



Zugang für alle
Accès pour tous
Accesso per tutti
Access for all

Accessibility Workshop

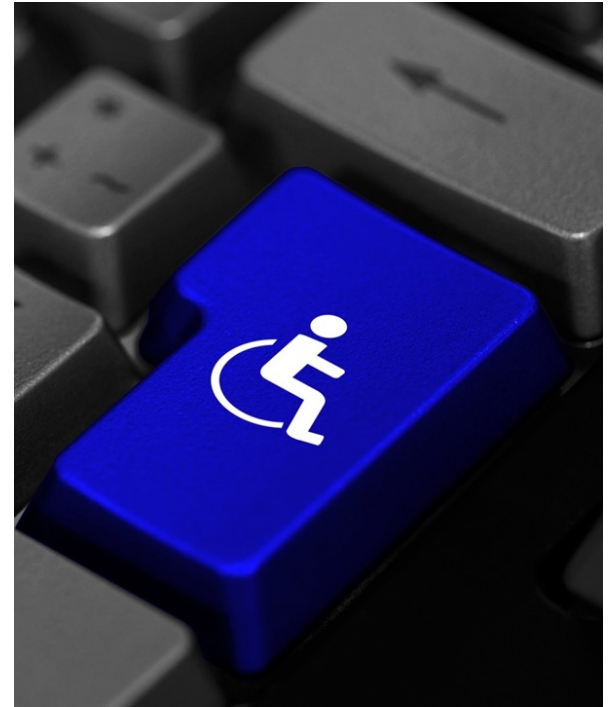
Web Content Accessibility Guidelines

Thinh-Lay Wonesky, Foundation “Access for all”

Wednesday, 8 December 2021

Agenda

- Introduction
- Web Content Accessibility Guidelines
- Accessibility Checklist
- Accessibility Developer Guide





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Introduction



Think-Lay Wonesky
Accessibility Consultant



About me

Think-Lay Wonesky is an Accessibility Consultant at „Access for all“ and is also responsible for marketing and communication. She joined the team again in July 2021 and previously worked for „Access for all“ from 2011 to 2012.

In addition to her work at „Access for all“, she is a freelance consultant for accessible content and copywriter, and she studies media informatics.

She lives in Pennsylvania in the U.S. and is a mother of two girls.

About “Access for all”

01

Mixed Team

Of the 8 employees, about half have a disability themselves.

02

Expert training

We offer internships and apprenticeships, for people with and without disabilities.

03

Independent and non-profit

We are 100% self-financed.

Competence Center for Digital Accessibility

The purpose of the foundation “Access for All” is to promote accessibility - taking into account all types of disabilities.

We are also the only organization in Switzerland that certifies accessible websites.

People with disabilities in Switzerland

Source: Federal Statistical Office



22.5% of the Swiss population 16 or older has a disability.

