

ADA Title II & WCAG 2.1 AA Digital Accessibility Audit Kit

Operational Verification Standard for Web, Mobile & PDF/UA-1 Compliance

Version: 2026.1 | Target Audience: Municipalities, Agencies & QA Teams | Author: PDF Foundry

1. Perceivable & Visual Contrast Standards (WCAG 1.1 - 1.4)

OPERATIONAL SCOPE: All non-text content, data tables, and interface graphics must convey equivalent information to sensory-impaired users. Color contrast must strictly satisfy 4.5:1 for body text and 3.0:1 for graphical boundaries.

Item ID	Actionable Verification Check	Verification Method	Remediation Protocol	Input
PERC-01	Verify all meaningful graphics and chart visuals declare non-empty descriptive alternative text.	Inspect DOM img alt attributes / PDF Figure tags using NVDA Browse Mode.	Inject descriptive alt string or AlternativeText attribute via DOM/COM pipeline.	☐
PERC-02	Ensure purely decorative graphics, spacers, and card fills are tagged as artifacts.	Confirm screen reader skips purely decorative visual embellishments.	Assign alt="" in HTML or mark as /Artifact in PDF structure tree.	☐
PERC-03	Validate body prose and table text contrast ratio meets or exceeds 4.5:1 against background.	Sample text and background colors using Color Contrast Analyzer (CCA).	Darken body text to #0F172A or lighten container background fill.	☐
PERC-04	Confirm large-scale text (18pt+ or 14pt bold) meets or exceeds 3.0:1 contrast ratio.	Verify header color contrast against white page background via CCA.	Adjust header ink to #1E3A8A to achieve minimum 3.0:1 luminance ratio.	☐
PERC-05	Verify active input borders, focus indicators, and UI icons meet 3.0:1 non-text contrast.	Measure contrast of 1.0pt field border stroke against white page fill.	Set form field border stroke to #1E3A8A or minimum 3.0:1 boundary token.	☐
PERC-06	Confirm responsive layout reflows up to 200% zoom without horizontal scrolling or truncation.	Zoom browser or PDF viewer to 200%; check for text clipping or overlap.	Refactor fixed-width pixel containers to relative percentages and wrap rules.	☐
PERC-07	Record lowest measured body prose contrast ratio sampled across document pages.	Log exact numerical CCA ratio for baseline audit documentation.	Re-sample failing text samples with CCA eyedropper tool and recalibrate palette.	

Decision Matrix & Escalation Protocols — Perceivable & Visual Contrast Standards

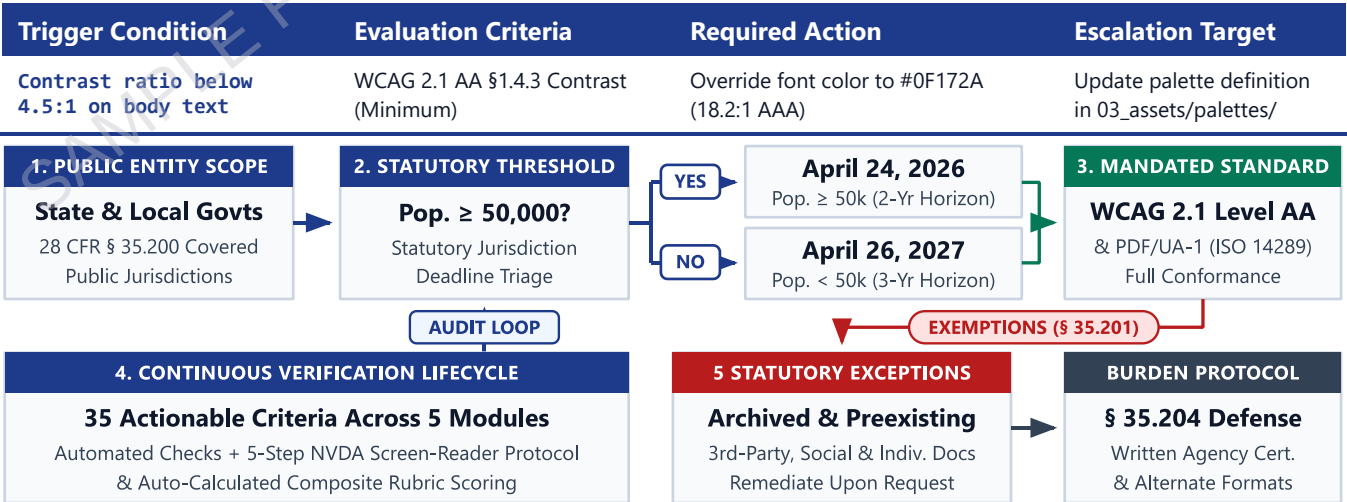


Figure 1: ADA Title II Statutory Compliance & Exemption Triage Architecture

2. Operable & Keyboard Navigation Protocols (WCAG 2.1 - 2.5)

OPERATIONAL SCOPE: All interactive controls, links, and forms must be operable through keyboard input without requiring mouse tracking. Visual focus indicators must remain visible with at least 3.0:1 contrast.

Item ID	Actionable Verification Check	Verification Method	Remediation Protocol	Input
OPER-01	Verify all interactive controls and form inputs are executable using only Tab, Space, and Enter.	Disconnect pointing device; navigate and toggle all form fields via keyboard.	Attach standard keyboard event listeners or replace custom div with native controls.	☐
OPER-02	Ensure keyboard focus can move freely into and out of all modal dialogs and dropdown menus.	Confirm focus is never trapped indefinitely in any interactive widget.	Bind Escape key to dismiss dialog and restore focus to trigger element.	☐
OPER-03	Confirm visible focus indicator outline surrounds active element with at least 3.0:1 contrast.	Tab through page controls; observe presence of distinct focus ring.	Remove outline:none CSS rules; apply high-contrast focus ring token.	☐
OPER-04	Validate skip-to-content bypass mechanism is the first focusable control on web views.	Press Tab on initial page load; confirm skip link appears and functions.	Insert skip link anchor targeting #main-content as first child of body.	☐
OPER-05	Ensure sequential tab ordering follows the natural visual reading sequence.	Check /Page /Tabs dictionary equals /S (Structure order) in PDF catalog.	Remove arbitrary positive tabindex values; enforce /Tabs /S structure order.	☐
OPER-06	Confirm programmatic accessible names match visible labels and pointer targets meet >=24x24 px.	Inspect accessible name vs visible label (WCAG 2.5.3) & 24x24px target bounds.	Align aria-label/TU with visible label text and enforce >=24px target bounds.	☐
OPER-07	Enter total count of focusable interactive elements verified during keyboard walkthrough.	Record total verified interactive widgets for compliance records.	Audit document DOM or PDF /Annots array to reconcile missing interactive fields.	☐

Decision Matrix & Escalation Protocols — Operable & Keyboard Navigation Protocols

Trigger Condition	Evaluation Criteria	Required Action	Escalation Target
Keyboard trap detected in modal or container	WCAG 2.1 AA §2.1.2 No Keyboard Trap	Implement Escape key dismissal and cycle focus within modal boundaries	Refactor component focus trap manager in codebase