QTI Update: Past, Present & Future

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The Four Cycle Process

Activity Selection Process

Presentation Process

Task/Evidence Composite Library

Assessment/section Processing

Item Response Processing

Administrator

Examinee

Summary Feedback

Item Level Feedback
## Historic Perspective

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>QTIv1.0</td>
<td>June 2000</td>
<td>Original QTI release.</td>
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<tr>
<td>QTIv1.2</td>
<td>Feb 2002</td>
<td>Addition of Results Reporting, Selection &amp; Ordering of Sections, Outcomes Processing for Tests.</td>
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<tr>
<td>QTIv1.2.1</td>
<td>Mar 2003</td>
<td>Set of corrections to the QTIv1.2 release.</td>
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<tr>
<td>QTIv2.0</td>
<td>Jan 2005</td>
<td>New QTI Item model. Based upon XHTML. Reworking of question structures using new set of Interactions.</td>
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<tr>
<td>QTIv2.1</td>
<td>Jan 2013</td>
<td>Full QTI reworking to include Tests and Section. New support for QTI Metadata, Results Reporting and Usage Data Statistics.</td>
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<tr>
<td>QTIv2.2</td>
<td>May 2015</td>
<td>Expected Release Date.</td>
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QTI v2.2 Functional Breakdown

- Assessments, Section and Items
- QTI-Specific Metadata
- Results Reporting
- Usage Data and Statistics
New in QTIv2.2

• Exchange of Shared Stimulus
• Support for some HTML5 features
• Accessibility – ARIA and SSML
• Internationalization – Ruby and BIDI
• Sundry new elements inc. MathML3
• Range of bug fixes
Custom Interactions & PCI

• Custom Interaction
  – QTI extension point to enable customised interactions to be incorporated (namespace)

• Portable Custom Interaction (PCI)
  – A best practice method that allows an author to define an almost unlimited variety of custom interaction types
  – Provides custom interaction methods (JavaScript)
  – Defines the rendering engine behavior
  – Defines the XML to be inserted within the custom interaction body
  – Separate documentation release April 2013
APIP (2010-2015)

• Accessible Portable Item Protocol
  – To provide accessible Assessments
  – Start with IMS QTI and add support for users with physical and learning disabilities
  – Core part of the USA Race To The Top Assessment (RTTA) projects
APIP 1.1

• Aligning APIPv1.0 with the full QTIv2.2
QTI/APIP Profiles

• Providing support for conformance of products, services, tools and content

• APIP-based
  – Partnership for Assessment of Readiness for College and Careers (PARCC)
  – Smarter Balanced Assessment Consortium (SBAC)

• QTI-based
  – Dutch Education Profile
aQTI

• 3rd Generation QTI
• Full end-to-end Test/Item delivery
  – Authoring-to-Delivery-Results Reporting
  – Transformationless
  – Services-based
  – Full accessibility-aware/support
• Initial solution delivered in mid-2017
Call for Participation

To be successful in creating aQTI, we need as many Members as possible to help prototype the proposed solutions
Questions & Comments