Transforming the College Digital Learning Environment

(Part One)
Speakers

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IMS Global Learning Consortium’s Mission

Advance teaching and learning through technology that can affordably scale to improve educational access and attainment

Better Learning From Better Learning Technology®

www.imsglobal.org/ar2018
Five Strategic Key Initiatives

- **Digital Micro-Credentials**
- **Learning Data & Analytics**
- **Integrated Assessment**
- **Learning Platforms, Apps & Tools**
- **Adaptive Digital Curriculum**

Enabling institutions to fully leverage the benefits of digital technology
IMS Standards: Enabling a Connected Teaching and Learning Ecosystem

**PROGRAM MANAGEMENT**
- Competencies and Academic Standards Exchange (CASE)
- Common Cartridge
- Edu-API
- Question & Test Interoperability

**INSTRUCTION**
- LTI Advantage
- Competencies and Academic Standards Exchange (CASE)
- Question & Test Interoperability

**LEARNING ANALYTICS**
- Caliper Analytics
- LTI Insights
- CASE

**CREDENTIALING**
- CASE
- Comprehensive Learner Record (CLR)
- Open Badges (OBv2)
Learning Tools Interoperability (LTI)

- The preferred edtech industry standard that securely enables one-click, seamless connection of a learning tool and platform
- Confirms tool credentials and exchanges information in a teaching and learning workflow
- All major platforms and hundreds of learning apps are LTI certified
LTI Advantage: Innovation at the Speed of Now

- **Names and Role Provisioning Service**: Sends a list of course participants and faculty defined groups to learning tools in a safe and secure manner.
- **Deep Linking**: Enables a more intuitive way to add content and links to a platform from a learning tool or publisher content.
- **Assignment and Grade Services**: Exchanges assignment progress, instructor comments, and scores from an assessment tool to the gradebook platform.

LTI Advantage instantly and securely connects teachers and students to digital learning objects, assessments, apps and tools for better usability and actionable data; the foundation for next generation digital learning.

Learn More – Watch the Get to Know LTI Advantage Video

www.imsglobal.org/TakeAdvantage
LTI Advantage Toolkit

- For higher education IT organizations and procurement offices
- Provides resources and sample RFP language
- Helps guide conversations with edtech supplier partners about adoption and IMS certification for LTI and LTI Advantage
- Toolkit assets will be kept up-to-date

Download the LTI Advantage Toolkit today at www.imsglobal.org/lti/toolkit
Learning Data & Analytics

Providing a foundation to make it easier to get real-time usage and progress data out of any educational application

Caliper Learning Analytics

Capture and measure learner actions and events in real time
Adaptive Learning

- Developing adaptive learning framework for structuring data aligned with pedagogy
- Exploring ways to share and track content within and between adaptive learning systems and to map IMS Global standards to those systems to make it easier for academic and IT staff to support adaptive learning initiatives.
Institutional/supplier collaboration for scalable and effective student data privacy across the edtech sector

- **Data Collected**
- **Security**
- **3rd Party Data Sharing**
- **Advertising**

Over 2700 products have been reviewed and over 1500 policies have been vetted using the IMS APP VETTING program.
IMS Certified Product Directory

- Official products listing having passed IMS Global interoperability
- Guaranteed to meet the IMS standards for which they have passed testing
- If a product is NOT listed in the directory it has either not passed IMS testing or certification has expired

imscert.org
IMS Product Directory

Verify certification at imscert.org

PRODUCT CERTIFICATIONS

This is the official listing of products that have passed IMS Global interoperability certification. Using these products will enable your institution to achieve the benefits associated with IMS.

Products listed in this directory are guaranteed to meet the IMS standards for which they have passed testing. If you experience an integration issue with a product listed here, IMS will work with the supplier to resolve the problem.

IMS STANDARDS

- IMSCompliance v2.0
- IMSCompetencies v2.0
- IMSContent v2.0
- IMSInteroperability v2.0

ORGANIZATIONS

- Houghton Mifflin Harcourt
- Pearson Education
- Goodheart-Willcox Publisher
- McGraw-Hill Education
- Cengage
- TCI
- Instructure
- Renaissance Learning
- Educational Testing Service
- Blackboard, Inc.

