

**ITU-EBU Joint Workshop on Accessibility to
Broadcasting and IPTV ACCESS for ALL
(In cooperation with the EU project DTV4All)
Geneva, 23 – 24 November 2010**

W3C Standards and Guidelines



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W3C Web Accessibility Initiative (WAI)

One of five domains of W3C to pursue accessibility for people with disabilities:

- Reviews W3C standards such as HTML for accessibility throughout production
- Maintains web accessibility guidelines for developers and other practitioners
- Coordinates internationally with web accessibility research and development

Web Content Accessibility Guidelines (WCAG)

W3C standard that defines accessibility requirements for websites and tools:

- Includes requirements for interactive web applications, services, and media
- Promotes an inclusive design-for-all to improve ease-of-use for everyone
- Requirements are independant of the web technology or the delivery channel

Web Accessibility Principles

- **Perceivable** – any visual and auditory information, including multimedia
- **Operable** – functionality such as controls, navigation, and transactions
- **Understandable** – predictable and simple instructions and functionality
- **Robust** – compatible with the broadest possible platforms and technologies

Examples of the Applicability of WCAG to IPTV

- **Perceivable** – resizable text, captions, audio descriptions, sign language, ...
- **Operable** – remote control, interactive menus, customizable timeouts, ...
- **Understandable** – dialogs, TV guides, instructions, error messages, ...
- **Robust** – interface with other devices such as assistive technologies, ...



Interdependency with IPTV Providers and Set-Top-Boxes

Several technological components need to work together for accessibility:

- Hardware accessibility of the devices, including the remote controls
- Operating system that provides core accessibility functionality and APIs
- Content developed with accessibility considerations from the start

Implementation Challenges

Some of the key challenges to facilitate IPTV accessibility include:

- Diverse landscape of hardware devices, operating systems, bandwidth, ...
- Documentation of accessibility support across the different systems
- Awareness raising and training for manufacturers and content providers

W3C work on IPTV

About to start:

- Workshop in Sept 2010
- Presentation to our members in Nov
- Charter being developed by staff
- WAI dependency

Thank You



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