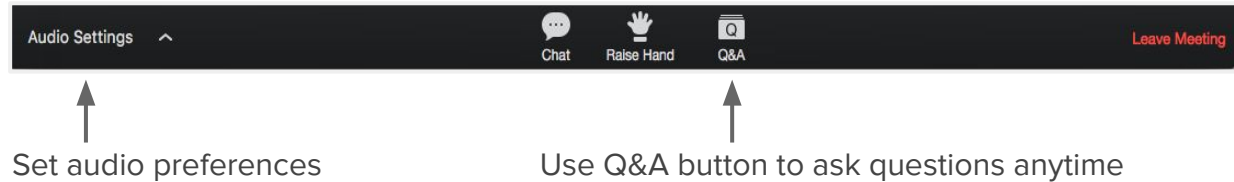# How Streamline can help with website accessibility

WEEK 2

STREAMLINE

Please acquaint yourself with the Zoom toolbar while we wait for additional attendees to join:

Audio Settings ︿   Chat   Raise Hand   Q&A   Leave Meeting

Set audio preferences   Use Q&A button to ask questions anytime

Don't worry about taking notes, we'll send the recording later today.

WEEK

1

History and
Legal Basis

WEEK

2

Requirements
and Testing

WEEK

3

Documents
and Videos

STREAMLINE

Who we are

Streamline: 3 years, 270+ special district websites, 500+ local government agencies using our free compliance tools.

Digital Deployment: 15 years, 300+ websites for associations, nonprofits, and institutions.

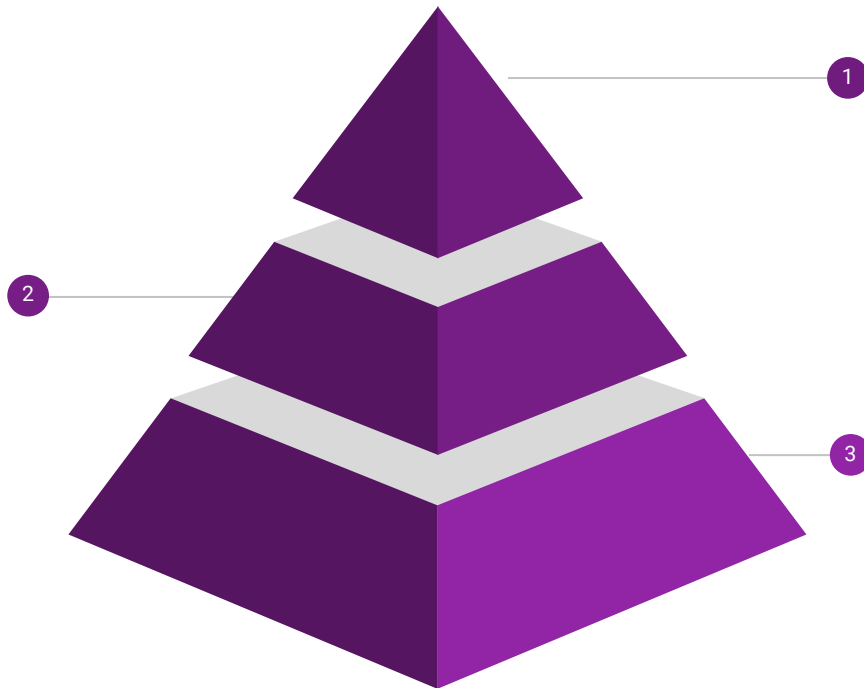Mac Clemmens

Sloane Dell'Orto

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The requirements, in detail

Key Terms

WCAG Guidelines

The international web accessibility guidelines that are referenced (directly and indirectly) by both state and federal laws regarding web accessibility. These guidelines form the foundation of laws and requirements.

Section 508

A law referenced by the ADA that more specifically outlines how to meet accessibility standards for electronic content, including websites.

ADA Compliance

The Americans with Disabilities Act protects the rights of people with disabilities. It's broad reach extends to websites, but doesn't reference web accessibility specifically.

1.1 Text alternatives

- 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.

The Lady of Shalott
A poem by Alfred Lord Tennyson.

About this painting.

Full recitation of Alfred, Lord Tennyson's poem.

The Lady of Shalott
A poem by Alfred Lord Tennyson.

