



nomensa
Humanising Technology



Office for
Nuclear Regulation

Accessibility audit report - Portal

27th February 2023

© Copyright Nomensa Ltd.

Change Log

Revision History

| Date | Name | Version | Summary |
|------------|-----------|---------|---------|
| 16/02/2023 | Amani Ali | 0.1 | Author |

Reviewer

| Date | Reviewer | Version | Comments |
|------------|-----------------|---------|----------|
| 24/02/2023 | Joel Strohmeier | 0.2 | QA |

Distribution

| Date | Name / Channel | Version | Organisation |
|------------|----------------|---------|-------------------------------|
| 27/02/2023 | Natasha Reason | 1.0 | Office for Nuclear Regulation |

High level report structure

- 1. Introduction**
- 2. Our approach**
- 3. Findings - Site wide issues**
 - Keyboard
 - Magnification & Contrast
 - Screen Reader
 - Deafness & Cognitive
 - Best Practices
 - WCAG 2.2
- 4. Conclusion**

Introduction

Introduction

An Accessibility Audit is a comprehensive evaluation of a website against the Web Content Accessibility Guidelines (WCAG) 2.1.

The audit determines the current level of accessibility and details areas of your website that did not conform to the guidelines.

An accessibility audit will improve the experience you give to people using your website and enable more people to reach your information and services.

The audit enables us to gain a thorough understanding of the accessibility level achieved and record all issues identified. The results can then be used as part of your roadmap for refining the accessibility of your website.

Improving accessibility can also help boost your search engine rankings and fulfil your responsibilities under UK law.

WCAG

The Web Content Accessibility Guidelines (WCAG) are a set of recommendations for making websites and apps accessible to people with disabilities.

WCAG is an internationally recognised standard for website accessibility.

There are 3 different levels of accessibility conformance within the guidelines: Level A, AA and Triple-A.

There are 50 different testable 'Success Criteria' required to meet AA, which is the level most organisations look to attain.

Each of the numbers in the report slide titles corresponds to the success criterion number from the Web Content Accessibility Guidelines. For full details of each criterion, see [WCAG 2.1](#).

Note:

WCAG 2.2 is still in draft status and so the items included should be seen as best practice recommendations and do not currently affect meeting Public Sector Bodies Accessibility Regulations (2018).

Our Approach

Our Approach

We present the identified issues on a **page-by-page basis**, showing where they were found, and referencing the relevant success criteria from the Web Content Accessibility Guidelines 2.1 and 2.2.

We also explain **why each concept is important** and give you **clear recommendations** for resolving any problems.

We carried out an accessibility audit of 8 pages from Office for Nuclear Regulation website during 16th February – 20th February 2023.

The website we audited was:

- <https://wired-uat.powerappsportals.com/>

For each issue found we have provided an estimated severity level. This is based on our experience of how difficult a barrier would be to overcome in context.

1. **Blocker** – a complete block that cannot be circumvented
2. **Severe** – a serious barrier but there is a work around
3. **Moderate** – moderate frustration
4. **Minor** – may cause inconvenience but would not cause significant frustration

Our Approach

We audited the following pages:

1. Home
2. Regulatory Issues
3. Regulatory Detail Report
4. Incident Detail Report
5. Incident User Guidance
6. Inspection Detail Report
7. Profile
8. Search Results

Tested Pages

Home

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Help - | Q | Joel Strohmeier -



Welcome to the Office for Nuclear Regulation dutyholder portal

The dutyholder portal is an online portal that enables visibility of the management of the Office for Nuclear Regulation's regulatory operations with dutyholders.



ONR website
Privacy & cookies

Copyright
Disclaimer
Accessibility

Regulatory Issues

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Help - | Q | Joel Strohmeier -

