HAN_ UNIVERSITY
OF APPLIED SCIENCES

ACCESSIBILITY QUICKSCAN MAPCOMPLETE

July 2023

1   INTRO

This report presents the results of an accessibility quickscan. During a quickscan we check for the most common accessibility issues, according to the international WCAG 2.1 guidelines, level AA. We test if the product is usable with assistive devices or with keyboard only.
A quickscan doesn't cover all accessibility criteria and is therefore not a replacement for an official audit.

Scope of this quickscan

OS & browser used: Windows, Firefox
URLs checked:
- https://mapcomplete.osm.be/
- https://mapcomplete.osm.be/cyclofix.html

2   ISSUES

Nr	Problem	Location	Guideline
1	The contrast between foreground and background is not sufficient for all gray subheaders and the placeholder in the search bar.	homepage	1.4.1
2	The language selector doesn't have a name (label). Screenreaders need these to know what the element is and does.	homepage	4.1.2
3	On mobile devices zooming is disabled, but WCAG requires users to be able to zoom in and out.	homepage	1.4.5
4	Subtitles are no longer completely visible when zooming in 400%.	homepage	1.4.10
5	Buttons don't have name (label) so the screenreader doesn't know what the button is for.	Cyclofix main	1.3.1
6	Functional images and icons such as the hamburger menu don't have describing (alt) texts.	Cyclofix main	1.1.1
7	The map doesn't have a visible focus.	Cyclofix main	
8	The focus is sometimes not around the element but under it.	Cyclofix main	2.4.7
9	The background layer options don't have a visible focus.	Background layers	2.4.7
10	Keyboard: you can't select items on the map such as water points. Maybe a design like VRBO would work here (having a list on the side with all the POIs)	Cyclofix main	2.1.1
11	The edit button in changing a POI doesn't have a name (label)	Bike parking edit	4.1.2

12	Form elements have missing labels. Placeholder text is not allowed as label. See also the forms tutorial under Chapter 3: References	Bike parking edit	1.3.1
13	Form: options for bike rack are read out twice. The radio button is not grouped with the image and text.	Bike parking edit	1.3.1
14	Form: missing label for 'this is a bicycle parking of the type'	Bike parking edit	1.3.1

3 REFERENCES

- Web Content Accessibility Guidelines (WCAG) Overview
- How to Meet WCAG 2.1 Quick Reference
- HAN NGI website
- HAN article: Free Tools For Accessibility Testing
- W3C Forms tutorial
- Tips for map accessibility