Painting of a woman in a white flowing dress, sitting in a small boat.

About this painting.

Full recitation of Alfred, Lord Tennyson's poem.

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Manage Content

Edit Image Alt-text

Save

Alternative text (alt-text) provides a textual representation of images for visually impaired users. Please provide a specific and succint description of the image below.

Show examples

Alt-text

Dry grass can be a fire hazard

Pages | Images

Search by filename

firefighting.jpeg

⊘ May contain: human, person,...

airplane-buildings.jpg

⊘ May contain: building, office ...

airplane-wing.jpg

⊘ May contain: transportation, ...

⊘ May contain: light, flare, gras...

⊘ Dry grass can be a fire hazard

firefighters.jpeg

⊘ May contain: human, person,...

⊘ May contain: boat, vehicle, tr...

fire-hydrant.jpg

⊘ May contain: fire hydrant and...

⊘ May contain: plant, tree, natu...

fire-burned-trees.jpg

⊘ May contain: nature, outdoor...

1.2 Time-based media

- Provide alternatives for time-based media
- Provide captions for live and pre-recorded audio
- Applies to audio and video, except when the audio or video is a media alternative for text and is clearly labeled as such
- Audio description track if something more than a talking head video (e.g. Olympics)

- **What this means for you: upload to provider that includes closed captioning.**

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Mr Gary Szeto
Hearing Impaired

Many video clips on the Internet
do not provide subtitles.

source: www.ogcio.gov.hk

1.3 Adaptable

- Create content that can be presented in different ways (for example simpler layout) without losing information or structure

- **What this means for you: don't mess with your content to make it look different than it should**

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1.4 Distinguishable

- Make it easier for users to see and hear content including separating foreground from background
- Add audio controls with ability to change volume
- Sufficient contrast (except large text, decoration, or part of a logo)
- Resizable text (it's OK to use browser zoom)
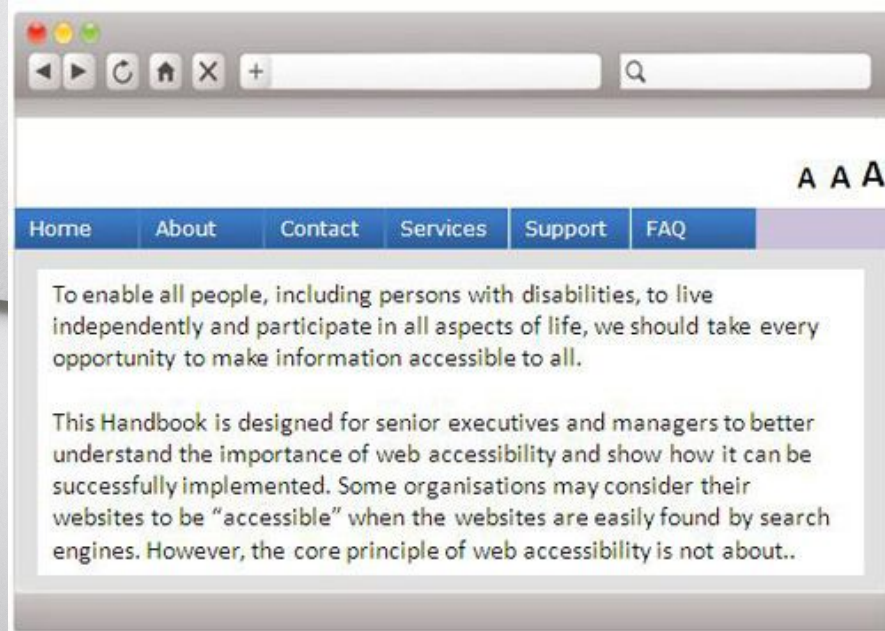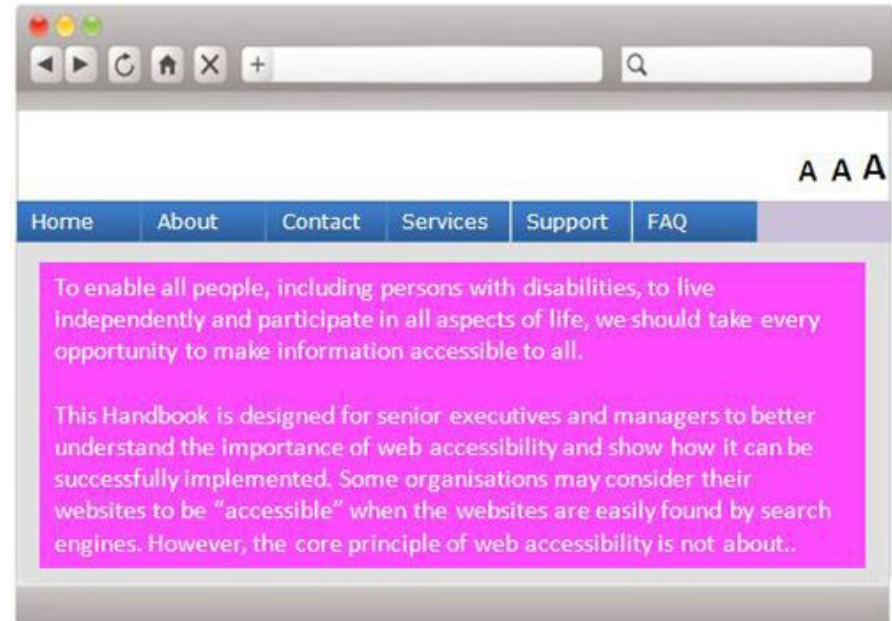- No images of text (flyers as JPGs, etc)