Home > Regulatory Issues

Regulatory Issues

Open Regulatory Issues - Search [] Download []

| ONR ID ↓ | Name | Dutyholder | Level | Owner | Division | ONR RAG | Dutyholder RAG | Created on | |
|----------|--|------------|-------|------------|--|---------|----------------|---------------------|---|
| RI-10055 | 22/11/2022 Regression | Urenco UK | 3 | Alex Clark | | GREEN | GREEN | 22/11/2022 2:27 PM | ▼ |
| RI-10048 | Visibility of draft test 2 | Urenco UK | 2 | Alex Clark | | GREEN | AMBER | 27/09/2022 10:54 AM | ▼ |
| RI-10047 | Visibility of draft | Urenco UK | 3 | Alex Clark | | AMBER | AMBER | 27/09/2022 10:11 AM | ▼ |
| RI-10044 | Regression 09/09/2022 | Urenco UK | 3 | Alex Clark | Sellafield & Decommissioning, Fuel & Waste | AMBER | AMBER | 09/09/2022 7:52 AM | ▼ |
| RI-10043 | Deployment Regression testing 26/06/2022 | Urenco UK | 3 | Alex Clark | | GREEN | GREEN | 26/08/2022 2:39 PM | ▼ |
| RI-10041 | Action issue | Urenco UK | 3 | Alex Clark | Civil Nuclear Security and Safeguards | GREEN | AMBER | 24/08/2022 12:10 PM | ▼ |
| RI-10040 | Another Test issue | Urenco UK | 4 | Alex Clark | | | AMBER | 18/08/2022 11:10 AM | ▼ |
| RI-10025 | Test issue | Urenco UK | 4 | Alex Clark | Sellafield & Decommissioning, Fuel & Waste | GREEN | GREEN | 15/08/2022 1:58 PM | ▼ |

ONR website
Privacy & cookies

Copyright
Disclaimer
Accessibility

Tested Pages

Regulatory Detail Report

The screenshot shows a web form for a Regulatory Detail Report. At the top, the report ID 'RI-10055' is displayed. Below this, there are several sections: 'Details', 'Duplicate Details', 'Additional Details', 'Notes', and 'References'. The 'Details' section contains a table with columns for 'Field Name' and 'Value'. The 'Duplicate Details' section has a table with columns for 'Field Name' and 'Value'. The 'Additional Details' section has a table with columns for 'Field Name' and 'Value'. The 'Notes' section has a text area for 'Notes'. The 'References' section has a table with columns for 'Reference ID', 'Reference Title', and 'Reference URL'. At the bottom, there are buttons for 'Save' and 'Cancel'.

Incident Detail Report

The screenshot shows a web form for an Incident Detail Report. At the top, the report ID 'INF-1284' is displayed. Below this, there are several sections: 'Overview', 'Report source', 'Nature and consequences of incident', 'Additional services involved', and 'MSB entry and applicable categories'. The 'Overview' section has a table with columns for 'Field Name' and 'Value'. The 'Report source' section has a table with columns for 'Field Name' and 'Value'. The 'Nature and consequences of incident' section has a text area for 'Nature and consequences of incident'. The 'Additional services involved' section has a table with columns for 'Field Name' and 'Value'. The 'MSB entry and applicable categories' section has a table with columns for 'Field Name' and 'Value'. At the bottom, there are buttons for 'Save' and 'Cancel'.

Tested Pages

Incident User Guidance

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Help - | Q | Joel Strohmeler -

Home > "Help" > Incident User Guidance

Incident reporting guidance

Please contact wiredsupport@onr.gov.uk if you require any further assistance or need to report any issues with the portal.

Drafting an incident to send to ONR (note this information will be visible to ONR whilst each time you change a field but ONR will only be alerted when you change the "submit" option)

1. Select the incidents option from the top menu
2. Click on the "new Incident" button (this can also be accessed through the top menu)
3. Enter the high-level details of the incident and click on the "Save and continue" button
4. Capture any further details regarding the incident and click "Save" to save your progress

If you have any questions regarding the content of the information on the form, please use the email address above.

Submitting an incident

1. Select the incident options from the top menu
2. Locate either using the filters or by scrolling to the incident you wish to review, click on the downward chevron on the right-hand side of the record and select "Part A"
3. Review and update details of the incident as required and click "Save"
4. Open the incident record, complete the final updates, scroll to the button of the screen, select "Submit incident" to "yes" and click "Save". This will automatically send an email to the correct division within ONR to assign the incident to an inspector to review.

