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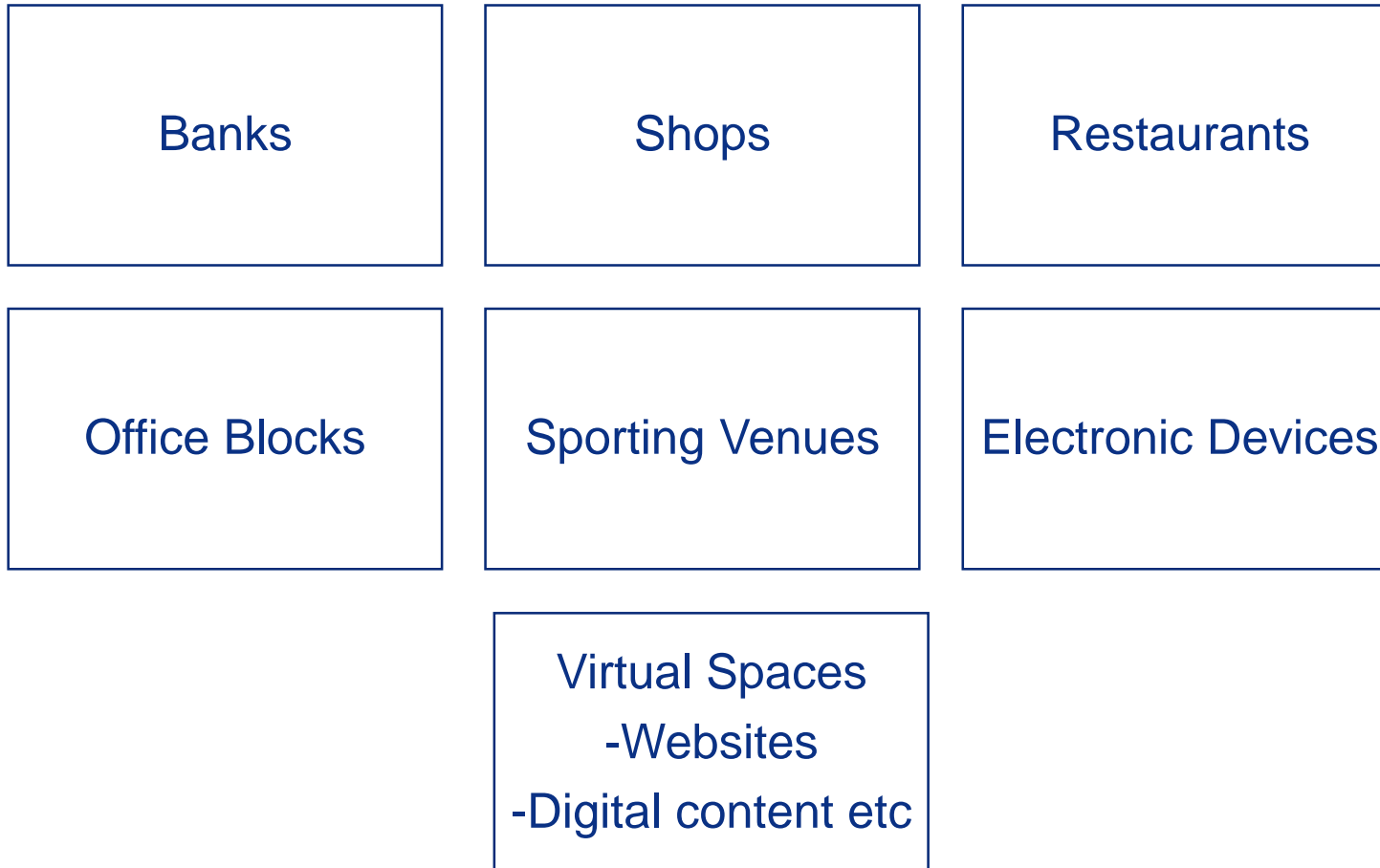
Ensure Accessibility Compliance on your Digital Communications

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What is Accessibility?

Simply making spaces and things available and usable for everyone or as many people as possible.



Some Statistics

On average nearly 1 in 5 of the entire US population and over 30% of the US workforce have a disability

8 percent of children under 15

21 percent of people 15 and older

17 percent of people 21 to 64

50 percent of adults 65 and older



Why is this important?

- It's a large and significant population
- Demonstrates good ethics and morals
- Makes your products more usable by other groups, like mobile users
- Do I need to be compliant?

