

WCAG Findings

The current WCAG (Web Content Accessibility Guidelines) changes will be affecting in all

ABS (Authentication Based Signing) Embedded signing process. Since these findings has been reported for some of the pages.

There are changes in HTML structure in few pages which is as below.

Change 1:

Technical:

We have removed tabindex attribute which was not allowing tab key to navigate through the page. After removal of tabindex from Signing page, it is allowed to navigate in proper navigation through the page.

The following html structure has update on removing tabindex in document view/listing page.

```
<div class="button_holder">
  <#if (multidoc?has_content)>
    <#if !(documentAccepted?has_content)>
      <button id="pkieid_document_accept_button" disabled="disabled" class="formcontrol" type="submit" name="accept" tabindex="3">
        <span class="glyphicon glyphicon-ok" aria-hidden="true"></span>
        <span class="accept_button_text">
          ${userTexts["button.accept.text"]}
        </span>
      </button>
    </#if>
    <button id="pkieid_document_back_button" class="formcontrol" type="submit" name="back" tabindex="2">
      <span class="glyphicon glyphicon-arrow-left" aria-hidden="true"></span>
      <span class="back_button_text">
        ${userTexts["button.back.text"]}
      </span>
    </button>
  </#if>

<#if documentCache?has_content && docStatus != 14>
  <div class="pdf_document_area" tabindex="0"></div>
  <div class="zoom_button_holder">
    <span id="zoom-icon" class="glyphicon glyphicon-search"></span>
    <button id="zoom_in" onclick="zoomIn();return false" class="glyphicon glyphicon-plus" title="Zoom in document"></button>
    <button id="zoom_out" onclick="zoomOut();return false" class="glyphicon glyphicon-minus" title="Zoom out document"></button>
    <a id="show_as_pdf" href="${pdfUrl}" target="_blank">${userTexts["pdf.showaspdf"]}</a>
  </div>

  <div class="text_area">
    <pre class="pre_textarea" tabindex="0">${documentText}</pre>
  </div>
..
```

```

<#else>
  <button id="pkieid_document_sign_button" disabled="disabled" class="formcontrol" type="submit" name="LoginThisDevice"
    value="Sign" tabindex="2">
    <span class="glyphicon glyphicon-ok" aria-hidden="true"></span>
    <span class="sign_button_text">
      ${userTexts["button.sign.text"]}
    </span>
  </button>
  <button id="document_cancel_button" class="formcontrol" type="submit" name="cancel" value="Cancel" tabindex="3">
    <span class="glyphicon glyphicon-remove" aria-hidden="true"></span>
    <span class="cancel_button_text">
      ${userTexts["button.cancel.text"]}
    </span>
  </button>

```

The following html structure has update on removing tabindex in index page.

```

/ class="button_holder">
<button id="pkieid_document_sign_button" disabled="disabled" class="formcontrol" type="submit" name="LoginThisDevice" value="Sign" tabindex="2"
  <span class="glyphicon glyphicon-ok" aria-hidden="true"></span><span class="sign_button_text">${userTexts["button.sign.text"]}</span>
</button>
<button id="document_cancel_button" class="formcontrol" type="submit" name="cancel" value="Cancel" tabindex="3"
  <span class="glyphicon glyphicon-remove" aria-hidden="true"></span><span class="cancel_button_text">${userTexts["button.cancel.text"]}</span>
</button>
</div>

```

Probably this HTML structure change doesn't require in any custom CSS changes but still needs a check whether custom CSS has any specific to tabindex.

Single Document Signing

Finnish IDs document signing

This PDF document is ready for signing. You must open and read the document before you can proceed:

Document 1

I have read and understood the document.

✔ Sign
✘ Cancel

Signing deadline: 19.11.2024, at 03:25

Name	Signed
Test Øsær	Not signed

The same applies for **Multi Document Signing** as below.

Finnish IDs document signing

Below is a list of documents ready for signing. All documents must be read and accepted before the signing.

Document 1 [Open](#)

Document 2 [Open](#)

✔ Sign
✘ Cancel

Signing deadline: 19.11.2024, at 03:34

Name	Signed
Test Øsær	Not signed

Opening one of the documents from document list, Application navigates to the below page where tab key has been handled here too.

