South Wales Fire and Rescue Service

Accessibility Summary

Inclusivity should be the forefront to ensure optimal interaction and retention of users. You do not want to ignore any group, so the site should be built with universal engagement in mind – therefore your site should be clear, simple, and easily navigable, with well-structured, well-written and understandable content.

This report describes the conformance of the **South Wales Fire and Rescue Service** public web site with *W3C's Web Content Accessibility Guidelines (WCAG) 2.1* guidelines. The review process is outlined below.

Review Process

- URL: https://www.southwales-fire.gov.uk

- Conformance tested for *WCAG 2.1 Level AA*

- Testing Tools:
    - **SortSite** - web site testing application
    - **WAVE Accessibility Checker** - wave.webaim.org - browser extension
    - **SiteImprove** - browser extension
    - **Google Lighthouse** - browser extension
    - **Web Accessibility Checker** - achecker.ca

Based on this evaluation, the web site is close to meeting *WCAG 2.1 Conformance Level AA* guidelines with better than average results. A review of the results from a cross-section of the site is available below.

The issues and tasks are broken down into responsibilities for: *Content Editor* and *Developer*

*Responsibility: **Content Editor***

- **alt text** should not be an image file name.
  - WCAG 2.1 A F30
  - 20 pages
  - **Details**: Change the alt text to a description of the image. These relate to PDF files uploaded.
  - Information on creating accessible **PDF** documents: https://webaim.org/techniques/acrobat/

- **alt text** should not contain placeholders like 'picture' or 'spacer'.
  - WCAG 2.1 A F30
  - 1 page
  - **Details**: Some of the images on the page below have alt text like: alt='Ellie_the_Elephant' alt='Fire_Safety' alt='Firefighter_Ted' alt='Fire_Engine' alt='Fire_Safety_Workbook' etc. Remove the underscores in the alt text.
  - **Sample**: https://www.southwales-fire.gov.uk/games-education-resource/games-and-resources/

- **Do not use filenames**, placeholders or empty text as **text alternatives** for timed media.
  - WCAG 2.1 A F30
  - 2 pages
  - **Details**: Use a text alternative that describes the purpose or content of the media.
  - **Sample**: https://www.southwales-fire.gov.uk/newsroom/news/international-womens-day-2020/ - the text alternative for the media file is the file URL itself.

- **Document title** must not be blank.
  - WCAG 2.1 A F25
  - 444 pages
  - **Details**: For Office documents and PDF documents, fill in the Title in Document Properties before saving as PDF.
  - Information on creating accessible **PDF** documents: https://webaim.org/techniques/acrobat/

- **Figures** and **images** in **PDF documents** should have non blank ALT text, except for decorative images which should be marked as artifacts.
  - WCAG 2.1 A F65
  - 345 pages
  - **Details**: Each image should have an ALT attribute describing the picture, which screen readers can read aloud.
  - Information on creating accessible **PDF** documents: https://webaim.org/techniques/acrobat/

- Identify **row** and **column headers** in data tables using **th** elements, and mark layout tables with role=presentation.
    - WCAG 2.1 A F91
    - 2 pages
    - **Sample**: https://www.southwales-fire.gov.uk/working-with-us/firefighter-role/on-call-firefighters/ - add in table headers for the table, or change the display method if a table is not needed.

- **iframe** and frame elements must have a **title attribute**.
    - WCAG 2.1 A 2.4.1
    - 21 pages
    - **Details**: Add a title attribute or ARIA label to each iframe and frame element (e.g. title='This is the title or purpose of the iframe').

- **img** elements must have an **alt attribute**.
    - WCAG 2.1 A F65
    - 2 pages
    - **Details**: Add an alt attribute describing each image, which a screen reader voices instead of the image.