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1.4 Distinguishable

Pass

Fail

Search WebAIM

Introduction to Web Accessibility

WebAIM Training

Color Contrast Checker

Home > Resources > Color Contrast Checker

Foreground Color

#4A4A4A

Lightness

Background Color

#FFFFFF

Lightness

Contrast Ratio

8.86:1

permalink

Normal Text

WCAG AA: Pass
WCAG AAA: Pass

The five boxing wizards jump quickly.

SERVICES   MEETINGS   STAFF   FOLLOW US

Job Openings

We're hiring! All jobs are open to any candidate regardless of race, color, religion, gender, nationality, sexual orientation or sleep schedule.

- Office Manager
- Customer Success Manager

READ MORE »

Prop 218 Notice of Rate Increase

Per Proposition 218 requirements, the Acme Municipal Utility District hereby offers notice of an upcoming hearing to consider a possible rate increase for the 2018-2019 fiscal year. The public is…

READ MORE »

Let's Celebrate With a Birthday Party!

Add custom text information about your party or special event here

Location and address

Time and Date

RSVP Information

Party Details such as food offering, guest requests, directions or other.

Fail

Upcoming Events

When we do things, we post about them on our website so that you can decide to come do things too.

- Oct 20 Fundraiser
- Jul 5 Sloane's Birthday

READ MORE »