Uploading a FUR

1. Select the incident option from the top menu
2. Locate either using the filters or by scrolling to the incident you wish to review, click on the downward chevron on the right-hand side of the record and select "Documents"
3. Select "add files", choose the appropriate file and select "add files" again
4. Click on "Save"
5. Click the downward chevron against the incident record and select "Documents". You should now be able to see the uploaded document (s).

Exporting a copy of the form to review and distribute

1. Select the incident option from the top menu
2. Locate either using the filters or by scrolling to the incident you wish to review, click on the downward chevron on the right-hand side of the record and select "Timeline and Collaboration"
3. Next to the "Choose File" button, a word document should be available. Click this document should you wish to download it and share.

ONR website
Privacy & cookies

Copyright
Disclaimer
Accessibility

Inspection Detail Report

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Help - | Q | Joel Strohmeler -

Home > Inspections > Inspection summary

IR-05047

Protective marking
OFFICIAL

File
Not Inspection Capable - planned inspection

| | |
|-------------------------------------|-----------------------------------|
| Site Dapford | Lead Inspector * Alan Clark |
| Dutyholder Liam UK | Purpose Number Safety |
| Inspection Start Date 16/11/2022 | Inspection End Date 16/11/2022 |
| Inspection Duration (Days) 1 | |

Site Area / Group
—

Division
Setback & Decommissioning, Fuel & Waste

Sub division
Setback Compliance, Intelligence and Enforcement

Source Of Inspection
—

Inspection Class
Compliance Inspection

System Based Inspection
—

Secondary Class
—

Inspection Activities

Activity 4

LC10
LC09
LC08

Specialisms
None

There are no records to display

Inspection Type

Planned

Documents

Add file New folder

There are no folders or files to display

Notes

Note Text

There are no notes to display

Add note

Save & Close

ONR website
Privacy & cookies

Copyright
Disclaimer
Accessibility

Tested Pages

Search

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Apply List N Status | Create incident | Help - | Q |

Joel Strohmeier -

Home > Search > "a"

| Record Type | |
|-------------|-----|
| All | 114 |
| Web Pages | 114 |

| Modified date | |
|--------------------------------------|-----|
| <input checked="" type="radio"/> All | 114 |
| <input type="radio"/> Today | 0 |
| <input type="radio"/> Past Week | 0 |
| <input type="radio"/> Past Month | 0 |
| <input type="radio"/> Past 3 Months | 20 |
| <input type="radio"/> Past 6 Months | 42 |

Results 1 - 10 of 114 for query: a

- Regulatory Issue
- RI Action
- Ri progress edit
- Inspection Detailed Report
- Inspection Report
- Inspection Scope
- Inspection summary
- Inspections
- Contracting Authority Guide
- Contractor guide

« ‹ › »

2 3 4 5 › »

ONR website
Privacy & cookies

Copyright
Disclaimer
Accessibility


Tested Pages

Profile

Home | Regulatory Issues - | Incidents - | List N - | Inspections | Help - | Q | Joel Strohmeier -

Home > Profile

Profile



Joel Strohmeier

- Profile
- My contacts
- Distribution Groups
- Security**
- Change Password
- Change Emails
- Manage External Authentication

Please provide some information about yourself.
The **First Name** and **Last Name** you provide will be displayed alongside any comments, forum posts, or ideas you make on the site.
The **Email Address** and **Phone** number will not be displayed on the site.
Your **Organization** and **Title** are optional. They will be displayed with your comments and forum posts.

Your Information

| | | | |
|--------------------------|--|-----------------------|--|
| First name * | <input type="text" value="Joel"/> | Last name * | <input type="text" value="Strohmeier"/> |
| E-mail * | <input type="text" value="jstrohmeier@nomensa.com"/> | Business phone | <input type="text" value="07463022260"/> |
| Organization name | <input type="text"/> | Title | <input type="text" value="Test"/> |
| Nickname | <input type="text"/> | Web site | <input type="text"/> |

Public profile copy

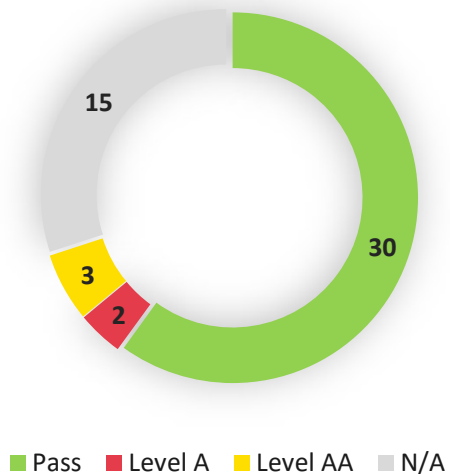
Preferred language

Findings

Findings

Pass/fail for WCAG

- 30 pass
- 2 level A issues
- 3 level AA issues
- 15 not applicable



Note: Not applicable – criteria that are not relevant and do not affect the tested pages.

