A Case Study on W3C and the ISO/IEC JTC 1 PAS Process

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Overview

- Agenda
  - World Wide Web Consortium (W3C)
  - W3C as a JTC 1 PAS Submitter
  - Web Services Standards
  - Web Content Accessibility
  - PAS Status Renewal and Outlook
The World Wide Web Consortium (W3C)

- Rapidly growing
  - over 380 Member organizations
- Leads the Web to its full potential
  - open standards principles
  - design principles include web for all, web on everything
- Standards development through working groups
  - working draft; last call; candidate recommendation; proposed; standard
- Exploration through community groups and business groups
The World Wide Web Consortium (W3C)

- Open Web Platform
  - HTML5
  - cross-device, cross-platform
  - rich media, apps
  - privacy, security, identity, accessibility, multilingual
  - 75% of developers plan to use
  - already in use for mobile
W3C as a JTC 1 PAS Submitter

- **W3C approved as a PAS submitter** November 2010
  - Publicly Available Specification (PAS)
  - Benefits to Web community in [W3C PAS FAQ](#)
  - Procedure for ISO/IEC JTC 1 transposition
  - Quality (testability, stability, etc.), consensus

- **Internal W3C process**
  - Conceptual framework and selection process
W3C Web Service Standards achieves PAS status

- First set of W3C PAS submissions January 2011
  - background [Web Services PAS Explanatory Report](#)
  - package of [eight Web Services specifications](#)
  - software systems that support interoperable machine-to-machine interactions over a network

- Jointly announced by ISO and W3C September 2011
  - [ISO announcement](#) of Web Services PAS acceptance
  - [W3C announcement](#) of Web Services PAS acceptance
Eight W3C Web Services Standards in PAS Status

- W3C SOAP Version 1.2 Part 2: Adjuncts (Second Edition)
- W3C SOAP MTOM (Message Transmission Optimization Mechanism)
- W3C Web Services Addressing 1.0 - Core
- W3C Web Services Addressing 1.0 - SOAP Binding
- W3C Web Services Addressing 1.0 - Metadata
- W3C Web Services Policy 1.5 - Framework
- W3C Web Services Policy 1.5 - Attachment
Web Accessibility Initiative (WAI)

- Web Accessibility Initiative (WAI)
  - www.w3.org/WAI
  - multi-stakeholder consensus
  - industry, disability, government, research

- Standards harmonization is key to an accessible web
  - complementary standards & guidelines
  - web content; authoring; browsers, media players, mobile
Accessibility Ecosystem on the Web

- Web content
- Authoring Tools
- User Agents
- WAI-ARIA
- Technology layers
- Evaluation
- Education, outreach, research
Extensive WAI Resources for WCAG 2.0

- Web Content Accessibility Guidelines 2.0 Overview
  - 2008 press release and testimonials
  - WCAG 2.0 standard
  - WCAG 2.0 at a Glance
  - How to Meet WCAG 2.0: A Customizable Quick Reference
  - Techniques for WCAG 2.0
  - Understanding WCAG 2.0
  - multiple W3C authorized translations of WCAG 2.0
WCAG 2.0 submission for JTC 1 PAS

- Submission is consistent with intended W3C PAS benefits
  - increase adoption, coordination, harmonization
  - decrease fragmentation
  - PAS submission via WCAG 2.0 Explanatory Report

- For WCAG 2.0 in particular
  - increase unified market for supporting tools
  - increase cost-effective uptake and implementations
WCAG 2.0 PAS status

- **Web Content Accessibility Guidelines 2.0**
  - authoritative accessibility standard for Web content
  - addresses a broad range of user requirements
  - addresses web pages, content, websites, web applications

- **Anticipated joint announcement by ISO and W3C Oct 2012**
  - WCAG 2.0 will remain freely available from W3C
W3C Outlook as PAS Submitter

- W3C applied for renewal as PAS Submitter August 2012
- W3C reviewing selection of next W3C standards to submit