SERVICES

MEETINGS

STAFF

FOLLOW US

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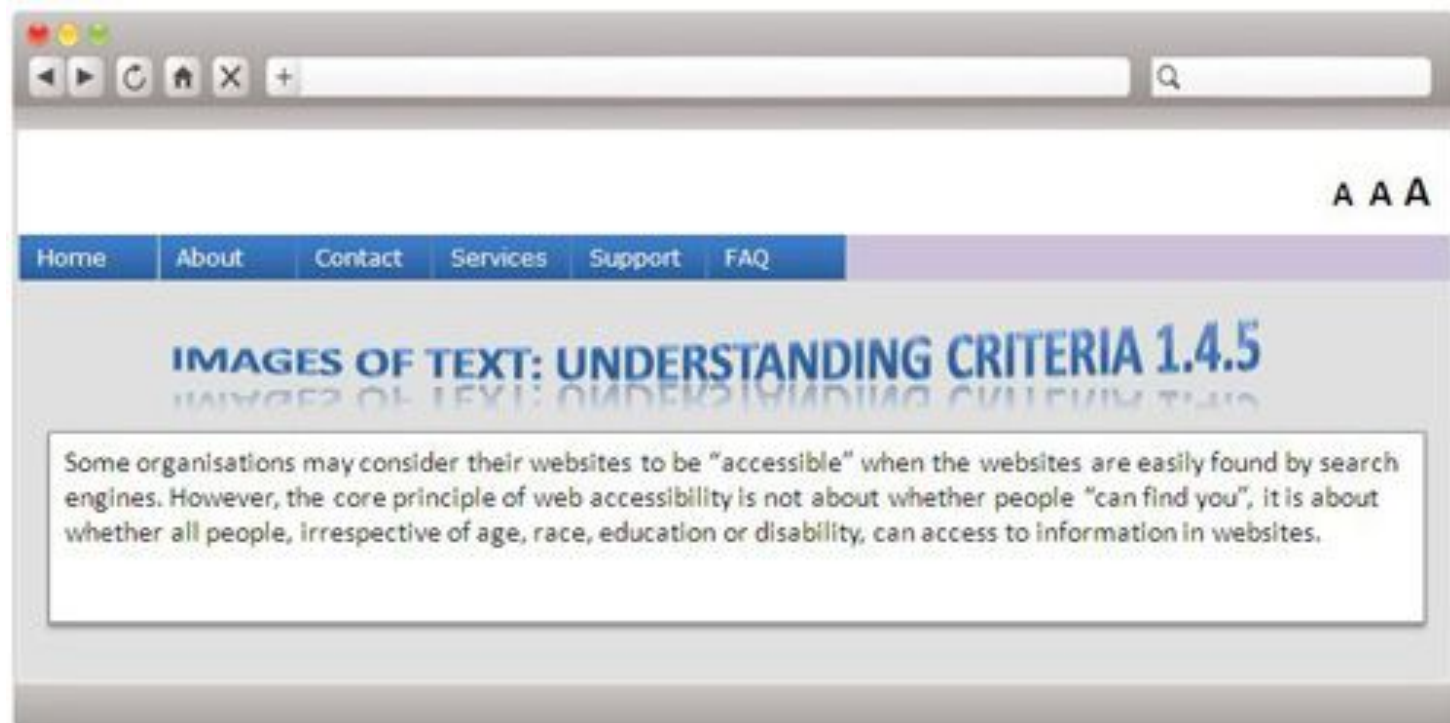
READ MORE »