© Copyright Nomensa Ltd.

Nomensa barrier score

Estimated chance of someone with a disability hitting a barrier they cannot pass:

25%

| Keybd | Mag | Scr | Deaf/Cog |
|--------|--------|---------|----------|
| 5 / 25 | 7 / 25 | 10 / 25 | 3 / 25 |

Findings

We found many positive elements on Office for Nuclear Regulations' Portal as well as some areas that need attention.

Overall it is good to note that some accessibility considerations had been taken into account.

Strengths

- All interactive elements are keyboard accessible
- ARIA Landmarks have been assigned correctly
- Action does not occur automatically without users request

Weaknesses

- Some elements are missing a visible focus indicator
- Sortable tables haven't been marked up correctly
- All pages are not responsive when zoomed in up to 400%

Site-wide Findings

Findings

Keyboard

1. Focus Visible (2.4.7)

Screen Magnifier

2. Reflow (1.4.10)
3. Content on Hover or Focus (1.4.13)

Screen Reader

4. Info and Relationships (1.3.1)
5. Labels or Instructions (3.3.2)

WCAG 2.2

1. Target Size (2.5.8)
2. Focus Appearance (2.4.11)

Keyboard

2.4.7 Focus Visible (AA)

Sighted people using keyboards need to understand where the keyboard focus is on the page in order to interact with the content.

An obvious focus indicator helps people establish where they are located and which parts of the page they can interact with.

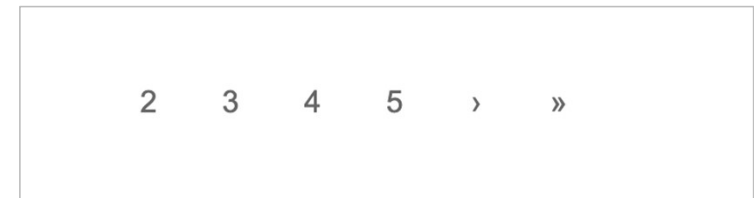
Issue

1. An obvious focus indicator was missing on the pagination. This may make it difficult for sighted people using keyboards to navigate around the page. This was regarding on the following:
2. Pagination ([Search](#))
3. Close button ([Profile](#))

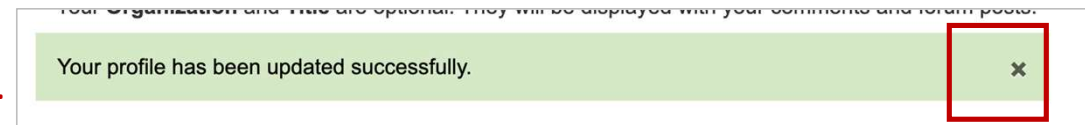
Recommendation

1. Don't remove the default focus indicator, instead add additional styling to make the focus indicator more obvious.
- Ensure the minimum colour contrast for visible focus indicator is met (3:1)

1.



2.



Magnification & Contrast

1.4.10 Reflow (AA)

Allowing the browser zoom function to increase the size of content to 400% without requiring scrolling in more than one direction (horizontal and vertical) helps people with low vision. Content should be able to be presented without loss of information or functionality.

Issue

1. Scrolling occurred in both directions (All pages)

[Impact 3 – Moderate]


Recommendation

1. Ensure the entire page does not scroll in more than one direction. Create a responsive table by using the `overflow:auto` property around the around the `<table>` element so that the table is the only element which scrolls horizontally when zoomed in up to 400%.

Documentation

- [Adrian Roselli – Responsive tables](#)

| Progress Updates | |
|------------------|--------------------------------|
| Name | Dutyholder Update - 22/11/2022 |
| Progress update | Update |
| RAG rating | GREEN |
| Created on | 22/11/2022 2:31 PM |



1.4.13 Content on Hover or Focus (AA)

Additional content should not interfere with viewing or operating original content on the page.

