



Mobile Accessibility in WCAG 2.1 and Beyond

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Mobile Landscape

Changed the way people are consuming information



In noisy, public spaces



Using one handed



Out in bright light



Using touch screens



Situations where we have busy eyes and hands



All ages are using mobile

W3C Mobile Accessibility Task Force

Task Force of the W3C AG Working Group

Exploring improvements for mobile space

- Analysis of user needs and existing resources
- Proposed new Success Criteria for WCAG 2.1
- Input for future work on WCAG 2.2(?), Silver, ...

Mobile Accessibility Policies

US Section 508: WCAG 2.0

Europe: EN 301 549 v2.1 (in development, currently WCAG 2.1 CR without “At Risk”)

Other local developments with risk of standards fragmentation

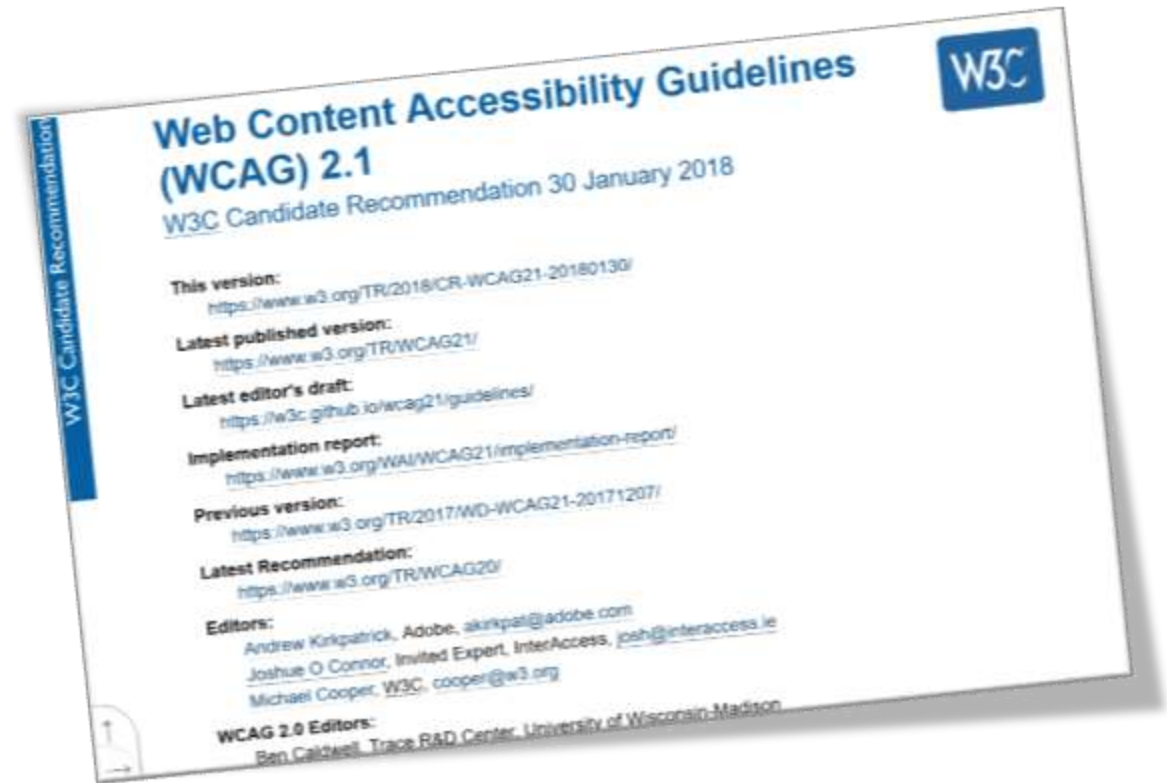
Mobile Accessibility in WCAG 2.1 CR

Candidate Recommendation
Draft from 30 January 2018:

- w3.org/TR/WCAG21

Comments until 30 March

Session on WCAG 2.1 tomorrow
at 8:00am in this same room



WCAG 2.1

All of WCAG 2.0

5 New SCs at Level A

7 New SCs at Level AA

5 New SCs at Level AAA

New Mobile Requirements in WCAG 2.1

Speech Input

- Character Key Shortcuts
- Label in Name

Pointer

- Pointer Gestures
- Pointer Cancellation
- Target Size

Input Methods

- Concurrent Input Mechanisms
- Motion Actuation

Device Settings

- Orientation

Status Changes

New in WCAG 2.1: Conformance Note

5.2.2 Full Pages:

Note 3

A full page includes each variation of the page that is automatically generated by the page for various screen sizes. Each of these variations needs to conform (or needs to have a conforming alternate version) in order for the entire page to conform.