Upcoming Events

When we do things, we post about them on our website so that you can decide to come do things too.
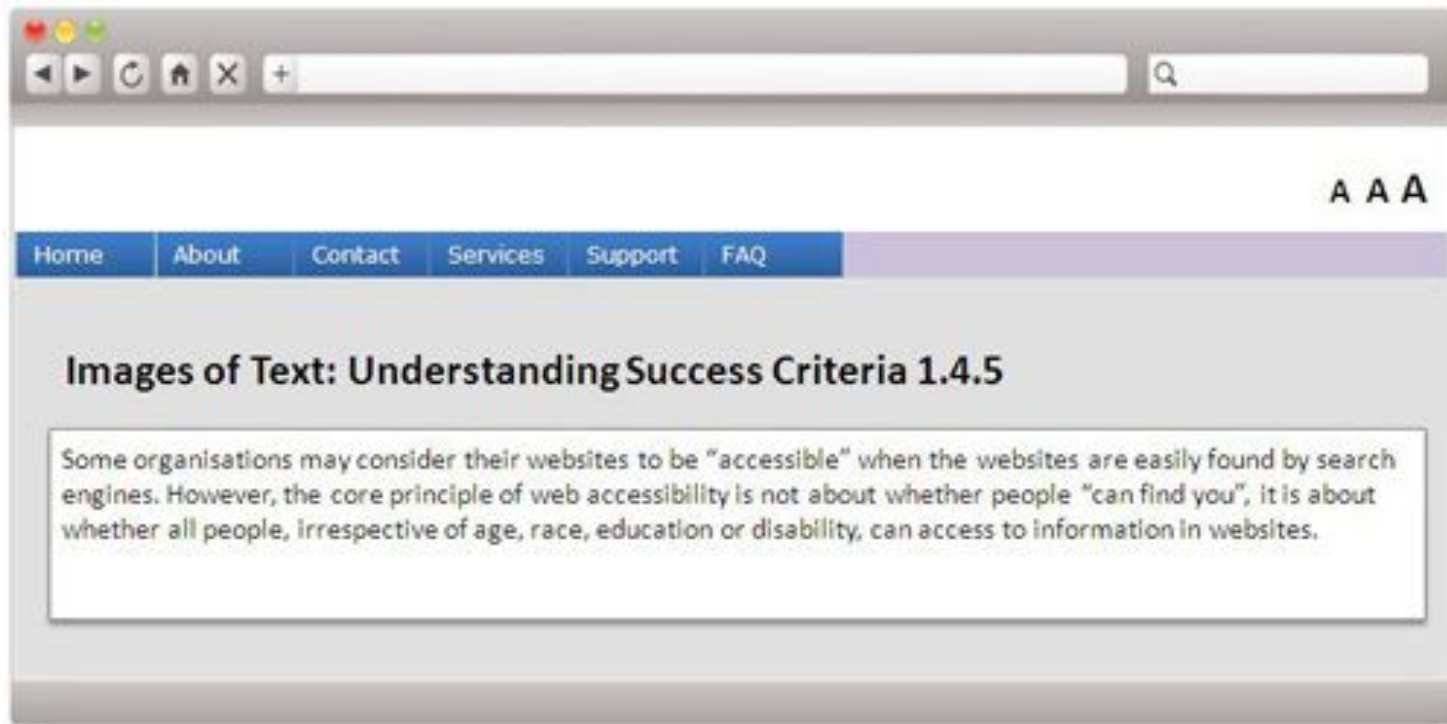
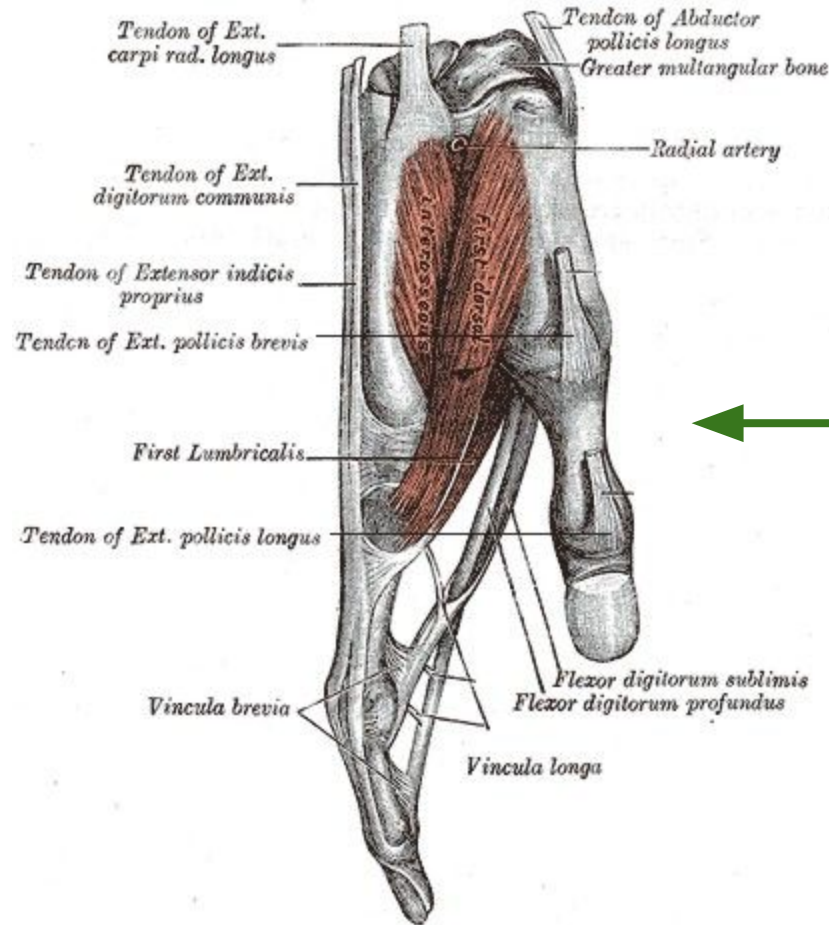- **Oct 20** Fundraiser
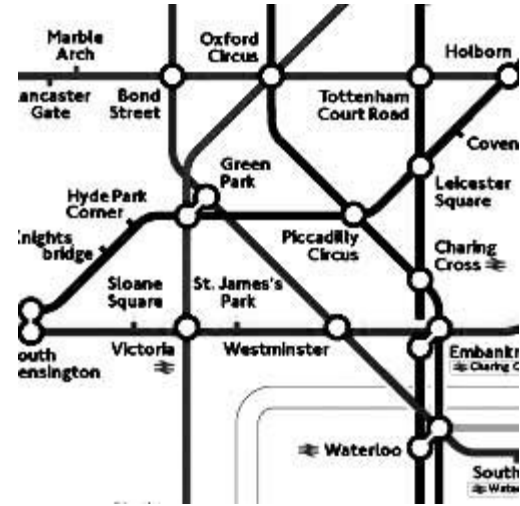- **Jul 5** Sloane's Birthday