25.2 %



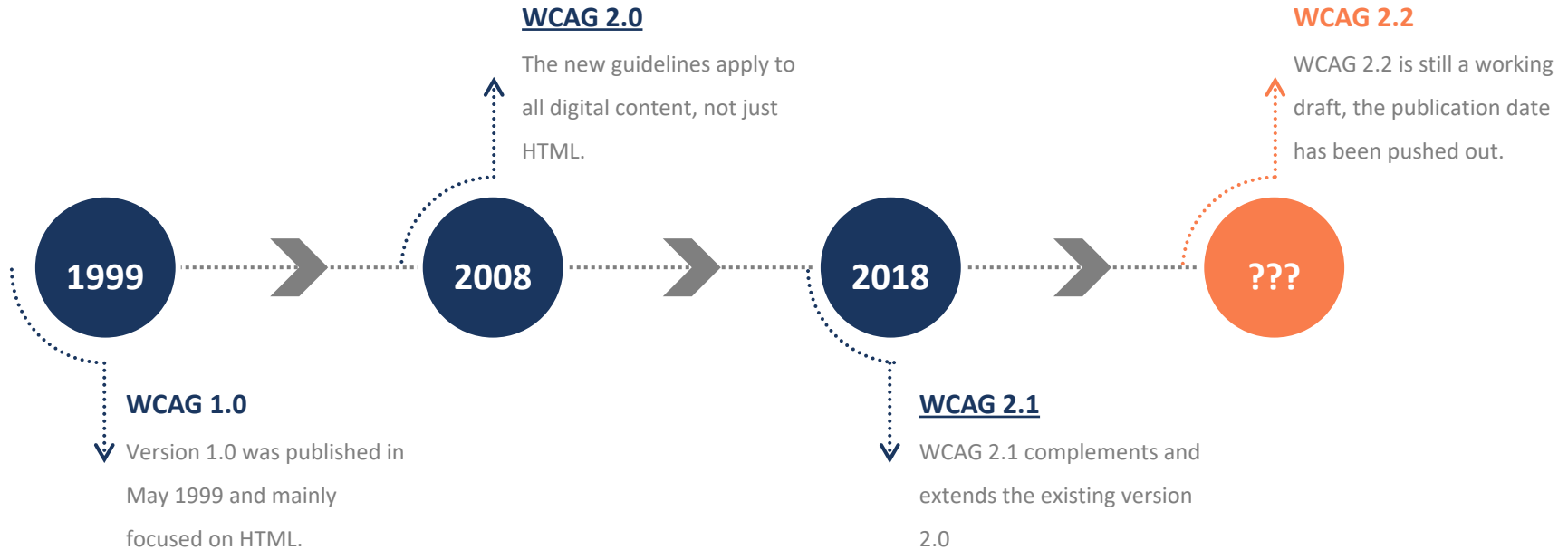
19.8%

Web Content Accessibility Guidelines



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History of WCAG

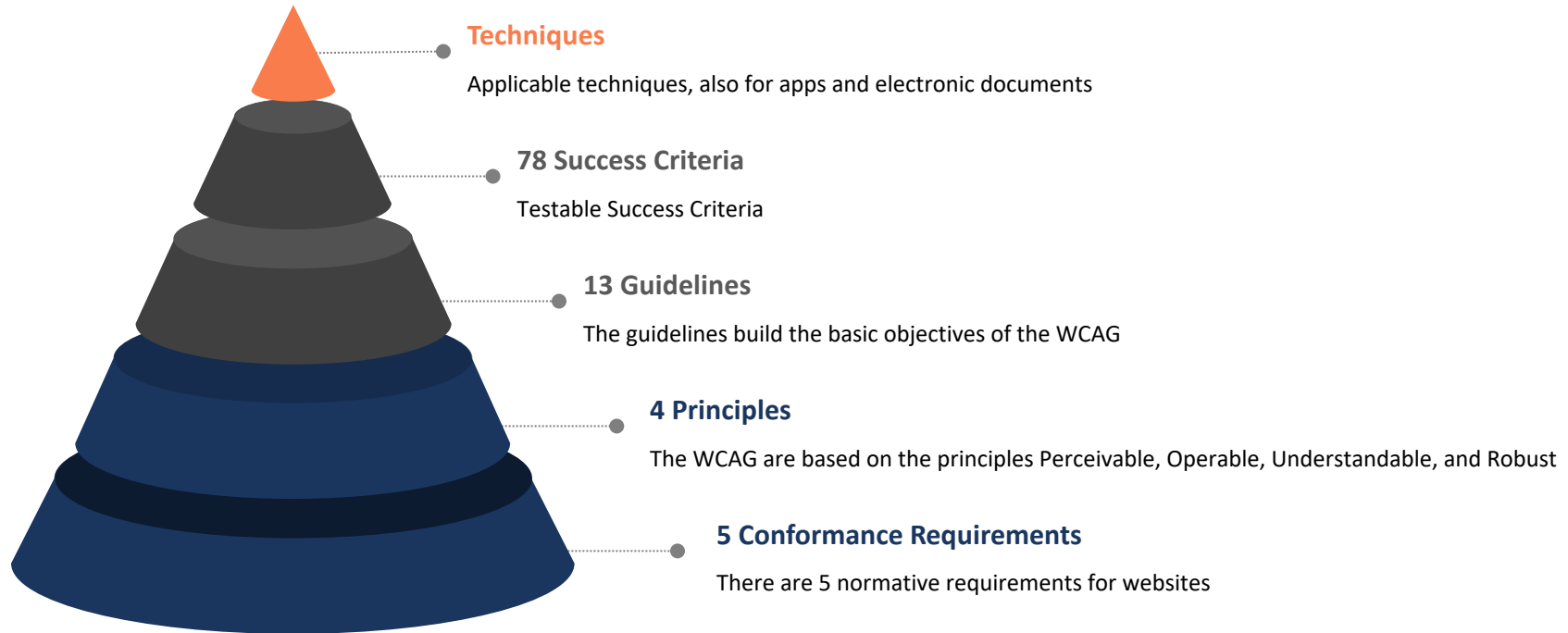


WCAG: Guidelines for accessible content

- The WCAG are international guidelines.
- Current version: WCAG 2.1
- Includes requirements of different needs groups (visual, auditory, motor, cognitive).
- Many government guidelines reference WCAG 2.1, conformance level AA.



WCAG 2.1: International Guidelines



5 Conformance Requirements



Conformance Level

One of the following levels A, AA, or AAA is met in full.

Full Page

Conformance is for full Web page(s) only, and cannot be achieved if part of a Web page is excluded.