If you are a business in the United States, the answer is most likely yes.

What is ADA, WCAG, 508?

ADA - ADA requires that **businesses, state and local governments, and nonprofit services providers** make accommodations for the **disabled public** to access the same services as able-bodied patrons.

WCAG - WCAG is simply a set of formal guidelines on how to develop accessible web content. These standards represent a higher level of accessibility than 508 standards, although they are identical or very similar. **WCAG focuses primarily on HTML accessibility.**

All 3 standards have a same goal to **make electronic and information technology accessible to people with disabilities** (e.g., color blindness, vision disabilities, hearing disabilities) in a way that is comparable to the access available to others

Technical Requirements: The coding of a website, software, operating system, etc needs to be compatible with assistive technologies.

Function Requirements: The entire system should be usable by someone with a disability.

Support Requirements: Support documents and alternative information should also be accessible by people with disabilities.

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508 – Section 508 requires that accommodations be made for federal employees and members of the public with disabilities who wish to access **government Information and Communications Technology**

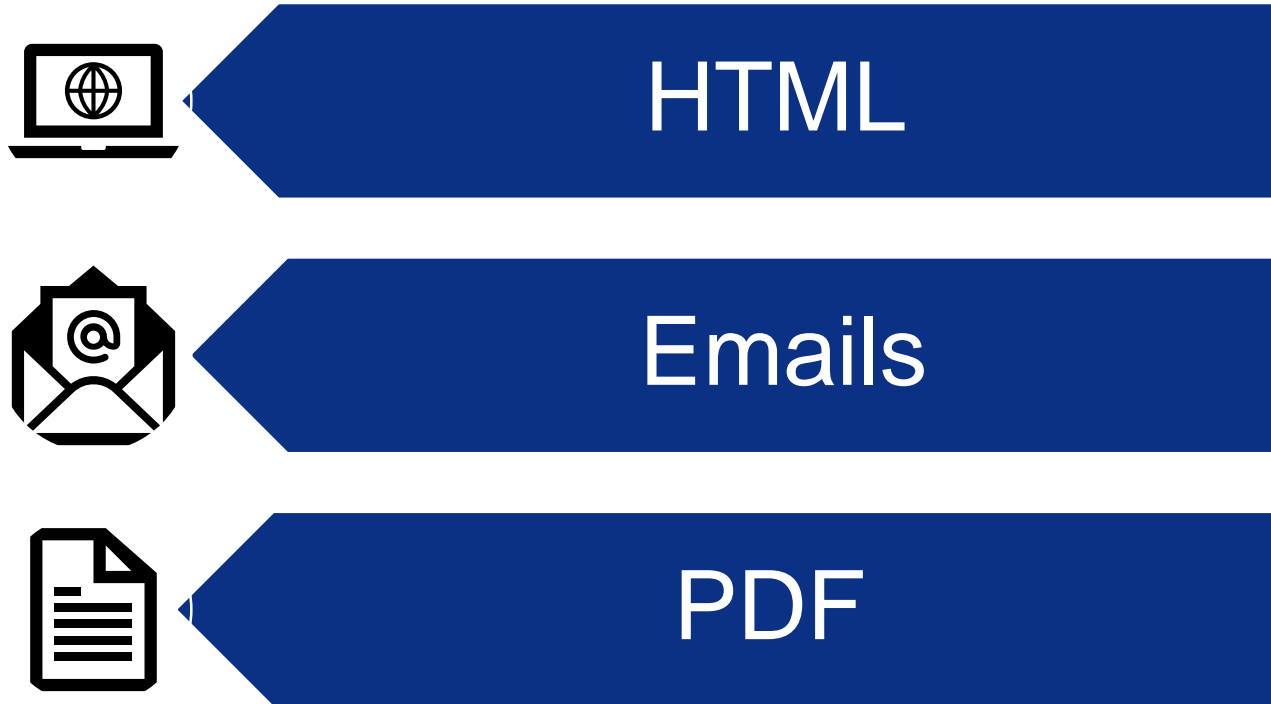
- Requires agencies to provide equal access to Electronic information and data.
- It's a technical requirement.
- Allows organizations to be more open , accessible while being competitive in the industry.

