



Web Accessibility Issues,  
or  
the “Correct Needle in the  
Correct Haystack”

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# Issue?

- Reduced choices
- Reduced flexibility
- Convenience vs. a “must have”

# Like....

Smorgasbord for-

- Someone with no dietary restrictions - but preferences

Vs.

- Someone with a severe peanut allergy

# Information Technology and Assistive Technology

## Constraints:

- Reduced flexibility due to a mismatch between the available resources and the tasks to be accomplished
- Task: Translation of many languages, some secret, with source material in many locations and sometimes hidden.
- Communication and the location of information must be consistent and open.

# Accessible Content

## Transformation

- Can this transform in the way I need it to transform?

## Alternatives or Equivalents

- Is there an alternative but equivalent presentation of this inaccessible information?

# IMS Accessibility Working Group

- Learner Information to support accessibility or “ACCLIP”
- Metadata to support accessibility or “ACCMD”
- Soon to address:
  - Learning Design and Content Packaging

# ACCLIP

## Accessibility for LIP (Learner information Package) or ACCLIP

- How do I want/need things to be displayed?
- How do I want/need things to be controlled?
- What content alternatives, equivalents or helpful tools do I want/need?
- In what context?

# Accessibility Metadata (ACCMD)

- Open collaboration with other Metadata specifications groups
- Extensions to existing specifications
- Application Profile for accessibility
  - Including restricted vocabularies



# ACCMD

Information about:

1. Conformance to accessibility standards
2. Can it transform? (with specific information about how well)
3. Information that corresponds to ACCLIP
  - What type of content is it?
  - Can it transform in the necessary way?
  - Is there an equivalent for it? Or is it an equivalent?
  - Is it an enabling tool? What kind?

# ACCMD

- Specify semantics, syntax and behaviour relative to accessibility metadata to make the work of assistive technologies possible

# Authoring of Accessibility Metadata

## TILE Project

- Integrated, unconscious authoring
- Automatic authoring
  - Aprompt
  - Generate necessary EARL statement

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With the correct tool used in the correct way, it is possible to find almost anything...

If it exists.

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[Http://atrc.utoronto.ca](http://atrc.utoronto.ca)

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