Where additional content that appears and disappears when activated via pointer hover or keyboard, the interaction should be designed in a way that users can perceive the additional content and dismiss it without disrupting their current page journey.

[Impact 4 – Minor]

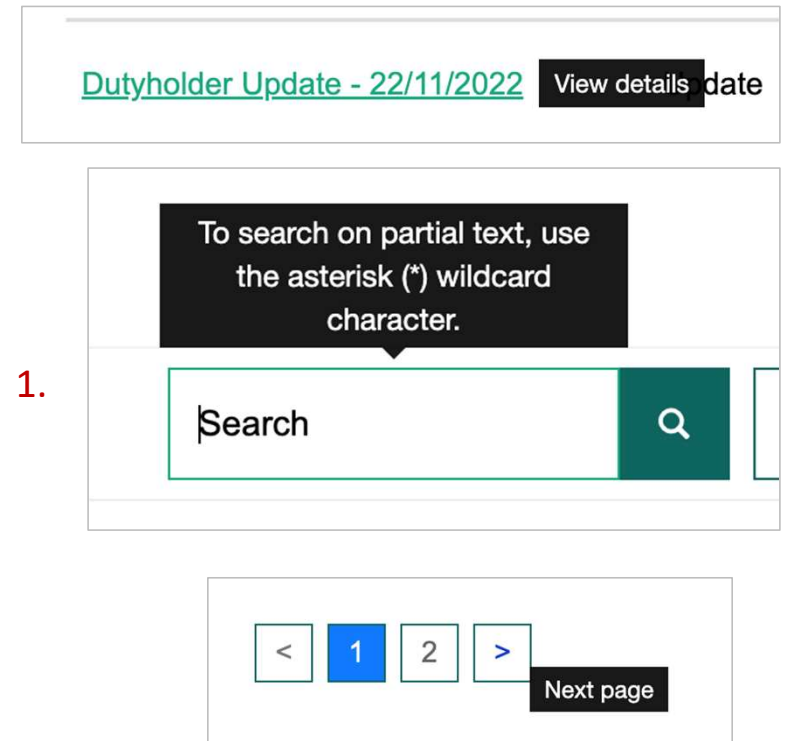
Issue

1. Additional content was provided when users hover over buttons ([Regulatory Issues](#), [Regulatory Detail Report](#), [Inspection Detailed Report](#))

Recommendation

1. Content that appears on hover should be easily dismissible, this can be done by setting the Esc key to close any open sub menus / tooltips.

For short chunks of information, consider using simple static text / labels as opposed to tooltips.



Screen Reader

1.3.1 Info and Relationships (A)

Ensure all information conveyed visually is also conveyed through code or available in text so that blind or partially sighted people can understand the relationships between different areas of content on the page.

Issue

1. Heading levels caused a gap in the structure of the page, people using assistive technologies may rely on headings to understand the structure of the page. Incorrect headings can convey the wrong structure to people using assistive technologies.
2. There's no heading text on the page as the H1 in the underlying code is empty and the visible text has not been assigned a heading role ([Incident User Guidance](#))

[Impact 3 – Moderate]

Recommendation

1. Ensure the visible text 'Incident reporting guidance' has been assigned as an H1 heading

Read our article on [how to structure headings](#).

1.

```
https://wired-uat.powerappsportals.com/help/Incident-Guidance/  
1. 1 heading  
   <h1> (No heading text)
```

1.3.1 Info and Relationships (A)

Issue

1. Sortable tables had not been marked up correctly meaning it was not easy to identify tables are sortable with a screen reader ([Regulatory Issues, Incidents Detail Report](#), [Inspection Detail Report](#))

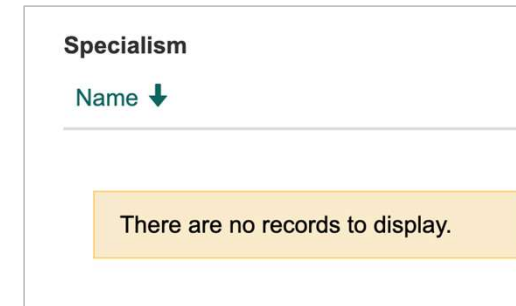
[Impact 3 – Moderate]

