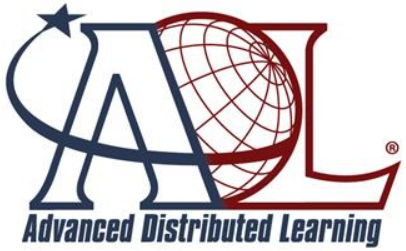


The Power of Global Collaboration

Defense | Government | Industry | Academia

Enabling Next Generation Learning with the Next Generation Learning Architecture

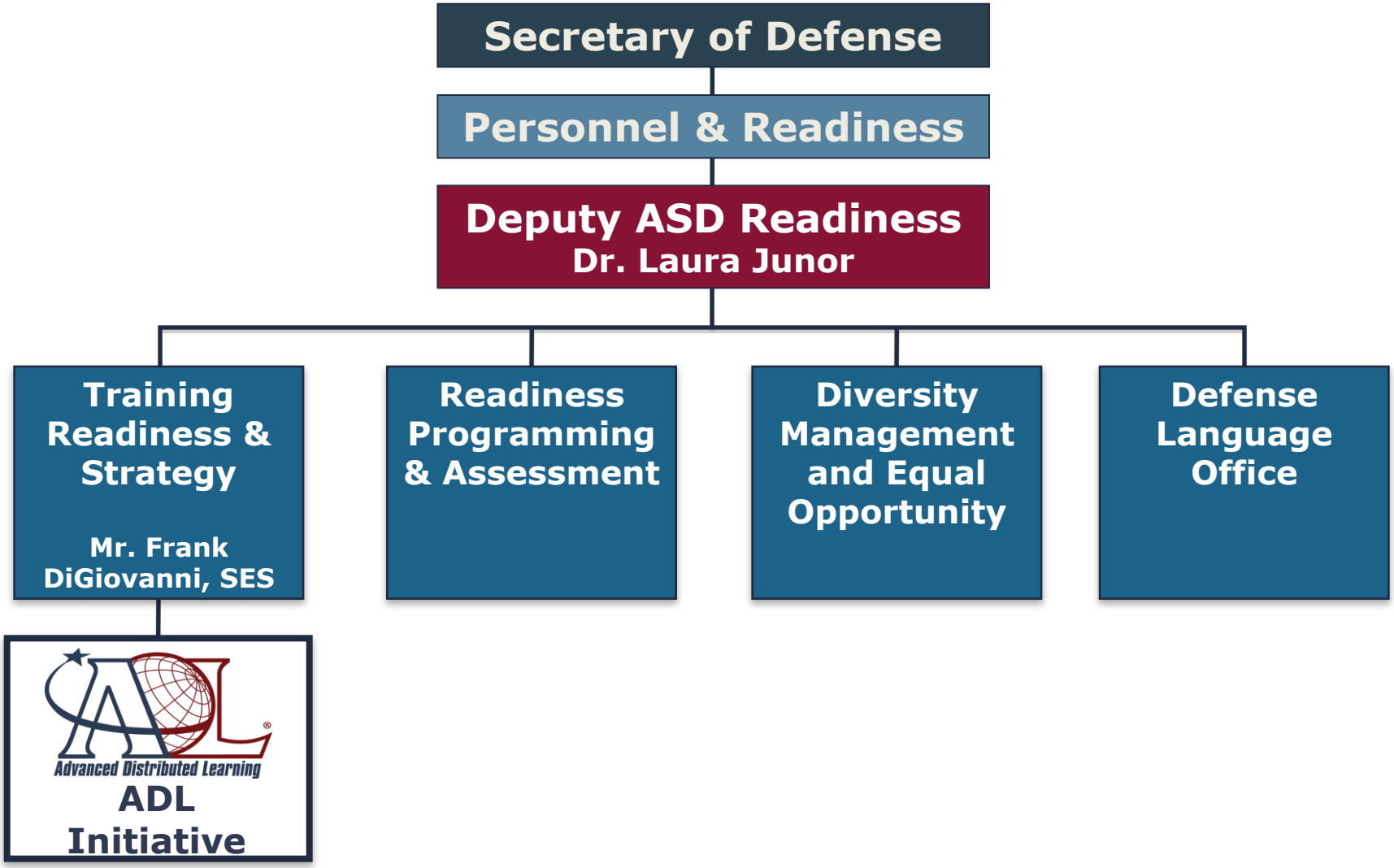
eLearning and Software for Education Conference

Jonathan Poltrack, ADL Tech Team Lead, Subcontractor for Problem Solutions LLC

Agenda

- ADL Overview
- SCORM Update
- Next Generation SCORM

Office of the Deputy Assistant Secretary of Defense (Readiness)



ADL Vision

Provide access to the highest quality education and training, ***tailored to individual needs***, delivered cost effectively, anywhere and anytime.