New in WCAG 2.1: Pointer Gestures

2.5.1 Pointer Gestures

All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.

New in WCAG 2.1: Pointer Cancellation

2.5.2 Pointer Cancellation

For functionality that can be operated using a single pointer, at least one of the following is true:

- No Down Event: [...]
- Abort or Undo: [...]
- Up Reversal: [...]
- Essential: [...]

New in WCAG 2.1: Target Size

2.5.3 Target Size

The size of the target for pointer inputs is at least 44 by 44 CSS pixels except when:

- Equivalent - The target is available through an equivalent link or control on the same page that is at least 44 by 44 CSS pixels;
- Inline - The target is in a sentence or block of text;
- User Agent Control - The size of the target is determined by the user agent and is not modified by the author.
- Essential - A particular presentation of the target is essential to the information being conveyed

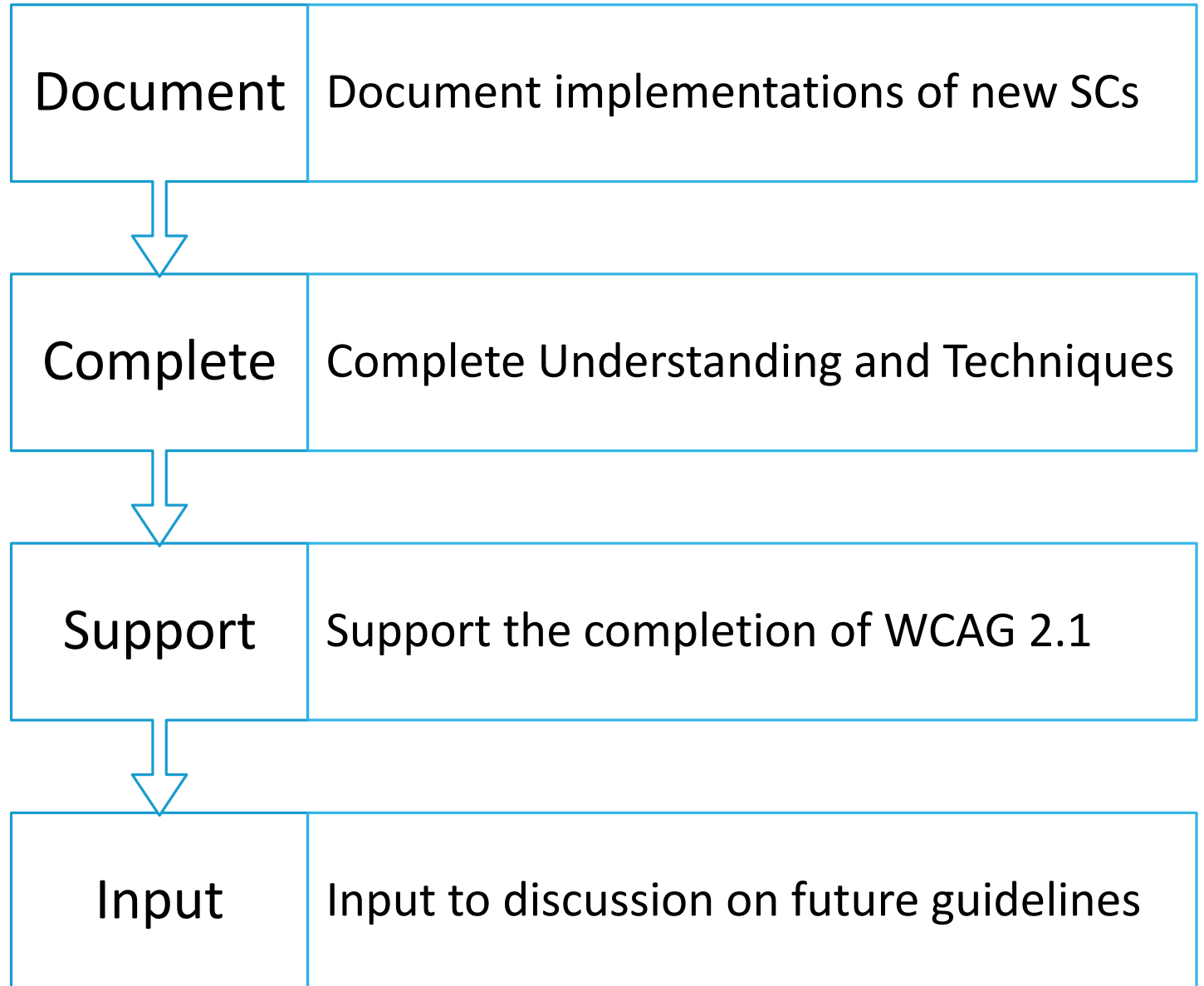
New in WCAG 2.1: Non-Text Contrast

1.4.11 Non-Text Contrast

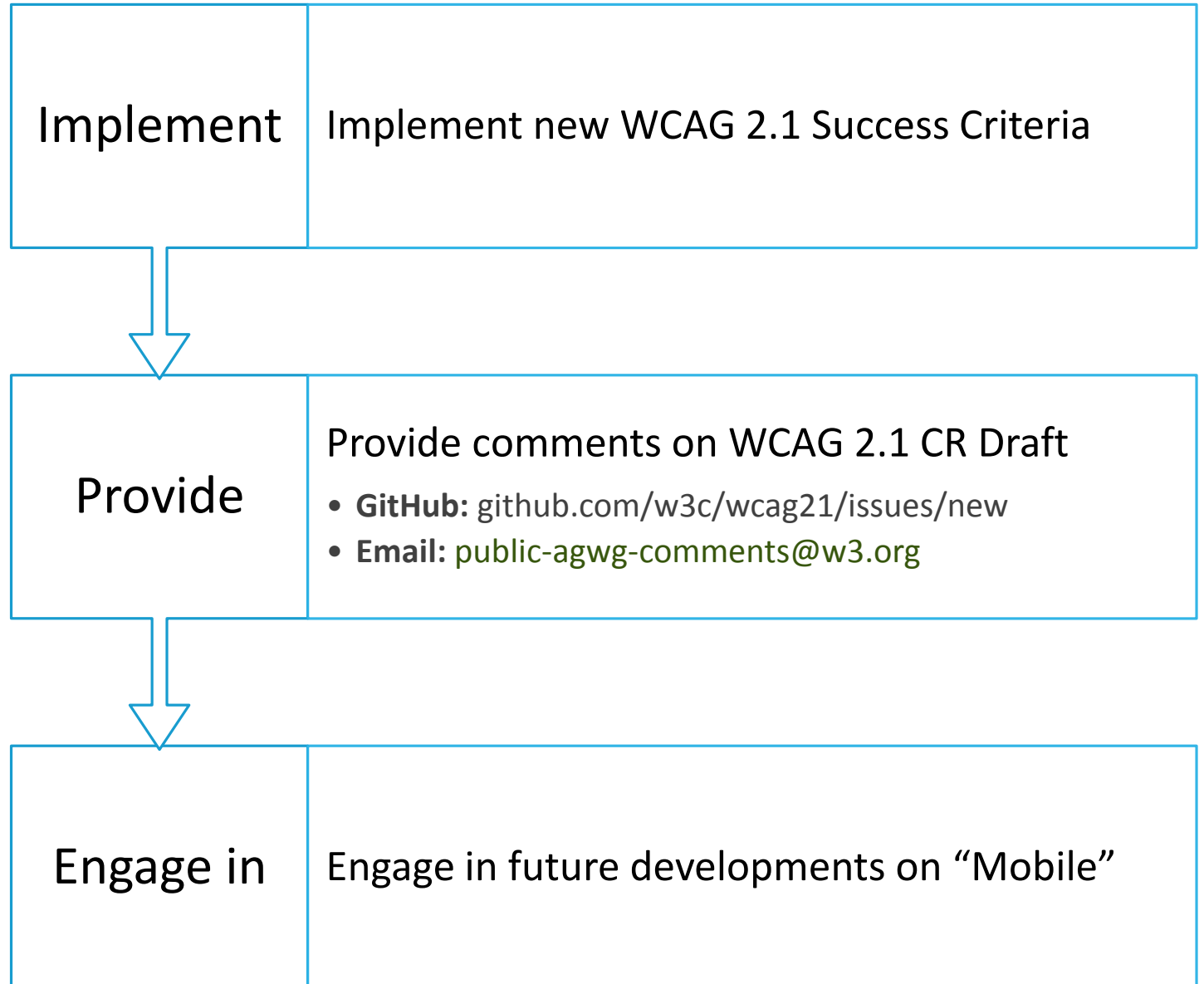
The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):

- User Interface Components: [...]
- Graphical Objects: [...]

Next Steps for Us



Next Steps for You



Questions?