Complete Processes

If a website is part of a multi-step process, all parts of the process must be accessible.

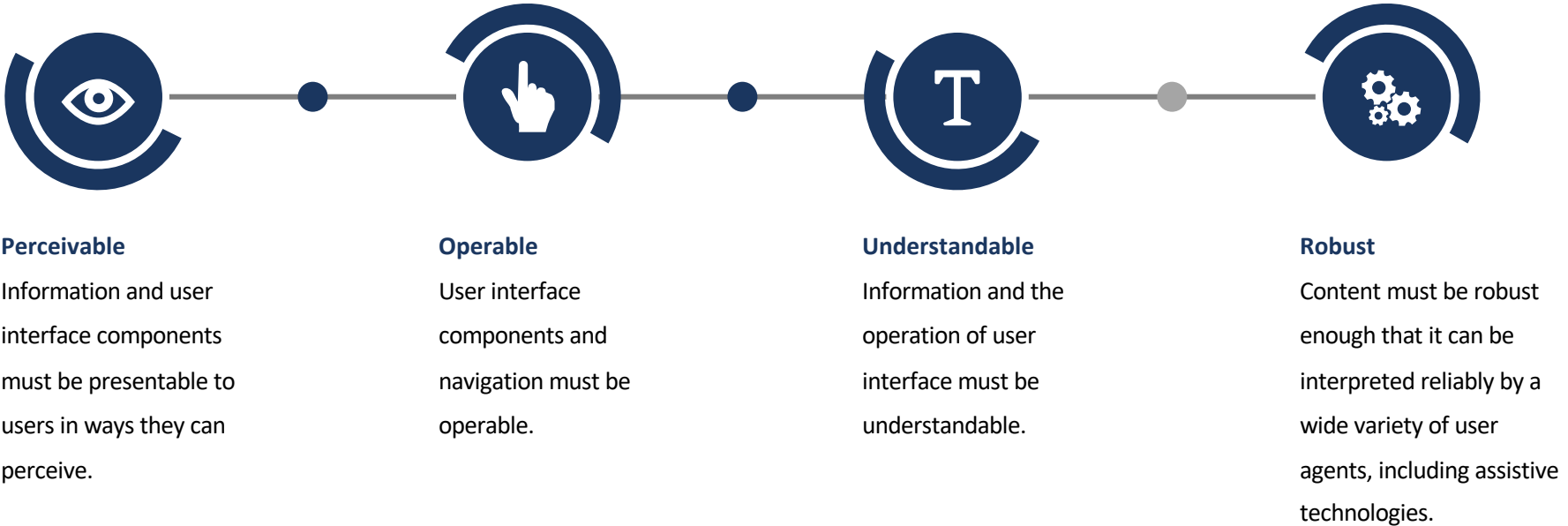
Only Accessibility-Supported Ways of Using Technologies

All applied techniques support accessibility.

Non-Interference

Techniques used must not interfere with the use of the website.

4 Principles



13 Guidelines

The 13 guidelines provide the basic goals that authors should work toward in order to make content more accessible to users with different disabilities. The guidelines are not testable, but provide the framework and overall objectives to help authors understand the success criteria and better implement the techniques.

