

# who am i?

- adam solomon
- developer ministry of education
- questions at [adamsolomon2@gmail.com](mailto:adamsolomon2@gmail.com)
- invited expert web accessibility committee standards institution
- invited expert wcag wg

# rock stars

- check this out: [wcag theme song](#)
- Done a while ago with screen reader software by member of wcag wg

# what is wcag 2

- wcag: web content accessibility guidelines
- now in version 2
- basis for accessibility standards and laws for many countries including our own
- wcag wg: the working group who write and maintain the guidelines

# what is wcag 2

- sorry, no new version in the near future
- why not?
  - backwards compatibility, new version means non-compliance for companies
  - resources and manpower
  - conflicts
- applies to all web content (via http:// or https:// etc. protocols
  - excel, pdf, word, etc.

# what is wcag 2

- multiple layers
  - normative and informative
  - success criteria
  - understanding, techniques, failures
- only normative is real
  - so techniques are sufficient but not required
- failures are scarce nowadays
  - images and alt

# what is wcag 2

- 3 levels of conformance
  - ‘a’: basic – without it simply not accessible
  - ‘aa’: for most web content this is suggested
  - ‘aaa’: reach for the stars (even though you probably won’t get there in this lifetime)
- numerous factors involved in level determination
  - does it affect all web content? are there alternatives?
  - 1.4.1 vs. 1.4.3 use case
  - headings: 1.3.1 (semantics), 2.4.1 (h69), 2.4.6 (only if present), 2.4.10 (only at ‘aaa’)

# what's next? extensions

- extensions
- additional layer to wcag 2
- choose your weapon
- an extension must be more stringent, not less
  - i.e. an extension could say double 'a' criterion is now single 'a' but not vice versa

# what's next? extensions

- each institution or legal body chooses its standard, maintain backwards compatibility
- no specific extensions have been drafted yet
- main focus: the triple-braided cord is not easily broken (Ecclesiastes 4:12)
  - cognitive
  - low vision
  - mobile



# extensions: low vision

- suggested higher contrast ratio, maybe at single a
- suggested doing away with minimum contrast because of light sensitive users, in favor of “providing mechanism to change contrast” (requires technology, plugins, similar to what happened with browser zoom)
- suggested no horizontal scroll at double a – this means responsive web pages are mandatory at this level

# extensions: cognitive

- lots of research (by our very own lisa seaman – kol hakavod!)
- numerous disorders included such as down's syndrome, dementia, dyslexia
- issues include making web content more easily understood, simpler (problem: we don't want to make it childlike for those users who benefit from more advanced content)
- extra validation
- things like timed events would be a no-no
- nothing concrete yet

# extensions: mobile

- wcag 2 does cover mobile to a great extent
- document mapping current wcag 2 to mobile exists
- issues to be raised include touch: possible extension might be mandatory touch functionality similar to keyboard requirement, as well as minimum size for touch area
- pinch zoom, orientation of your choice

# links

- [extensions](#)
- [mobile](#)
- [low vision](#)
- [cognitive](#)
- [mobile mapping](#)

# finally

- to infinity and beyond: user customization with flexible content
- semantics will be primary as technology develops
- go back to sleep