READ MORE »

Pass

IMAGES OF TEXT: UNDERSTANDING CRITERIA 1.4.5

Some organisations may consider their websites to be "accessible" when the websites are easily found by search engines. However, the core principle of web accessibility is not about whether people "can find you", it is about whether all people, irrespective of age, race, education or disability, can access to information in websites.

Fail

AAA

Home | About | Contact | Services | Support | FAQ

Images of Text: Understanding Success Criteria 1.4.5

Some organisations may consider their websites to be "accessible" when the websites are easily found by search engines. However, the core principle of web accessibility is not about whether people "can find you", it is about whether all people, irrespective of age, race, education or disability, can access to information in websites.

← Pass

Tendon of Ext. carpi rad. longus

Tendon of Abductor pollicis longus

Greater multangular bone

Radial artery

Tendon of Ext. digitorum communis

Tendon of Extensor indicis proprius

Tendon of Ext. pollicis brevis

First Lumbricalis

Tendon of Ext. pollicis longus

Vincula brevia

Flexor digitorum sublimis
Flexor digitorum profundus

Vincula longa

OK

Sometimes images with text are necessary.

Be careful when relying on color.
Never rely only on color to convey meaning.

The meetings in red
have been canceled:

Jan 3, 2018
Feb 7, 2018
Mar 10, 2018
Apr 2, 2018

Don't
do this

Be careful when relying on color.
Never rely only on color to convey meaning.

The meetings in red
have been canceled:

Jan 3, 2018
Feb 7, 2018 (cancelled) ←—— Do this
Mar 10, 2018   instead.
Apr 2, 2018

Be careful when relying on color.
Never rely only on color to convey meaning.

Have Questions?

Find answers in the knowledge base!

While our content management system is built for technical and non-technical people alike, we know there's a lot to learn! If you have any questions, check out our online knowledge base.

Our extensive knowledge base includes support articles on everything from what your SLA program includes, to how to float an image caption to the right. Click the link to the right to find the Digital Deployment knowledge base.

This item appears in

1 column w/pods right

Related links

Knowledge Base

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Heh?

Share this page

This item appears in

1 column w/pods right

Related links

Knowledge Base

2.1 Keyboard accessible

- Make all functionality available from a keyboard
- This is probably the easiest to try out for yourself: can you use your website without a mouse? (using the tab, space, and arrow keys)?
- Try to go to your homepage, visit your contact page, and fill out a form to contact someone or perform some other normal business function
- Don't have traps that a user cannot exit, (like a map on the contact page) and if you do, explain how to exit

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2.2 Enough time

- Provide users enough time to read and use content.
- If you have timers, allow them to be turned off or adjusted
- Exceptions: real-time auctions, essential activities, or 20 hours+ time limits
- For moving, blinking, auto-updating information (like a carousel), allow a user a way to pause it

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2.3 Seizures

- Do not design content in a way that is known to cause seizures
  - No more than three blinks in a one second period
  - Especially with the color red

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2.4 Navigable

- Provide ways to help users navigate, find content, and determine where they are
- Users are able to skip blocks of repeated information with their screenreader. (Skip to nav link or ARIA landmark)
- Follow good structure (use headings appropriately)
- Make sure your tab order is correct
- Make sure your links make sense in context and be careful with "read more" or other generic links.

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Monterey County
Regional Fire District

Search... | Go!

Home | What We Do ▾ | Backyard Burning | Governing our District ▾ | Contact Us | Employment

Administration

Board of Directors

Board Meetings

Transparency

Residential Fire Prevention

Wildfire Season in California is nearly year-round - are you ready? For some tips on how to prepare your home for the threat of fire, watch the Ready! Set! Go! video on this page.