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Accessibility in SmartCOMM

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Digital Delivery Formats



How to enable Accessibility for generated PDF

- Smart Communications supports reading tools for the visually impaired thus ensuring PDF output is compliant with accessibility laws including section 508 of the U.S. Rehabilitation Act.
- To enable accessibility you will need to modify the fop.xconf property file.
- Add the following line:
`<accessibility>true</accessibility>`

So the first part of your fop.xconf would look something like the following:

```
12 <fop version="1.0">
13   <accessibility>true</accessibility>
14   <!-- Base URL for resolving relative URLs -->
15   <base>.</base>
16   <!-- don't need font base for now
17 <font-base>cms://Conf/Fonts/</font-base> -->
18   <!-- Source resolution in dpi (dots/pixels per inch) for determini
19   <source-resolution>96</source-resolution>
20   <!-- Target resolution in dpi (dots/pixels per inch) for specify
21   <target-resolution>300</target-resolution>
22   <!-- Default page-height and page-width, in case
23 value is specified as auto -->
24   <default-page-settings height="11in" width="8.26in"/>
25   <break-indent-inheritance>true</break-indent-inheritance>
```

Confirm that it works?

If you see a tagged PDF its working!

Now the readers like JAWS can read the content of the PDF to the visually impaired.

Advanced

PDF Producer: Smart Communications

PDF Version: 1.5 (Acrobat 6.x)

Location: C:\Project_documents\Innovate-2019\
File Size: 44.42 KB (45,487 Bytes)

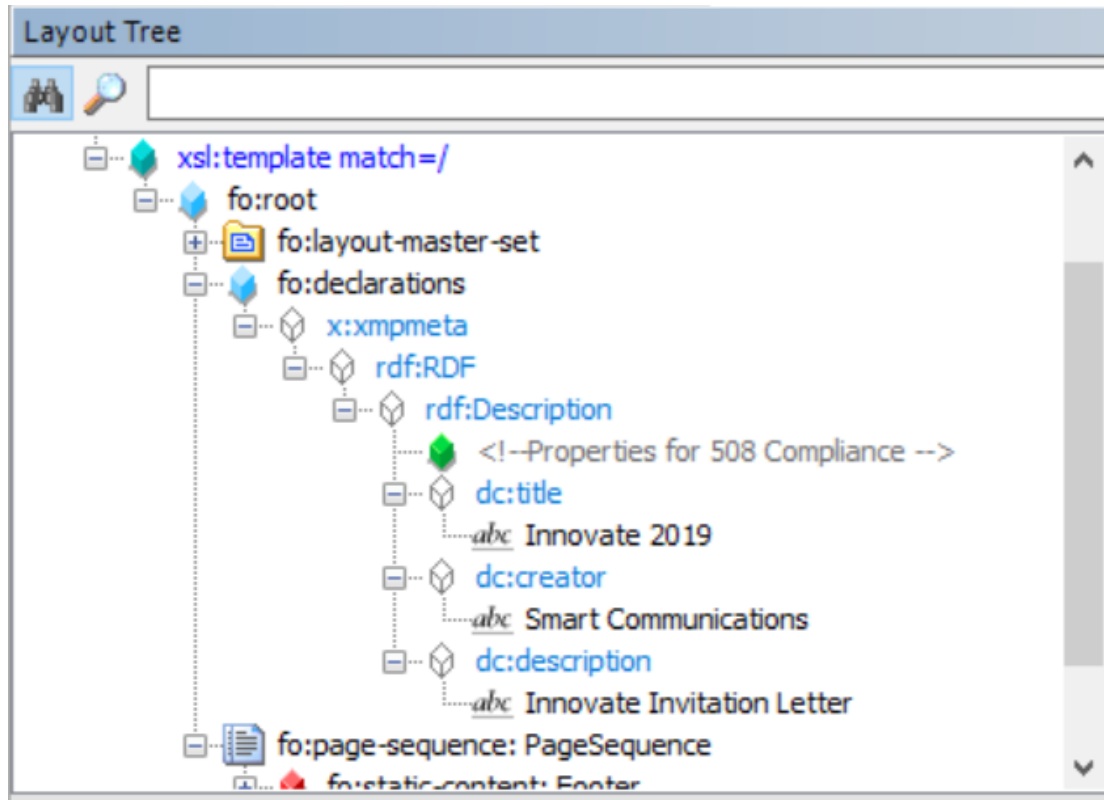
Page Size: 8.50 x 11.00 in Number of Pages: 2

