

An Overview of e-Learning Standards: Strengths and Weaknesses

Dr James Dalziel

Executive Director, WebMCQ Director - Online Learning Solutions &

Senior Lecturer, Institute for Teaching and Learning, University of Sydney

james@webmcq.com

Overview of Presentation

- Introducing e-Learning standards
- Why have standards for e-Learning?
- What e-Learning standards can and can't achieve
- Current e-Learning standards work in Australia and internationally
- The future of e-Learning standards (inc DRM)
- The role of standards in successful e-learning development and implementation
- Case study: The "COLIS" project



/w.webmcg.com

w.webmcg.com

MA

Introducing e-Learning Standards

Welcome to acronym soup!

- AICC (training focussed, since early 90s, arose from US aviation training, originally pre-Web)
- IMS (education & training, late 90s, arose from US higher education, many standards, Web)
- SCORM (training focussed, late 90s, arose from US military, uses AICC & IMS, Web)
- IEEE (official standards body, recently approved "LOM" - Learning Object Metadata, from IMS)
- EdNA (Australian education body, late 90s, uses own subset of IMS, Dublin Core & other elements)
- Other more general standards (XML, etc)

What's the great thing about standards?

There are so many to choose from!



aww.webmcg.com

Why have e-Learning standards?

• Depends on your sector

- AICC/SCORM relevant for corporate/government training
- IMS relevant for education (HE, VET, K-12)
- · 3 key reasons to consider standards
 - Re-usability of courseware (applies to both 3rd party and custom developed courses)
 - Avoid being locked to a single Learning Management System
 - Take advantage of good practice instatiated in standards requirements
- However, standards are still evolving!



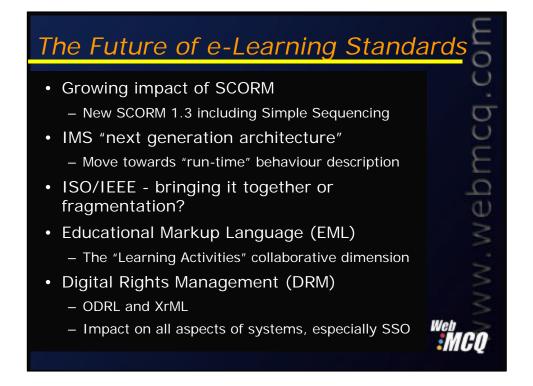
ovww.webmcg.com

Australian and O/S standards work

CON

w.webmcg

- Australia:
 - IMS Australia (at Macquarie University)
 - EdNA
 - Standards Australia IT-019-01 committee
 - Digital Rights Management (DRM) ODRL
- Overseas:
 - ISO/IEEE "LOM"
 - IMS (various standards esp Content Package)
 - AICC from aviation industry
 - SCORM from US military
 - CEN/ISSS European standards
 - EML Open University of the Netherlands

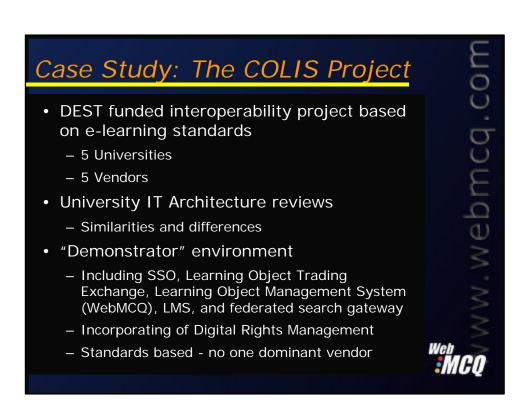


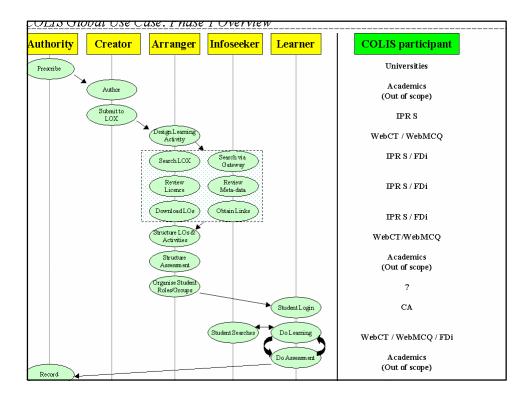
The role of standards in success

- (1) Become aware of them and their importance to e-learning implementation
- (2) Ensure your Learning Management System (LMS) is standards compliant
- (3) Question anyone who says their LMS is standards compliant

w.webmcg.com

- Find out exactly what they mean which standards, to what extent, are they certified?
- Eg, you cannot be IMS certified (no agency)
- (4) Ensure courseware is standards-based
 - Both 3rd party and custom developed courses







An Overview of e-Learning Standards: Strengths and Weaknesses

Questions?

Dr James Dalziel

