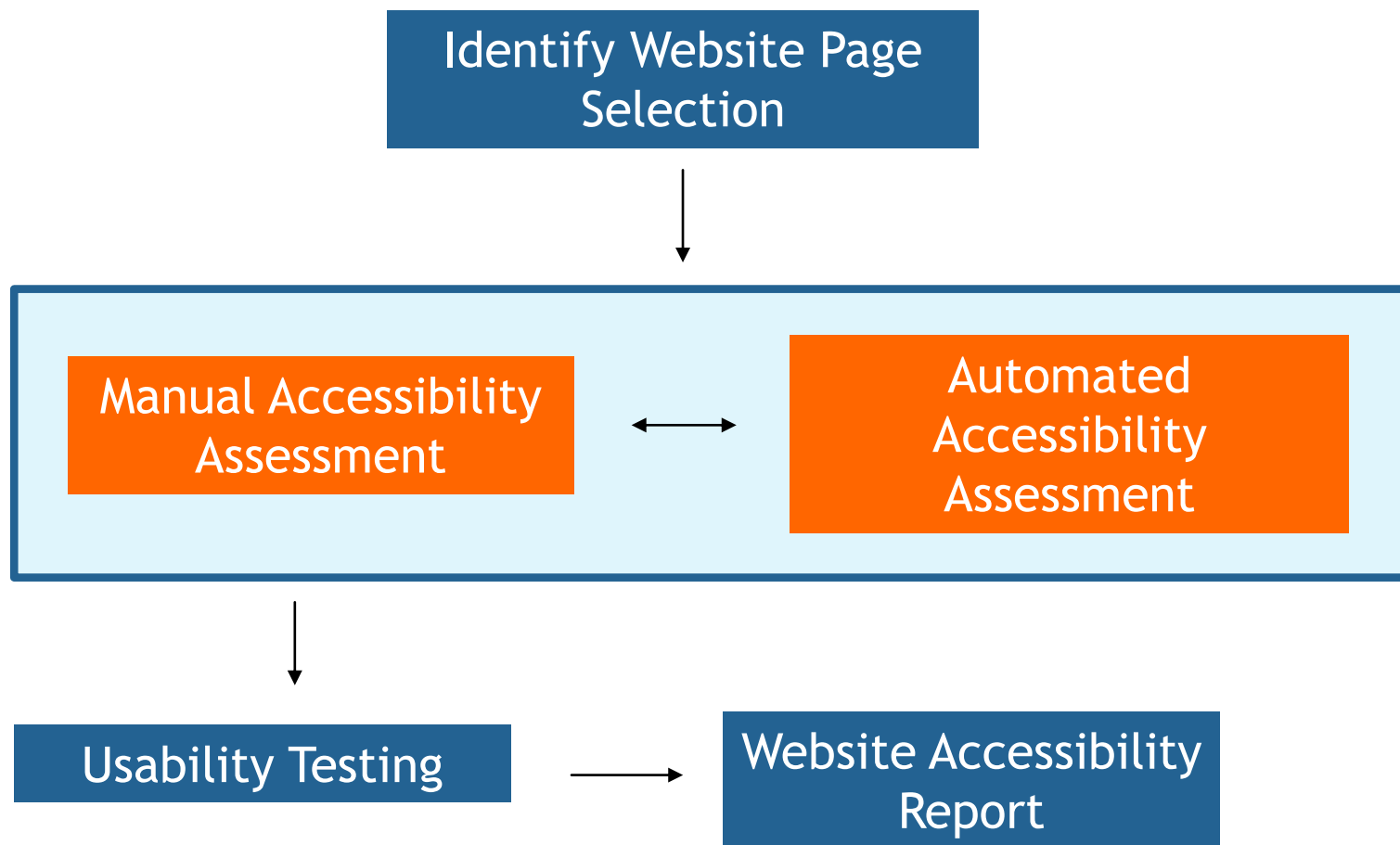# Website Accessibility Evaluation Process

Aurora Design and Consulting (2017)

About our Process

Aurora Design and Consulting provides website accessibility evaluation services to help you achieve compliance with [Section 508](#) and [WCAG 2.0](#). Our process aligns with the World Wide Web Consortium's Website Accessibility Conformance Evaluation Methodology ([WCAG-EM](#)).

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Our Process

Identify Website Page Selection

Manual Accessibility Assessment ←→ Automated Accessibility Assessment

Usability Testing → Website Accessibility Report

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Page Selection

- Identify a page selection to test for accessibility compliance.

- A typical page selection should include a representative sample of pages including: the website home page, top level pages, and other landing pages.

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Automated Accessibility Testing

Automated accessibility testing involves using online assessment tools to identify website syntax errors and WCAG 2.0 failures. At Aurora, we use a battery of automated tools to identify, characterize and document accessibility errors for further testing.

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Automated Assessment Tools

▶ HTML Validator & CSS Validator – HTML and CSS syntax checkers developed by the World Wide Web Consortium (W3C).

▶ Wave Evaluation Tool – automated accessibility assessment tool developed by WebAIM.

▶ AChecker – automated accessibility checker.

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Automated Accessibility Tests

► HTML / CSS Validators – identify and document HTML and CSS syntax errors.

► Wave Evaluation Tool / AChecker – identify and document WCAG 2.0 errors, and check web pages for contrast problems.

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Manual Accessibility Testing

Manual accessibility testing involves using assistive technology devices and other tools to identify accessibility barriers that automated scans might have missed. At Aurora, we use [NVDA screen reader](#) to identify accessibility barriers and assess website compatibility with assistive technology devices.

Manual Accessibility Tools

- **NVDA Screen Reader** – free text-to-speech synthesizer developed by NV Access.
- **Chrome Developer Tools** - developer toolbox for Google Chrome browser.

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Manual Accessibility Tests

- Font Re-size Test– ensure that pages are usable with font sizes increased up to 200%.
- NVDA Screen Reader – test webpages for compatibility with assistive technology devices, and document any accessibility barriers.

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Usability Testing

- Usability testing involves website evaluation and testing by assistive technology users.

- During the evaluation process, assistive technology users Identify and document accessibility barriers that automated and manual tests may have missed.

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Website Accessibility Reporting

▶ Compile results from automated and manual accessibility tests.

▶ Analyze accessibility and usability test results and summarize findings.

▶ Deliver final accessibility report with recommendations for website remediation and repair.

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Contact Us

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