Recommendation

1. Provide a caption to inform screen reader users that the table headers are sortable using the `<caption>` element
2. Assign `aria-sort="ascending" / "descending"` to the table headers

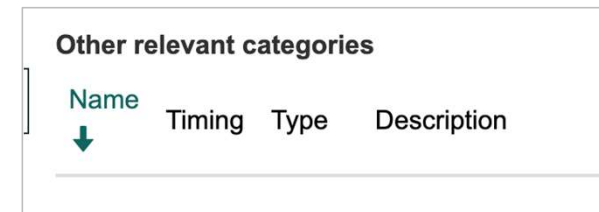
Recommendation

- [Sortable Table](#)



1.

| ONR ID ↓ | Name | Dutyholder | Level | Owner | Division | ONR RAG | Dutyholder RAG | Created on | |
|----------|----------------------------|------------|-------|------------|----------|---------|----------------|---------------------|---|
| RI-10055 | 22/11/2022 Regression | Urenco UK | 3 | Alex Clark | | GREEN | GREEN | 22/11/2022 2:27 PM | ▼ |
| RI-10048 | Visibility of draft test 2 | Urenco UK | 2 | Alex Clark | | GREEN | AMBER | 27/09/2022 10:54 AM | ▼ |
| RI-10047 | Visibility of draft | Urenco UK | 3 | Alex Clark | | AMBER | AMBER | 27/09/2022 10:11 AM | ▼ |



| Organisation ↑ | Dutyholder | Site inspector | Is Authorised Site | Is Nuclear Licensed Site | Emergency planner authority |
|----------------|------------|----------------|--------------------|--------------------------|-----------------------------|
|----------------|------------|----------------|--------------------|--------------------------|-----------------------------|

3.3.2 Labels or Instructions (A)

Provide clear instructions and descriptive labels for form fields to help people understand how to enter information into a web page.


Issue

1. The incident date and time format is provided as a placeholder, however once a user starts typing it disappears, some users may not remember the format and would benefit from a persistent label ([Incident Detail Report](#))

[Impact 3 – Moderate]

Recommendation

1. Ensure the format is not implemented as a placeholder, but also in text either above or under the form field.

1. The screenshot shows a form field with the label "Incident happened" above it. The input field contains the placeholder text "DD/MM/YYYY h:mm A". To the right of the input field is a small calendar icon button. The entire form field is enclosed in a thin black border.

Deafness & Cognitive

Deafness & Cognitive

No issues were found

Best Practices

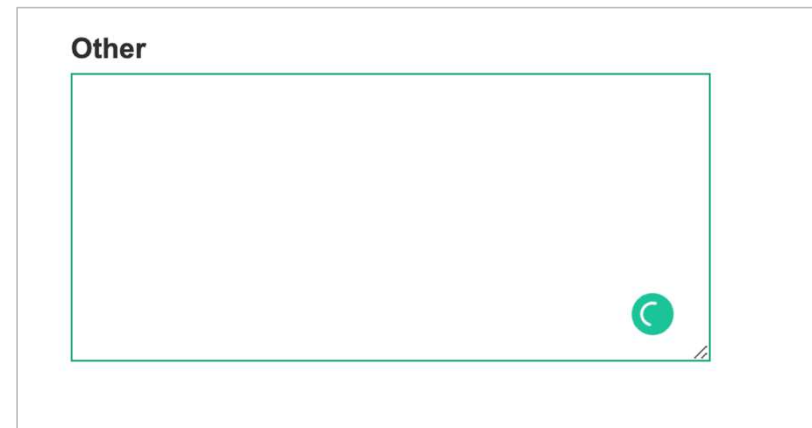
Character Count

Issue

1. Some form fields have a character count, however this is only communicated to people who use screen readers, therefore people who don't use a screen reader are not aware a character count is in place ([Incident Detail Report](#))

Recommendation

1. Ensure the character count information is also described in text underneath the form field.



The image shows a screenshot of a form field. The field is labeled "Other" in the top left corner. The field itself is a large, empty rectangular box with a thin green border. In the bottom right corner of the field, there is a small green circular icon containing a white character count symbol (a 'C' with a horizontal line through it). The entire form field is enclosed in a larger, light gray rectangular frame.