- **PDFs** must be tagged to be accessible by screen readers.
    - WCAG 2.1 A 1.3.1
    - 319 pages
    - Information on creating accessible **PDF** documents: https://webaim.org/techniques/acrobat/

- Use the **lang attribute** to identify the language of the page.
    - WCAG 2.1 A 3.1.1
    - 304 pages
    - **Details**: Set the language using Document Properties in Acrobat. This allows screen readers to pronounce words correctly.
    - Information on creating accessible **PDF** documents: https://webaim.org/techniques/acrobat/

- Each **a** element must contain text or an img with an **alt attribute**.
    - WCAG 2.1 A F89
    - 9 pages
    - **Details**: To add a name do one of the following:
        - Add text between the a element start and end tags
        - Add an aria-label attribute
        - Add an img alt attribute if the link contains an img element

- All **fieldset** elements should be labeled with **legend** elements.
  - WCAG 2.1 A H71
  - 1 page
  - **Details**: The first child element inside a fieldset must be a legend element
  - **Sample**: https://www.southwales-fire.gov.uk/your-safety-wellbeing/at-home/self-assessment/

- Content inserted with **CSS** is not read by some screen readers, and not available to people who turn off style sheets.
  - WCAG 2.1 A F87
  - 2 pages
  - **Details**: CSS update required.

- **Duplicate id** - the same ID is used on more than one element.
  - WCAG 2.1 A 4.1.1
  - 7 pages
  - **Details**: all ID's on a page must be unique.

- **HTML** form control has **no label**.
  - WCAG 2.1 A F68
  - 2 pages
  - **Details**: Add a label element with the **for** attribute set to the ID of the form control

- Link uses general text like **'Click Here'** with no surrounding text explaining link purpose.
  - WCAG 2.1 A F63
  - 12 pages
  - **Details**: Add an aria-label to the link (which helps screen reader users).

- Removing the **underline** from links makes it hard for color-blind users to see them.
  - WCAG 2.1 A F73
  - 1 page
  - **Details**: CSS update required.

- This **form control** has a **blank label** or title.
  - WCAG 2.1 A F68
  - 2 pages
  - **Details**: Add descriptive text to the form control's label.
  - **Sample**: https://www.southwales-fire.gov.uk/working-with-us/firefighter-role/firefighter-wholetime/firefighter-fit-registration/ - *Shoe Size* on this form is not a label

- Use **semantic markup** like strong instead of using the CSS **font-weight** property.
  - WCAG 2.1 A F2
  - 1 page
  - **Details**: Can be ignored

Level AA (Items needing addressed)

Responsibility: *Content*

- Do not use the **meta viewport** tag to **disable zoom**.
  - WCAG 2.1 AA 1.4.4
  - 1 page
  - **Details**: this seems to be on a standalone page: https://www.southwales-fire.gov.uk/app/uploads/games/tower_climb/story_html5.html

Responsibility: *Developer*

- Ensure that text and background **colors** have **enough contrast**.
  - WCAG 2.1 AA 1.4.3
  - 1 page
  - **Details**: CSS update required.

- For input **type=password** elements, set the **autocomplete attribute** to new-password or current-password in order to identify input purpose.
  - WCAG 2.1 1.3.5
  - 2 pages
  - **Details**: Specifying what kind of data is expected in an input field makes filling out forms easier

- Form **field labels** should be **unique** on a page or enclosed in a fieldset with a legend that makes the label unique.
  - WCAG 2.1 AA 2.4.6
  - 222 pages
  - **Details**: When a form contains items with the same label, screen reader users find it difficult to tell them apart. Adding a fieldset with a legend differentiates the controls, because the legend text is announced along with the label text. Alternatively name the labels differently. This relates to the two site search forms

- **Headings** should not be empty.
  - WCAG 2.1 AA G130
  - 26 pages

- The **CSS outline** or border style on this element makes it difficult or impossible to see the dotted link focus outline.
  - WCAG 2.1 AA F78
  - 6 pages
  - **Details**: CSS update required.

- Use **relative units** in CSS property values when zoom is disabled by meta viewport.
  - WCAG 2.1 AA 1.4.4
  - 1 page
  - **Details**: CSS update required.