the following information about it: • link element content, • link title, • whether the link is internal to the resource (e.g., the link is to a target in the same Web page), • whether the user has traversed the link recently, *and* • information about the type, size, and natural language of linked Web resources.		
10.7 Indicate viewport position. (P3)	1. Indicate the viewport’s position relative to rendered content (e.g., the proportion of an audio or video clip that has been played, the proportion of a Web page that has been viewed, etc.).		

11.7 Tool bar configuration. (P3) • Conformance detail: For user agent features.	1. For graphical user agent user interfaces with tool bars, allow the user to configure the position of user agent user interface controls on those tool bars.		
	2. Offer a predefined set of controls that may be added to or removed from tool bars.		
	3. Allow the user to restore the default tool bar configuration.		

References

For the latest version of any W3C specification please consult the list of W3C Technical Reports at http://www.w3.org/TR.

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"Document Object Model (DOM) Level 2 Style Specification", V. Apparao, P. Le Hégaret, C. Wilson, eds., 13 November 2000. This W3C Recommendation is http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/.

[ECMASCRIPT]
"ECMAScript Language Specification", European Computer Manufacturers Association, December 1999. This specification is available at http://www.ecma.ch/ecma1/STAND/ECMA-262.HTM.

[INFOSET]
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[JAVA]
"The Java Language Specification", Sun Microsystems Inc., J. Gosling, B. Joy, and G. Steele, September 1996. The specification is available at http://java.sun.com/docs/books/jls.

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"Web Content Accessibility Guidelines 1.0", W. Chisholm, G. Vanderheiden, and I. Jacobs, eds., 5 May 1999. This W3C Recommendation is http://www.w3.org/TR/1999/WAI-WEBCONTENT-19990505/.