Bypass Blocks

Sighted people can ignore repeated sections of content on a page, however people using assistive technologies often cannot and need more direct access to the main content on the page.

Providing mechanisms to bypass repeated sections of content helps these people reach the main content more easily.

Issue

1. A skip link was not provided meaning it may be more difficult for a sighted person using a keyboard to skip over repetitive areas of the page such as the main navigation. (All pages)

[Impact 4 – Minor]

Recommendation

1. Provide a ‘skip to content’ link, this link should be keyboard accessible and direct users to the main content, skipping the navigation.

Documentation

- <https://webaim.org/techniques/skipnav/>

Skip to main

Home | Regulatory Issues | Incidents | List N | Inspections | Help | Q | Joel Strohmeier

Home > Regulatory Issues

Regulatory Issues

Open Regulatory Issues - Search [] Download []

| ONR ID ↓ | Name | Dutyholder | Level | Owner | Division | ONR RAG | Dutyholder RAG | Created on | |
|----------|--|------------|-------|------------|--|---------|----------------|---------------------|---|
| RI-10055 | 22/11/2022 Regression | Urenco UK | 3 | Alex Clark | | GREEN | GREEN | 22/11/2022 2:27 PM | ▼ |
| RI-10048 | Visibility of draft test 2 | Urenco UK | 2 | Alex Clark | | GREEN | AMBER | 27/09/2022 10:54 AM | ▼ |
| RI-10047 | Visibility of draft | Urenco UK | 3 | Alex Clark | | AMBER | AMBER | 27/09/2022 10:11 AM | ▼ |
| RI-10044 | Regression 09/09/2022 | Urenco UK | 3 | Alex Clark | Sellafield & Decommissioning, Fuel & Waste | AMBER | AMBER | 09/09/2022 7:52 AM | ▼ |
| RI-10043 | Deployment Regression testing 26/08/2022 | Urenco UK | 3 | Alex Clark | | GREEN | GREEN | 26/08/2022 2:39 PM | ▼ |
| RI-10041 | Action issue | Urenco UK | 3 | Alex Clark | Civil Nuclear Security and Safeguards | GREEN | AMBER | 24/08/2022 12:10 PM | ▼ |
| RI-10040 | Another Test issue | Urenco UK | 4 | Alex Clark | | | AMBER | 18/08/2022 11:10 AM | ▼ |
| RI-10025 | Test issue | Urenco UK | 4 | Alex Clark | Sellafield & Decommissioning, Fuel & Waste | GREEN | GREEN | 15/08/2022 1:58 PM | ▼ |

ONR website Privacy & cookies Copyright Disclaimer Accessibility

WCAG 2.2

2.5.8 Target Size (AA)

Ensure targets can be easily activated without accidentally activating an adjacent target. The requirement is for targets to be at least 24 by 24 CSS pixels in size or have equivalent spacing.

Issue

The following elements did not meet the minimum target size requirement:

1. Footer links ([All Pages](#))
2. Table Headings ([Regulatory Issues](#), [Incidents Detail Report](#), [Inspection Detail Report](#))

Recommendation

Increase the size or spacing of both buttons, the minimum requirement is 24 x 24.

Documentation

[Target Size - WCAG 2.2](#)



2.4.11 Focus Appearance (AA)

Ensure a keyboard focus indicator is clearly visible and distinguishable.

A 2px contrasting outline around a focused component is ideal, but the guideline allows for other types of indicator.

Issue

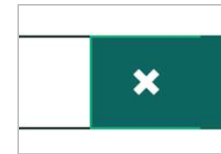
1. The current focus indicator across all pages has a thin border and may be a little difficult for some users to identify. (All Pages)

Recommendation

1. Implement an indicator that has a contrasting 2px thick outline and has a minimum 3:1 contrast ratio

Documentation

[WCAG 2.2 - Focus Appearance](#)



First name *

[ONR RAG](#)

[Download](#)



Thank you

For more information, please contact:

Joss Hutton

jhutton@nomensa.com

© Copyright Nomensa Ltd.