Can Browser Standardization Work for Mobile?

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• Founded and directed by Tim Berners-Lee

• Consortium, 350 members (Alcatel, AT&T, Ericsson, DoCoMo, Orange, Microsoft, Nokia, Samsung, Telecom Italia, O2, T-Mobile, Vodafone, …)

• Standards: XML, HTML, Semantic Web, VoiceXML, Web Services …
Standards Success

• Criteria
  – Key players involved in creation
  – Critical mass of deployment
  – Sufficient level of conformance

• Desktop: This can take a while! (CSS, Ajax, …)

• Mobile is faster?
Ongoing

• Device Access and Policy
• Geolocation
• HTML5
• W3C Widgets
Device Access

- Completing Functionality of Web Runtime
  - Messaging
  - Camera
  - ...
- Includes access policy
- Key players: BONDI, Nokia, Mozilla, Access, Samsung, Sony Ericsson, ATT, Vodafone, SK Telecom, …
Geolocation

- Browser access to latitude, longitude, ...
- Key players: Google, Opera, Vodafone, Microsoft, Mozilla, Samsung, ...
- Deployment: Chrome, Firefox, Safari, Opera, ...
- Started only in Q4 08
- Standard expected Q1 2010
HTML5

• HTML as application platform
  – Offline storage, operation
  – Video, Canvas
  – ...

• Key players: Many!

• Deployment: Chrome, Safari, Opera, ...
W3C Widgets

• Downloadable Web App
  – Packaging HTML, Javascript, CSS
  – Signing

• Key players: Vodafone, Nokia, Microsoft, Opera, Google, OMTP, Access, SK Telecom, AT&T, …

• Deployment: Access, BOND1, Microsoft, Opera, Vodafone, …

• Standard progressing well
Conformance

- W3C browser compatibility test
- Widget test workshop
- W3C automated testing
- mobileOK checker

Web Compatibility Test for Mobile Browsers (WCTMB)

Stable release ($Revision: 1.47 $)

Tested using Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.1.3) Gecko/20090824 Firefox/3.5.3 (.NET CLR 3.5.30729).
Positive Outlook

• Key players involved
• Early implementations point towards fast deployment
• Increased focus on conformance
• Standards success looks promising!
Getting Involved

• Join W3C!
• Participate/follow working groups
• Contribute to test suites
• Follow W3C Mobile Web Initiative
  http://www.w3.org/mobile
• Contact: ph@w3.org