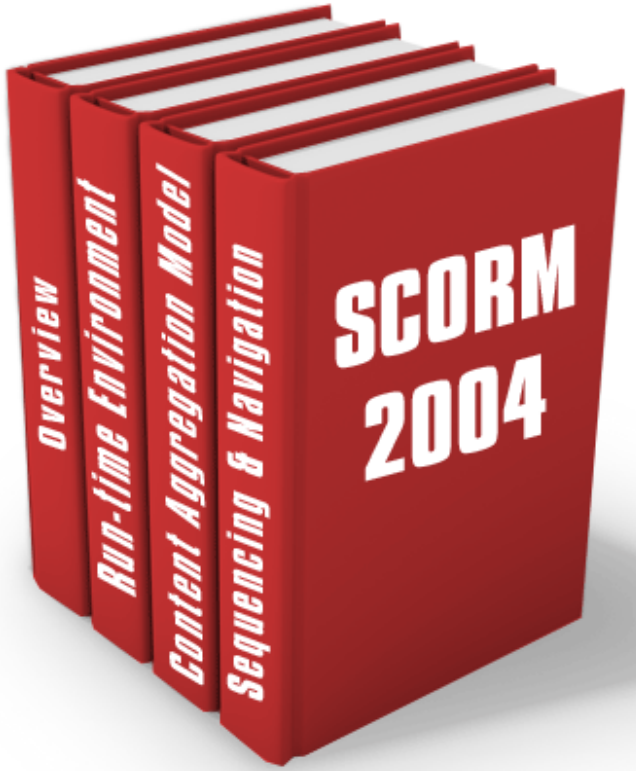
SCORM

SCORM enables an interoperable e-learning environment that has become the **de facto global learning standard**

SCORM Adopters

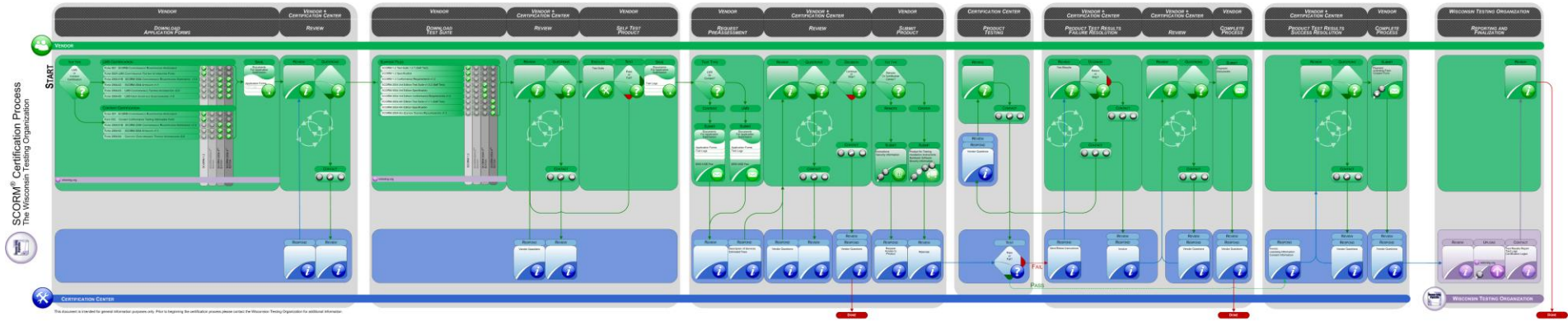
- 508 Enhancements
  - Usability Updates
    - General Updates