Tagged PDF: Yes Fast Web View: No

Help OK Cancel

Layout

For PDF outputs, metadata attribute must be placed in a fo:declaration section



```
<fo:declarations xmlns:fo="http://www.w3.org/1999/XSL/Format">
<x:xmpmeta xmlns:x="adobe:ns:meta/">
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-
syntax-ns#">
<rdf:Description rdf:about="" xmlns:dc="http://purl.org/dc/elements/1.1/"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">
<!--Properties for 508 Compliance-->
<dc:title>Innovate 2019</dc:title>
<dc:creator>Smart Communications</dc:creator>
<dc:description>Innovate Invitation Letter</dc:description>
</rdf:Description>
</rdf:RDF>
</x:xmpmeta>
</fo:declarations>
```

To allow for tagged tables:

- Set the Custom attribute fox:header=true
- Ensure all headers in your output has designated header levels – this provides structure and aid in content navigation
- Level 1(H1) for major sections, H2 or H3 for sub levels

Properties

Name
Header-2

Set as default Paragraph style

Type
Paragraph

Heading Level
1

Description
Helvetica 9pt ,bold

- Proper styles need to be applied to the headings of the sections

- Tables

-Layout tables- Organize content (style property)- apply a custom attribute called “Role” with a value “P”. (Table, ROW, and cell style)

-Data tables (use multipart tables)

	Header 1	Header 2	Header 3
Row 1			
Row 2			
Row 3			

-Distinct Header , Body and Footer rows

- OBJR tags appear for each URL

Shared Content



The entire table must be wholly contained in a single shared content.

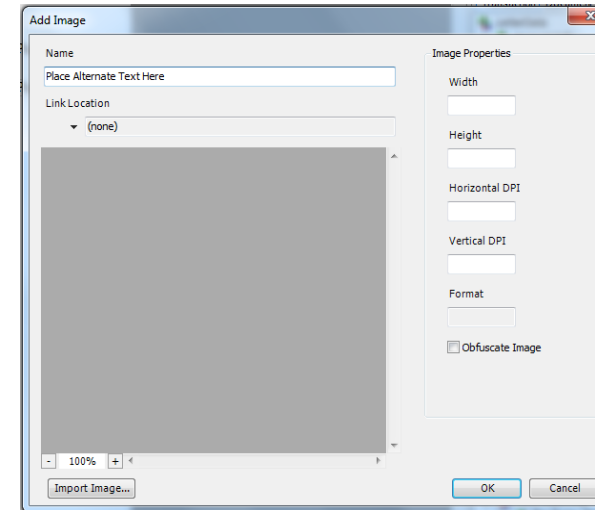
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Overlays and Accessibility

- Will pass Full PDF accessibility check
- None of the text on the imported pdf or iPDF will be read.
- Only the data placed on the overlay through SmartCOMM will be read out loud.

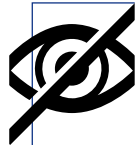

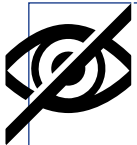
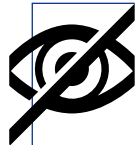








Other Considerations

- Bulleted list
- Indentation
- Table treatments/Tags
- Images must have **alternate text** associated with it. +



- Size of output
- Artifacts: any Graphic that are not part of the main body of content
 - Page Headers
 - Footers
 - Horizontal lines and spacers

Accessibility Checklist

 Alternative text	 Accessible Multimedia	 Structuring content
 Distinguishable	 Keyboard accessibility	 Movement
 Navigation	 Page language	 Behaviour
 Errors	 Parsing	 Accessible Interfaces

