



Interoperability Standards in Universities & Schools

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Key Points

- **Interoperability Standards agenda in Australia situated within**
 - an environment receptive to the benefits of ICT in education – & a long history in distance education
 - a well-developed collaborative framework
- **Online services & projects developed at national level** (EdNA, AICTEC)
 - involves all education & training authorities
- **Schooling sector managed to pursue major project at whole-of-sector level**
- **Universities collaborate as members of consortia** (COLIS, ATN, AARLIN, OLA, U21)

Aims

- To develop high-quality **reusable** online curriculum content, suitable for Australian & New Zealand schools
- To support distributed access
- To stimulate commercial contributions to the pool of material

Agreed Specifications

- Content quality
- Curriculum mappings
- Metadata application profile
 - Administrative
 - Technical
 - Educational
 - Accessibility
 - Rights
- Distribution chain
- Testing environment (BELTS)

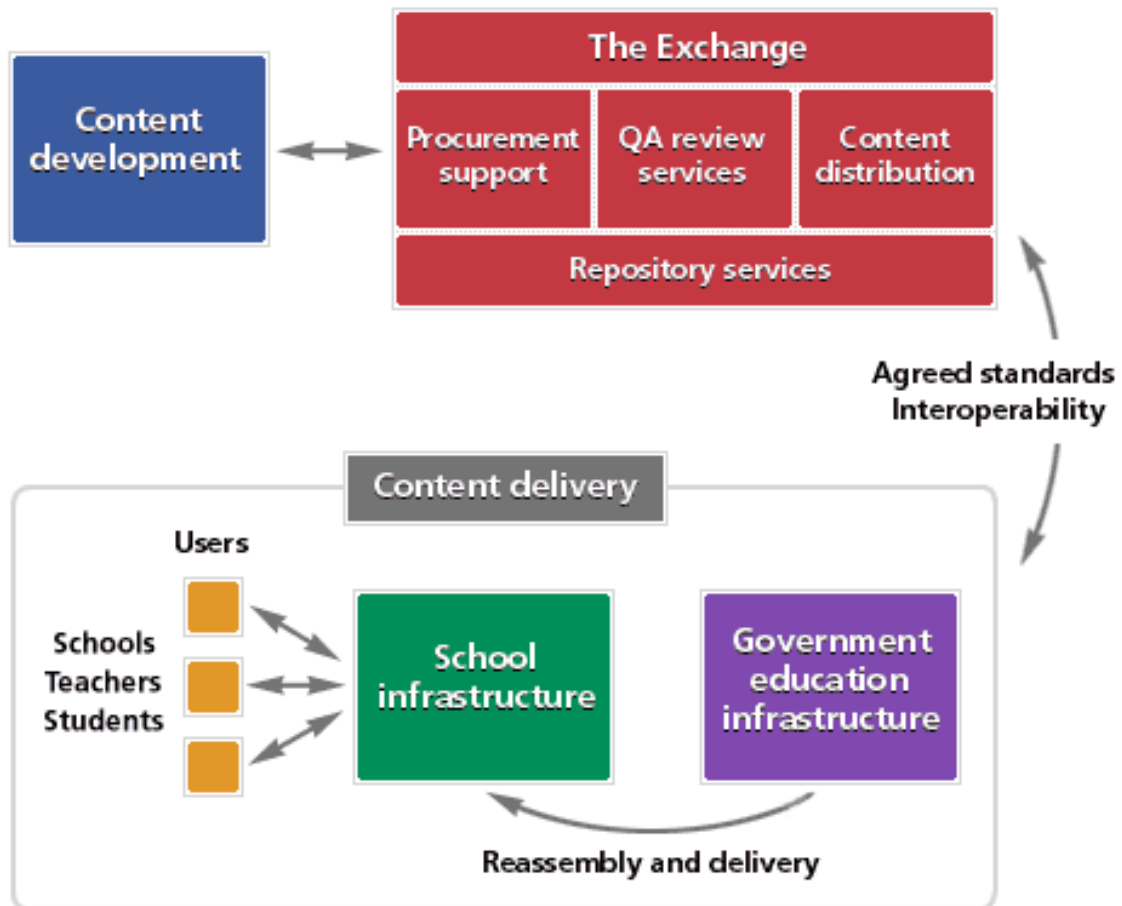
Agreed Specifications (2)

- IMS content packages
- LOM metadata (IMS XML binding)
- SOAP
- W3C Accessibility level double A
- XHTML 1.1