No Functional Changes



SCORM 2004 4th Edition Certification

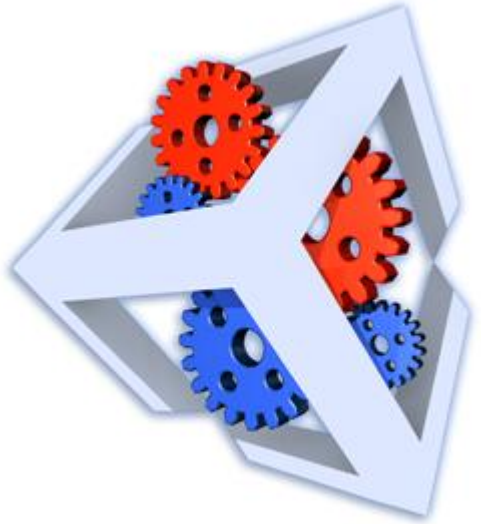
- ISO Certification Process
- LMS-Only
- *Compliance vs Conformance*



Unity-SCORM Integration Toolkit Released

- R&D effort on games and simulations as part of an e-learning curriculum

- Supports SCORM 2004 and SCORM 1.2
  Run-Time Environment
  Minimal Packaging



http://www.adlnet.gov/scorm-unity-integration

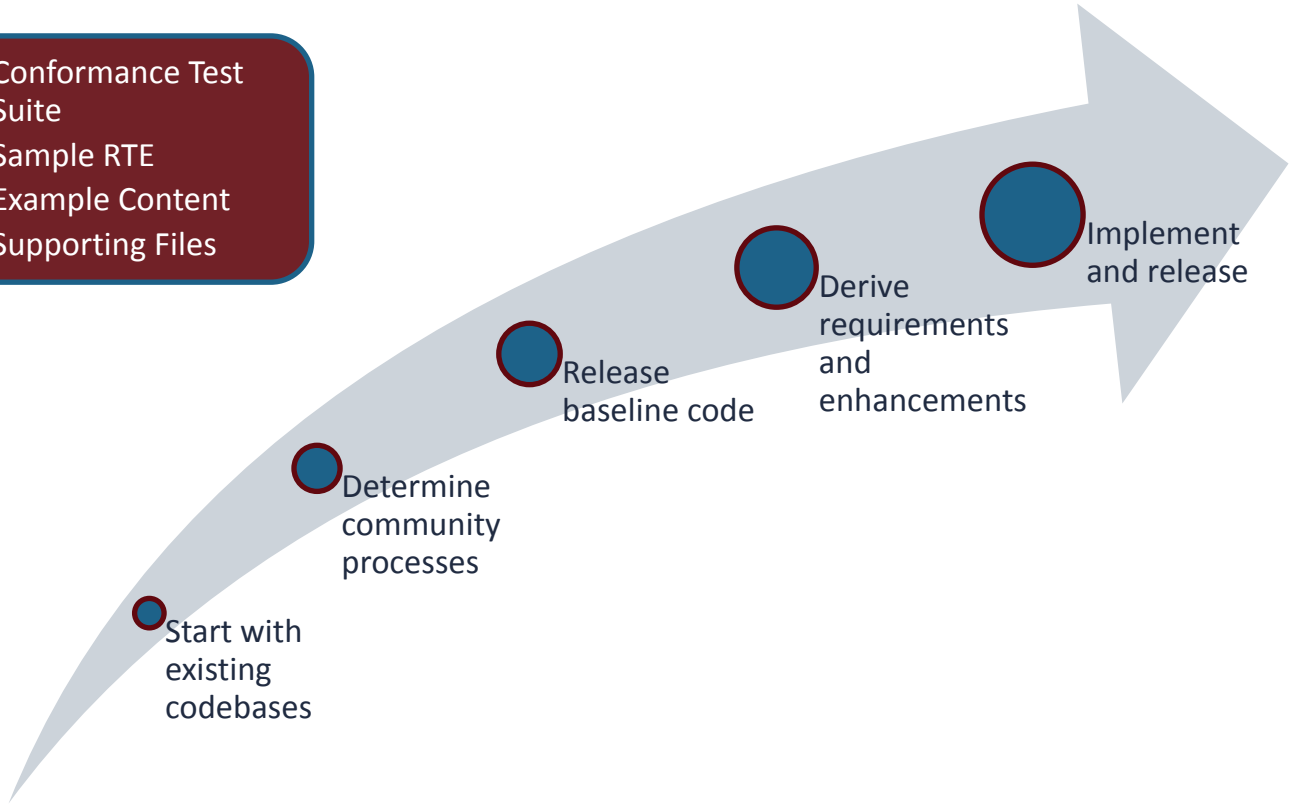