Finnish IDs document signing

This PDF document is ready for signing. You must open and read the document before you can proceed:

Document 1

Accept Back to list

Signing deadline: 19.11.2024, at 03:34

Name	Signed
Test Osair	Not signed

Change 2:

Update in checkbox, consent message field in HTML structure in Document signing page.

Technical:

Previous Implementation:

HTML page has agreement label inside the checkbox input element which showed checkbox as dimmed.

```
<#if documentType == "PDF">
  <div class="agreement_div">
    <input type="checkbox" name="pdf_agreement_check" id="id_agreement_check" class="agreement_checkbox" disabled="disabled"/>
    <label class="agreement_label_blur" id="pdflabel" for="id_agreement_check">
      ${userTexts["agreement.label"]}
    </label>
  </div>
</#if>
<#if documentType == "TXT">
  <div class="agreement_div">
    <input type="checkbox" name="txt_agreement_check" id="id_agreement_check" class="agreement_checkbox" />
    <label class="agreement_label_normal" id="txtlabel" for="id_agreement_check">
      ${userTexts["agreement.label"]}
    </label>
  </div>
</#if>
```

Current updated implementation:

HTML page has checkbox element inside the agreement label which shows agreement text as expected and by clicking agreement text, checkbox gets checked.

```
<#if documentType == "PDF">
  <div class="agreement_div">
    <label class="agreement_label_normal">
      <input type="checkbox" name="pdf_agreement_check" id="id_agreement_check" class="agreement_checkbox" disabled="dis
      ${userTexts["agreement.label"]}
    </label>
  </div>
</#if>
<#if documentType == "TXT">
  <div class="agreement_div">
    <label class="agreement_label_normal">
      <input type="checkbox" name="txt_agreement_check" id="id_agreement_check" class="agreement_checkbox" />
      ${userTexts["agreement.label"]}
    </label>
  </div>
</#if>
```

Document consent page is not as expected in some of the custom CSS after the update of Checkbox and consent field update in HTML structure, some HTML elements are missing after update few are listed below and there might be other CSS too.

There might be an update in custom CSS according to current HTML structure change.

Change 3:

Screen reader reads text into pieces, this has been fixed by removing inline span which is in document signing page.

Technical

Removed inline span and made the whole text into single span which helps screen reader to read the whole sentence.

Current Structure:

```
<#else>
  <span class="body" id="pkieid_document_body">${userTexts["prefix.subtitle"]}
    &nbsp;<span class="highlight">${userTexts["pdf.document"]}</span>
    ${userTexts["pdf.suffix.subtitle"]}
  </span>
```

```
<#if documentType == "TXT">
  <span class="body" id="pkieid_document_body">
    ${userTexts["prefix.subtitle"]} &nbsp;<span class="highlight">${userTexts["text.document"]}</span>
    ${userTexts["text.suffix.subtitle"]}
  </span>
```

Updated Structure:


```
<span class="body" id="pkieid_document_body">
  ${userTexts["prefix.subtitle"]} ${userTexts["pdf.document"]} ${userTexts["pdf.suffix.subtitle"]}
</span>
```

```
<#if documentType == "TXT">
  <span class="body" id="pkieid_document_body">
    ${userTexts["prefix.subtitle"]} ${userTexts["text.document"]} ${userTexts["text.suffix.subtitle"]}
  </span>
```

The highlighted text below pages for PDF and TEXT document type comes under single span in document list page.

Finnish IDs document signing

This PDF document is ready for signing. You must open and read the document before you can proceed:

 Doc 1

I have read and understood the document.

Signing deadline: 20.11.2024, at 10:27

Name	Signed
Test Ösær	Not signed

Finnish IDs document signing

This TEXT document is ready for signing:

Document title: tittel åæøÄ/ÈØ

The Nets E-Signing service produces both a SDO and a PAdES file as the result of a digital signing process.

Signing deadline: 20.11.2024, at 10:29

Name	Signed
Test Ösær	Not signed

Change 4:

External links for Documents and Attachments are not marked correctly.

Screen reader doesn't say that the links open in new window/tab and external link icon is missing.

"opens in new window" icon will be shown besides the link if it opens in external window/tab through CSS style to apply graphics icon.