AEN WG1 Report
- Technology for Interoperability -

2005-12-15

WG1 Vision

- Establish an e-learning technology community in the Asian region
  - Share technical information and issues about platform and content in terms of e-learning standards
  - Cooperate with US and Europe based communities by exchanging information and requirements on standards

WG1 Background

- Penetration of e-learning in Asian region
- Interoperability issues in some countries
- Promotion needs in some countries
- New technologies emerging inside and outside AEN

This Year's Topics

- e-Learning Standards Promotion
  - SCORM 1.2 and 2004
  - Technical issues
  - Dissemination efforts
- Emerging Technologies
  - Mobile
  - Distributed Repository
  - Others

Participants

- Cambodia, China, Indonesia, Japan, Korea, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam
- ADL(USA)

Presentation

- Jennifer Brooks, ADL
- Alpha Lee, Korea
- David Asirvatham, Malaysia
- Lim Kin Chew, Singapore
- Dr. Niracharapha Thongdhamachart, Thailand
- Kiyoshi Nakabayashi, Japan

ADL

- SCORM 1.2 → SCORM 2004
- New Specifications
  - CORDRA
  - S1000D
- New Technologies
  - Simulation / Games / Performance Support
  - Mobile
  - Web service / NG Platform

Korea

- Comprehensive/Consolidated Government Effort for Dissemination
- Quality Assurance Guide for LCMS
- New Technology
  - 2D/3D LMS
    - Distributed, Module-based, VR, Game
  - DMB (Digital Multimedia Broadcasting)

Malaysia

- **Government Support**
  - Long history
  - National e-Learning Center & ASEAN e-Learning Center recently established
- **SCORM**
  - Lots of SCORM 1.2 Content
  - SCORM 2004 is still difficult
  - User defined API/Data model required

Singapore

- Free / Open source tools for SCORM
- SCORM issues/requirement
  - 1.2 is accepted
  - 2004 is complex
  - Conversion is issue
  - Need good tools / skilled person
  - Need centralized place for tools
  - Hope to organize plugfest in 2006/2007

Thailand

- SIPA under Min.ICT
  - Newly Established
  - Promote local software
  - e-Learning Standard
- NOLP (NSTDA online project)
  - SCORM promotion / implementation
  - SCORM 1.2 LMS
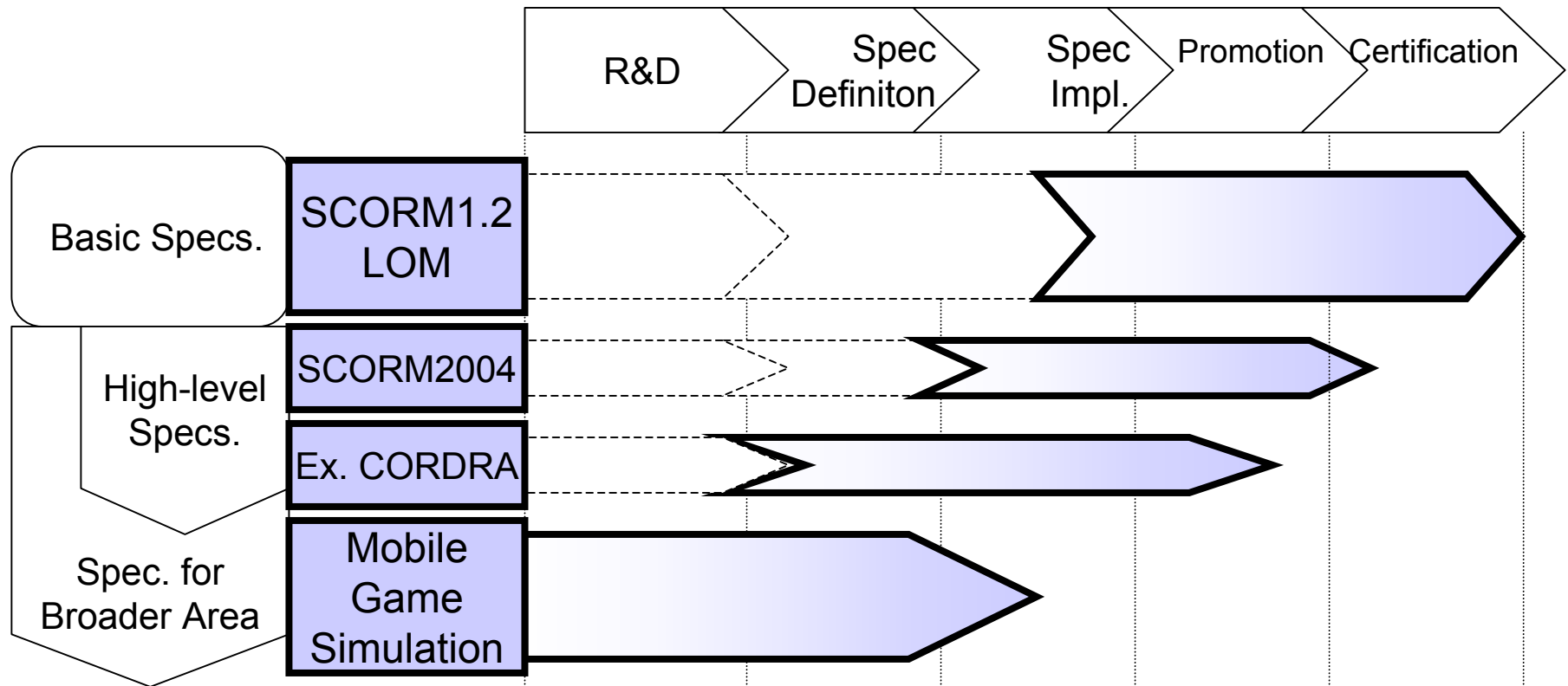
Japan

- SCORM Promotion
    - SCORM 1.2
        - LMS conformance / Plugfest / Assessor
    - SCORM 2004
        - OSS engine / Seminar / Tutorial Documents
    - Questionnaire Survey
        - SCORM is well recognized but need more effort for practical application
- New Technology
    - Mobile / Distributed Repository

Keywords

- SCORM
  - 1.2 is stable and well accepted
  - More effort required for 2004

- New Technologies
  - Distributed Repository
  - Simulation / Games / Mobile
  - Web service / NG Platform

- Open source

- Human skill development

Evolution of Standards

	R&D	Spec Definiton	Spec Impl.	Promotion	Certification

Basic Specs.	SCORM1.2 LOM					
High-level Specs.	SCORM2004					
	Ex. CORDRA					
Spec. for Broader Area	Mobile Game Simulation					

Current Status and Future Direction

- Interoperability for basic specification has been established
  - SCORM 1.2, LOM, etc.
- New effort required for new technology
  - R&D
  - Implementation
  - Best Practice
  - Human Skill Development