Open Source Software

SCORM 2004

- Test Suite
- SRTE
- Example Content
- Supporting Files

SCORM 1.2

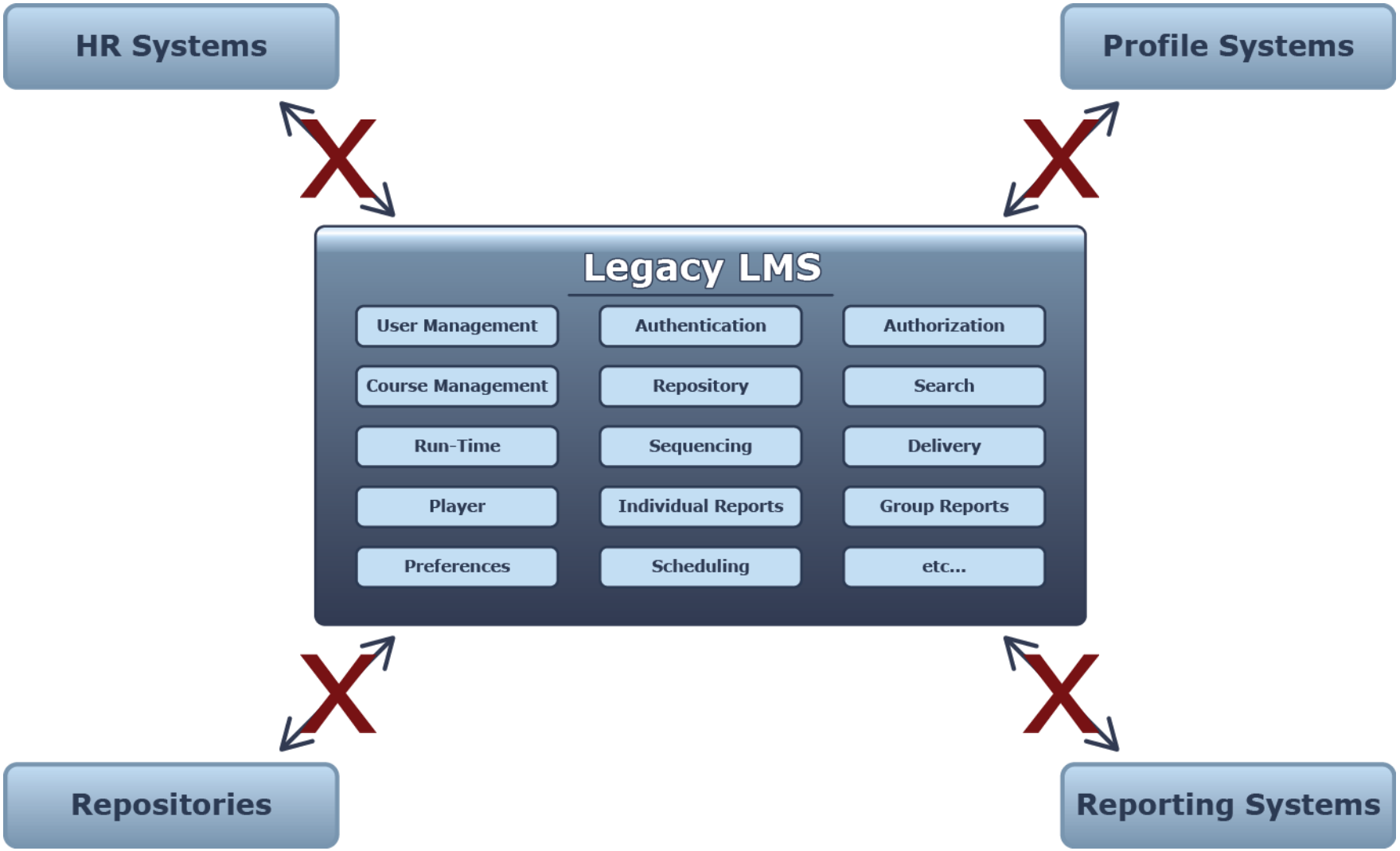
- Conformance Test Suite
- Sample RTE
- Example Content
- Supporting Files



Determining level of interest

The Problem

I Can’t Get My Data!…



I want to train multiple users in a virtual world…

I want to track data in a simulation…

Learning is social. How do I integrate all of this social media?

