

Pedagogy and Learning Technology Standards

CETIS: an introduction and overview

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What are educational technology standards and specifications?

Standards and specifications that are designed to facilitate learning activities, learner information and the description, packaging, sequencing and delivery of educational content,— ‘e-learning’

Why?

To facilitate ‘interoperability’

Who is developing educational technology interoperability standards & specifications?

- IMS Global Learning Consortium
- Advanced Distributed Learning (ADL)
- European Centre for Standards/Information Society Standardisation System Learning Technologies Workshop (CEN/ISSS WS-LT)
- Dublin Core Metadata Initiative
- Institute of Electrical and Electronic Engineers (IEEE) Learning Technology Standards Committee (LTSC)
- International Standards Organisation (ISO) Sub Committee 36 (SC 36)

What do educational technology interoperability standards & specs do? (i)

- Plan educational scenarios and formulate instructional design
 - IMS Learning Design, IMS Simple Sequencing
- Enable users to search for, locate and retrieve appropriate content
 - DCMI, IMS & IEEE Metadata, IMS Digital Repositories
- Deliver educational content tailored to learners' requirements
 - IMS Learning Design, IMS Simple Sequencing, ADL SCORM.

What do educational technology interoperability standards & specs do? (ii)

- Create and deliver computer aided assessments
 - IMS Question and Test Interoperability
- Share content between systems
 - IMS Content Packaging, ADL SCORM
- Record and share learner information
 - IMS Learner Information Packages (LIP), IMS Competencies, IMS Enterprise
- Ensure educational content is accessible to all users
 - IMS Accessibility, W3C WAI

CETIS: Supporting the UK FE/HE community

- Centre for Educational Technology Interoperability Standards.
- Funded by the Joint Information Systems Committee (JISC) since 1997.
- Supports UK higher and further education.
- Supports JISC programmes and initiatives.
- Represents UK HE/FE on international educational standards initiatives, e.g. IMS, CEN/ISSS.
- Advises universities and colleges on the strategic, technical and pedagogic implications of educational technology standards.
- Manages 8 Special Interest Groups (SIGs).

CETIS co-ordination with other groups

- New UK members of IMS
 - Ufl
 - SUfl
 - BECTa
 - eUniversity
- UK ADL Partner Lab
- Metadata for Education Group (MEG)
- Vendors
- Others

The CETIS Groups

- Accessibility SIG
- Assessment SIG
- Educational Content SIG
- Learner Information Packaging (LIP) SIG
- Enterprise SIG
- Metadata and Repositories SIG
- FE Focus Group
- Pedagogy Forum

Why do we need a Pedagogy Forum?

As IMS notes:

"The development of a framework that supports pedagogical diversity and innovation, while promoting the exchange and interoperability of e-learning materials, is one of the key challenges in the e-learning industry today".

http://www.imsglobal.org/learningdesign/ldv1p0pd/imslid_bestv1p0pd.html

Why do we need a Pedagogy Forum?

- e-learning specifications are moving up from the infrastructural level and beginning to directly impact on pedagogical issues
- important that the e-learning standards meet educational needs as well as fulfilling technical requirements
- we need to generate a meaningful dialogue with those whose focus is on pedagogy.

Further information about CETIS

The CETIS website: <http://www.cetis.ac.uk>

Hosts websites for all the SIGs, FE Focus and Pedagogy Forum.

Regular updates of latest developments in the field of educational technology standards & specs.

Links, definitions of terms, calendar, contacts, etc.

Described by The Technology Source as:

“Probably the most comprehensive and current site devoted to educational technology interoperability standards, the CETIS Web site is an essential resource for anyone working in the fields of learning objects or learning content management systems.”

How to get involved in the Pedagogy Forum

- Pedagogy Forum Meetings – held approximately every 3 months
- Check out the web site:
<http://www.cetis.ac.uk/pedagogy>
- Contact the Coordinator, Lisa Corley:
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01204 903851
- Join the discussion / mailing list:
<http://www.jiscmail.ac.uk/lists/CETIS-PEDAGODY.html>

Questions?