

ePortfolio Specifications and Standards

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Why open standards?

- Portability
- Interoperability
- Semantics
- Independence

Standards Dimensions

- Data models (the nouns)
- Communications protocols (the verbs)

Some of the Players

- IMS Global Learning Consortium
 - <http://www.imsglobal.org/>
- Open Knowledge Initiative (OKI)
 - <http://web.mit.edu/oki/>
- HR-XML Consortium
 - <http://www.hr-xml.org/>
- Internet Engineering Taskforce
 - <http://www.ietf.org/>
- Internet 2 Middleware Project
 - <http://middleware.internet2.edu/>

Interoperability Requirements

- Learner information
- Documents and collections
- Assessment data
- Security
- Workflow / pedagogy
- Portfolios

Learner Information

- IMS Learner Information Profile (LIP)
 - UK Learner Profile mapping:
<http://www.cetis.ac.uk/profiles/uklip>
 - Reusable Definitions of Competencies and Educational Objectives (RDCEO)
- HR-XML
 - Education History
 - Employment History
 - Competencies

Documents

- PDF archival (PDF/A)
- XML, XLS style sheets, and XSTL transformation
- XHTML

Collections

- IMS Learning Resource Meta-data
- IEEE Learning Object Metadata (LOM)
- IMS Content Packaging
- OKI filing



Assessment Data

- IMS RDCEO
- IMS Question and Test Interoperability (QTI)



Security

- Authentication and Authorization
 - IMS Enterprise
 - Internet2 Shibboleth (EDUPERSON)
 - OKI authorization and authentication
- Digital Signature
 - RFC 3275: XML signature
 - PDF/A



Workflow / Pedagogy

- IMS Learning Design
- OKI workflow



Portfolios

- IMS ePortfolio SIG
- CETIS / JISC ePortfolio Group
- OKI - Open Source Portfolio Initiative collaboration



IMS and ePortfolios

- ePortfolio SIG formed, May 2003
- Use cases collected and charter under development
- Focus on portability
- If charter is approved, profile of existing specifications early to mid-2004
- Updates to existing specifications starting late 2004



UK ePortfolio Group

- Center for Educational Technology
Interoperability Standards, Center for Recording
Achievement
- Profiling and extending LIP to represent
 - UK transcript
 - Personal development records
 - European transcript



OKI-OSPI ePortfolio work

- OKI and OSPI developers collaborating on an ePortfolio open service interface definition (OSID)
- Focus is on enterprise integration
- “A digital repository with a purpose”