What about mobile apps and augmented reality?…

The Solution

Next Generation SCORM 2012 R&D

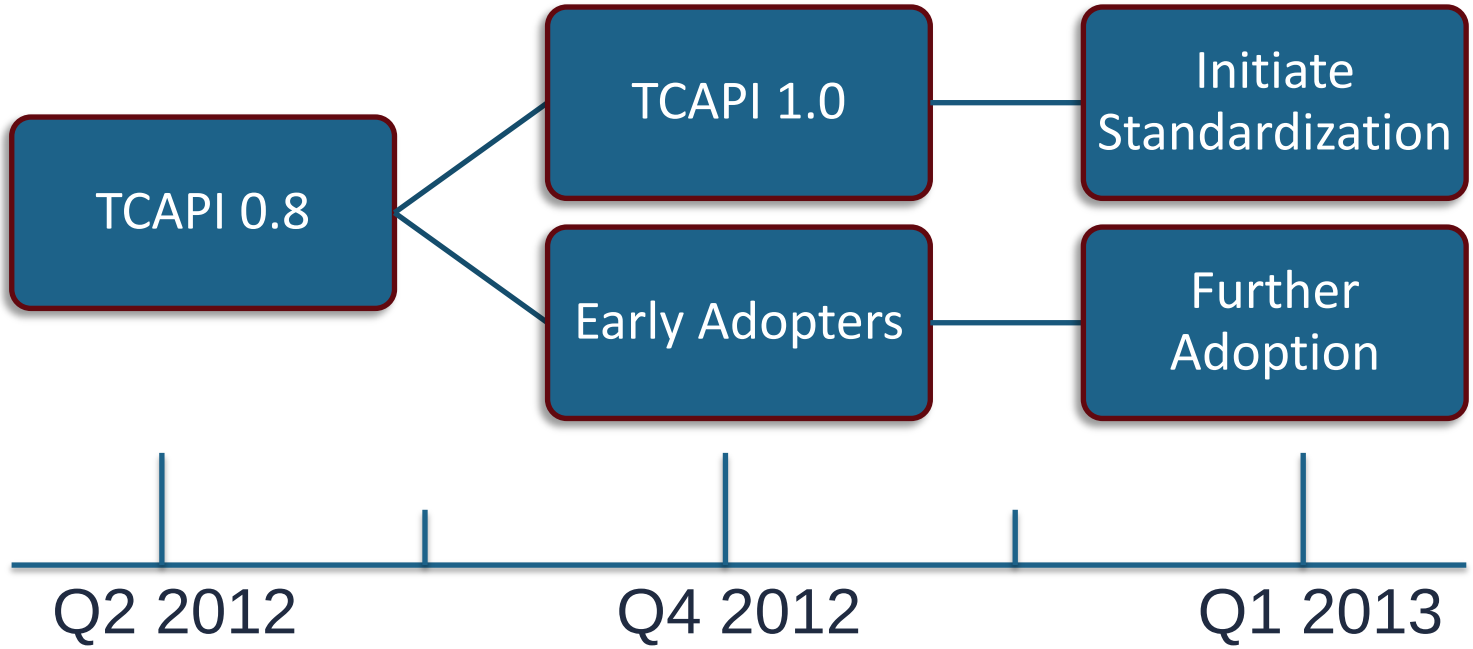
Next Gen SCORM - Tin Can API

- “I Did This” Activity Stream Model
- API Specification 0.9 Available
- Mobile Demonstrations/Use Case-Focused
- Open Programming Libraries
- ADL LRS Reference Implementation
- Get Involved!

The Community Needs a Solution.

- 400+ Stakeholders Signed Up
- 350 at the Kick-Off Meeting
- 60,000 Web Hits a Month
- 20-30 Active Specification Contributors
- LMS Vendors, Authoring Tools, Content Developers, Government, DoD, Academia, Industry

Timeline


TCAPI 0.8
TCAPI 1.0
Early Adopters
Initiate Standardization
Further Adoption
Q2 2012
Q4 2012
Q1 2013

Resources

Unity-SCORM Integration Toolkit

http://www.adlnet.gov/adl-releases-the-unity-scorm-integration-toolkit-version-1-0-beta

Next Generation SCORM Information

http://www.adlnet.gov/capabilities/next-generation-scorm

Project Tin Can

http://tincan.adlnet.gov

SCORM 2004 4th Edition

http://www.adlnet.gov/capabilities/scorm/scorm-2004-4th

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