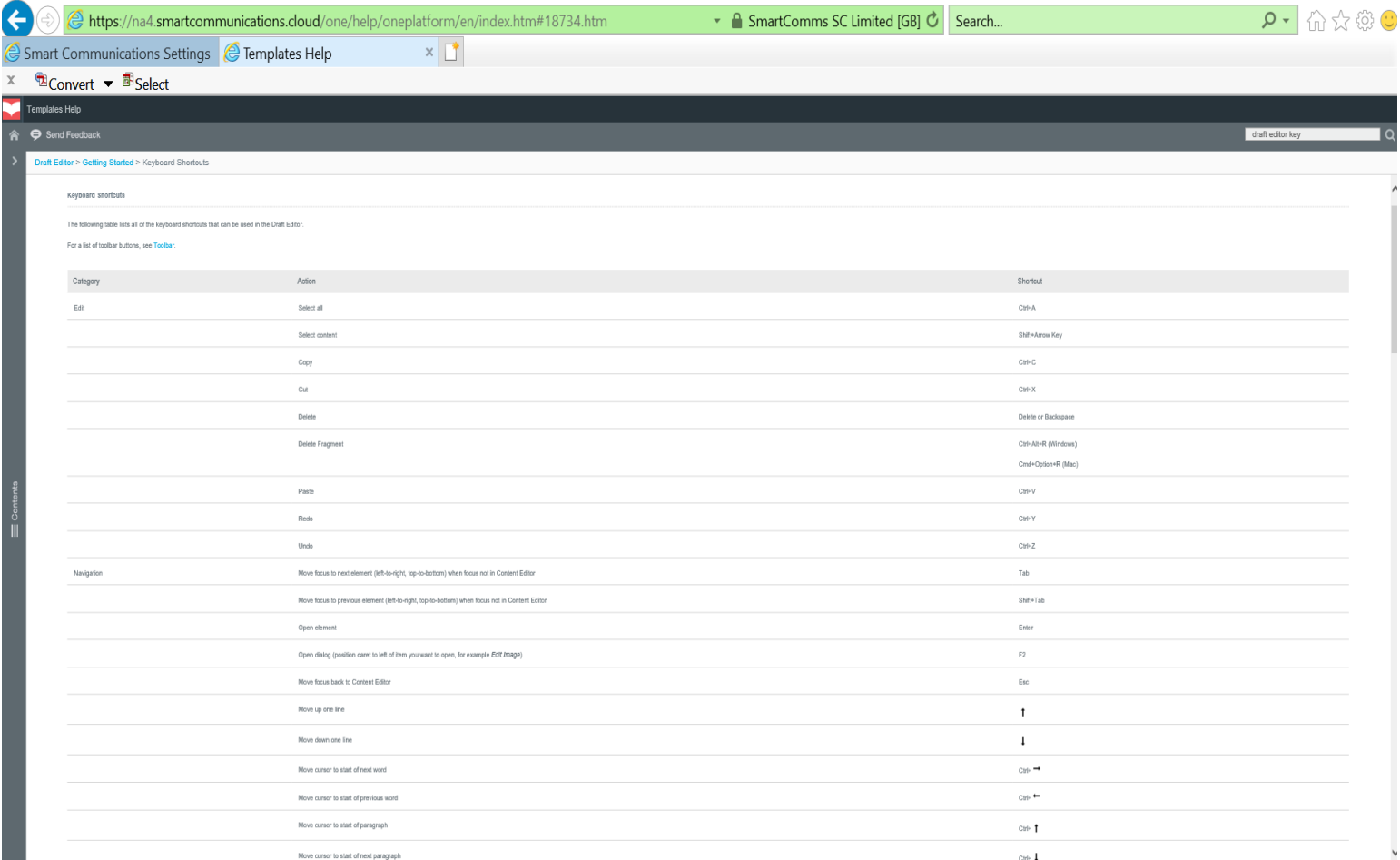
Assistive Readers and Testing Tools



SmartCOMM Interfaces.

Draft Editor/ ATD

- Keyboard shortcuts 



Keyboard Shortcuts

The following table lists all of the keyboard shortcuts that can be used in the Draft Editor.
For a list of toolbar buttons, see [Toolbar](#).

Category	Action	Shortcut
Edit	Select all	Ctrl+A
	Select content	Shift+Arrow Key
	Copy	Ctrl+C
	Cut	Ctrl+X
	Delete	Delete or Backspace
	Delete Fragment	Ctrl+Alt+R (Windows) Cmd+Option+R (Mac)
	Paste	Ctrl+V
	Redo	Ctrl+Y
	Undo	Ctrl+Z
	Navigation	Move focus to next element (left-to-right, top-to-bottom) when focus not in Content Editor
Move focus to previous element (left-to-right, top-to-bottom) when focus not in Content Editor		Shift+Tab
Open element		Enter
Open dialog (position caret to left of item you want to open, for example <i>Edit Image</i>)		F2
Move focus back to Content Editor		Esc
Move up one line		↑
Move down one line		↓
Move cursor to start of next word		Ctrl+→
Move cursor to start of previous word	Ctrl+←	
Move cursor to start of paragraph	Ctrl+↑	
Move cursor to start of next paragraph	Ctrl+↓	



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Thank You

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