ABOUT US

TWITTER

FREQUENTLY ASKED QUESTIONS

3.1 Readable

- Make text content readable and understandable
- Set the language of your page and for page parts if you have an alternative language

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3.2 Predictable

- Make web pages appear and operate in predictable ways
- Use an industry-standard content management system
- Be careful with homegrown systems
- Don't let the way a disabled user navigates the site trigger some kind of action (such as navigating a form element)
- Have a consistent navigation and consistent website identity

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3.3 Input assistance

- Help users avoid and correct mistakes.
- Identify errors in form inputs in an industry-standard way
- Add labels and instructions on form elements that are properly attached to the elements they relate to.
- Offer suggested corrections, when appropriate
- For legal, financial, or important data, allow submissions to be reversible, checked against existing data (to allow the user the opportunity to correct it) and add a confirmation page to review the submission

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4.1 Compatible

- Maximize compatibility with current and future user agents, including assistive technologies
- Make sure your site follows good HTML markup practices (W3C guidelines for HTML5, etc.)
- Make sure your site adds ARIA (Accessible Rich Internet Application) labels

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How to check

Tools for testing

- Note that tools cannot perfectly evaluate your accessibility, however, they do imply a reasonable effort to comply
- There are many tools and services out there - we'll use achecker.ca and Chrome Lighthouse
- We'll share them on the resources page and demo a few, too

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Step 1: Visit achecker.ca

Step 2: enter URL and choose test type

Check Accessibility By:

Web Page URL	HTML File Upload	Paste HTML Markup

Address: https://mcrfd.specialdistrict.org/

Check It

▾ **Options**
☐ Enable HTML Validator   ☐ Enable CSS Validator   ☐ Show Source

Guidelines to Check Against

○ BITV 1.0 (Level 2)   ○ Section 508   ○ Stanca Act
○ WCAG 1.0 (Level A)   ○ WCAG 1.0 (Level AA)   ○ WCAG 1.0 (Level AAA)
○ WCAG 2.0 (Level A)   ● WCAG 2.0 (Level AA)   ○ WCAG 2.0 (Level AAA)

Report Format
● View by Guideline   ○ View by Line Number

WCAG 2.0 AA:
New/Current Standards

Section 508:
Standards before Jan 18, 2018

Step 3: evaluate results

Accessibility Review

Accessibility Review (Guidelines: WCAG 2.0 (Level AA))

Export Format: [PDF ▸] Report to Export: [All ▸] [Get File]

| **Known Problems(0)** | **Likely Problems (0)** | **Potential Problems (166)** | **HTML Validation** | **CSS Validation** |

✅ **Congratulations! No known problems.**

Step 4: what to do if there are errors

Accessibility Review

Accessibility Review (Guidelines: **WCAG 2.0 (Level AA)**)

Export Format: PDF ⇕ Report to Export: All ⇕ Get File

Known Problems(21) **Likely Problems (0)** **Potential Problems (521)** **HTML Validation** **CSS Validation**

1.1 Text Alternatives: Provide text alternatives for any non-text content

Success Criteria 1.1.1 Non-text Content (A)

Check 7: Image used as anchor is missing valid Alt text.

Repair: Add Alt text that identifies the purpose or function of the image.

⊗ *Line 267, Column 122*:

```
<img src="/sites/main/files/imagecache/hero/main-images/ddhome.jpg" alt="" title=""  width="1920" he ...
```

Chrome Lighthouse

Common pitfalls

- No closed captions on video/audio files
- Not having accessible PDFs / documents
- Not having ALT tags for images
- Lack of labels on form fields
- Color contrast
- Not having a mobile-responsive site
- Non-semantic HTML

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WED
AUG 21

WEEK
1

History and
Legal Basis

WEEK
2

Requirements
and Testing

WEEK
3

Documents
and Videos

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Week one

Intro to accessibility

(If you missed it, the recording is on the landing page)

Week three

In the last week, we'll show you how to make accessible PDFs (documents) and what to consider for video and audio files

Questions?

www.getstreamline.com
sloane@getstreamline.com
(916) 900-6619

See you next week!

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