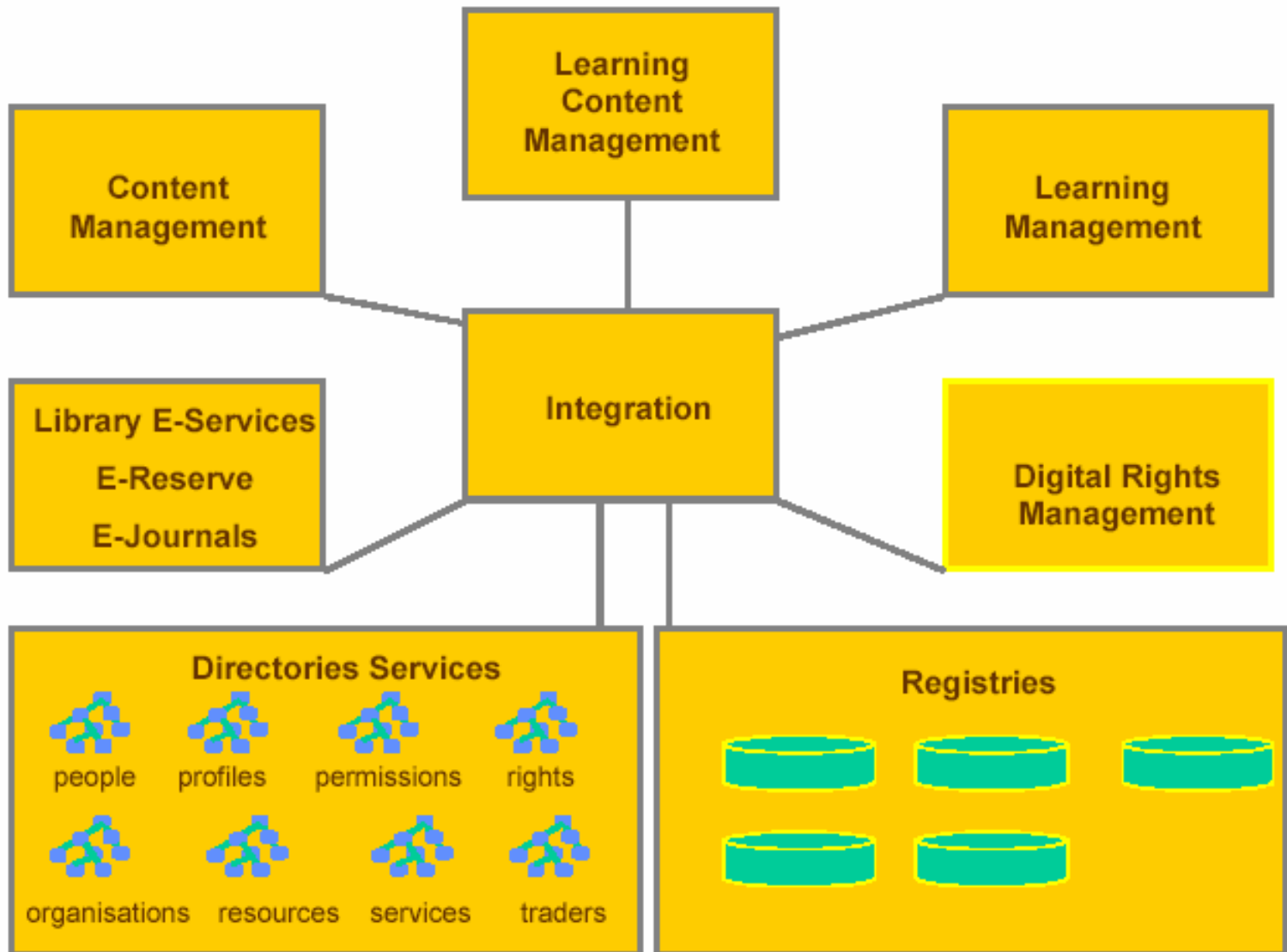
Agreed Specifications (yet to implement)

- IMS DRI
- IMS QTI
- IMS LIP
- IMS Simple Sequencing
- ADL SCORM runtime

Development, Management and Delivery of Online Curriculum Content



COLIS



- **What is interoperability?**
 - **How is it achieved?**

Interoperability

Political	Agreeing to common goals & ground rules for achieving mutual benefit
Jurisdictional	Mapping legal, regional interests
Semantic	Achieving common understanding, common meanings (eg Dublin Core)
Cultural	Communities of Practice, workflow
Syntactic	Sharing grammars, templates, ...
Technical	Systems exchanging data & services

**Consensus
Building**

**Knowledge
Sharing**

Collaborative
Activities

TRUST

Outputs

**Technologies
that Work**

**Standards &
Protocols**

More info ...

- EdNA (Education Network Australia)
www.edna.edu.au
- AICTEC (Australian ICT in Education Committee)
www.aictec.edu.au
- The Learning Federation
www.thelearningfederation.edu.au
- MCEETYA ICT Taskforce
icctaskforce.edna.edu.au
- COLIS (Collaborative Online Learning and Information Services)
www.colis.mq.edu.au
- Australian Academic & Research Library Network
www.latrobe.edu.au/arlin/