Examples:

- **Text Alternatives:** Provide text alternatives for any non-text content so that it can be changed into other forms people need
- **Adaptable:** Create content that can be presented in different ways (for example simpler layout) without losing information or structure.

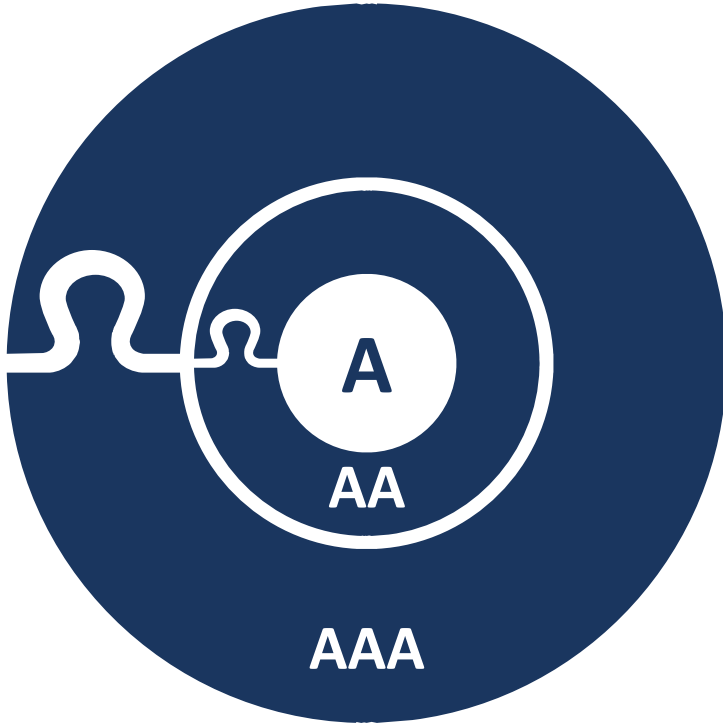
78 Success Criteria

For each guideline, testable success criteria are provided to allow WCAG 2.1 to be used where requirements and conformance testing are necessary. In order to meet the needs of different groups and different situations, three levels of conformance are defined: A (lowest), AA, and AAA (highest).

Examples:

- **Success Criterion 1.3.1 Info and Relationships:** Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.
- **Success Criterion 1.4.3 Contrast (Minimum):** The visual presentation of text and images of text has a contrast ratio of at least 4.5:1

Conformance Levels



- A: Basic requirements
- AA: Requirements for good accessibility
- AAA: Additional Requirements

Most effort occurs at level A.

It is not recommended to strive for conformance at Level AAA, as it may not be possible to meet all Level AAA success criteria for some content.

Techniques

The techniques are informative and fall into two categories: those that are sufficient for meeting the success criteria and those that are advisory. The advisory techniques go beyond what is required by the individual success criteria and allow authors to better address the guidelines. Some advisory techniques address accessibility barriers that are not covered by the testable success criteria.

Example:

- **Ensuring that users are not trapped in content:**
Ensuring that the keyboard function for advancing focus within content (commonly the tab key) exits the subset of the content after it reaches the final navigation location.

Accessibility Checklist



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Accessibility Checklist

- [Accessibility Checklist \(German\)](#): This practice-oriented checklist supports you in assessing the state of your digital content. The target group for the accessibility checklist includes design, development, and content teams as well as quality control managers and project managers.
- [WUHCAG Web accessibility for developers \(English\)](#): Free WCAG Checklist by Luke J McGrath.





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Accessibility Developer Guide

Accessibility Developer Guide

- An initiative of "Access for all"
- www.accessibility-developer-guide.com
- Free online resource, entirely in English
- Launched in June 2018

**AD
G*** ACCESSIBILITY
DEVELOPER
GUIDE

In cooperation with:



- Providing actionable knowledge
 - Introducing screen readers (setup/configuration, operation)
 - Setup of a test environment (test tools)
 - Sample accessible implementations (incl. code)

Contact us



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Friedheimstrasse 8, 8057 Zürich, Switzerland



+41 44 515 54 20



contact@access-for-all.ch



access-for-all.ch