Show more
Kentucky Community & Technical College System

Paul Czarapata – VP/CIO

- Department of 35 in System Office
- Army of 1 managing our LMS
- Very small development team
- IMS Board member
Kentucky Community & Technical College System

KCTCS By the numbers

• 16 individually accredited colleges
• Over 70 locations
• Over 110,000 credit students served annually
• 1 instance Student Information System (PeopleSoft Campus Solutions)
• 1 instance Blackboard Learn SaaS hosted
The Challenge for Community Colleges

• Constrained technical resources
• Limited funding
• Complicated integrations
• Security concerns
• Too many tools
• An onslaught of vendors
• Technology landscape very crowded
• Yet, you need some of them to transform
• All of these likely need integrations
Why Should We Care about IMS Global Standards (and Standards in General)?

- Strategic and relevant
- Resource savings
- Institutional agility, power of choice
- Risk reduction
- Member collaboration
Strategic and Relevant

• Enabling your learning tools and content to integrate seamlessly without the overhead of customization

• Sustaining digital transformation and innovation at scale across the enterprise

• Providing faculty and instructional technologists with greater choice and flexibility to personalize learning and improve outcomes

• Harnessing learning data to inform institutional decisions, student recruitment and retention strategies
Resource Savings

• Savings of both human and financial resources
• No need to waste valuable time and incurring costs reformatting and interpreting data again and again
• Common sets of data exchange standards free up more resources that can be focused on teaching and learning
Institutional Agility/Power of Choice

- Shorter implementation time
- Shift to focus from custom “wiring” to innovation
- Adopt new platforms/technologies when you need them
- Get away from vendor lock in on proprietary monolithic stacks
  - Best of breed becomes more feasible, particularly for smaller institutions
- Level the playing fields (IMS can be your slingshot!)
- Common sets of data exchange standards free up more resources that can be focused on teaching and learning
Risk Reduction

• Standards can enable efficient automation therefore reducing costs and risk

• For high value transactions, errors can result in significant losses and frustration

• If integrations are standardized, we can leverage/trust third parties more easily because risks of failure are reduced
Benefits of IMS Global Membership

• One of largest standards consortiums
• Collaborate with folks that have “been there / done that”
• Numerous ways to get involved
• Unique opportunities to collaborate/pilot with vendors in Higher Education
• Learn more about being a contributing member here: www.imsglobal.org/join
• Download Higher Education resources at: www.imsglobal.org/hed
Examples:

• Many live LTI integrations for years
• LTI Advantage implementation just started
  – For our Blackboard system it will allow us to retire a clunky custom process in PeopleSoft that provisions students, faculty, and courses.
  – We will have the ability to deep-link into courseware. Instead of dumping student off at the front door of the courseware from the LMS, you can now send the student directly to the educational content seamlessly.
  – Will allows exchange of assignment, grades, and instructor comments from an assessment tool to the gradebook in Blackboard.
Examples

LTI Advantage allowed us to integrate our accessibility tool directly with the LMS.
What’s Next for KCTCS

• Comprehensive Learner Record pilot
• More LTI Advantage integrations with courseware vendors
• Wider rollout of competency based badges
Central Piedmont
35 Current LTI integrations with Blackboard
Hosted Solutions Requirements

“For vendors that integrate with the Learning Management Systems, Central Piedmont requires that the hosted solution use LTI-based authentication and authorization.”
STATE OF NORTH CAROLINA
Central Piedmont Community College

REQUEST FOR PROPOSAL NO. 88-190097-JE

Offers will be publicly opened: April 23, 2019 at 2:00pm
Issue Date: March 21, 2019
The Future
Discussion and Q&A

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Thank you

• Part 2 will focus on digital credentials and will be scheduled for mid-late February
• Look for our presentation at the Innovations Conference in March 1-4, 2020: [www.league.org/inn2020](http://www.league.org/inn2020)
• Upcoming IMS Global Events [www.imsglobal.org/events](http://www.imsglobal.org/events)
  – Digital Credentials Summit: February 11-12, 2020
  – Learning Impact Leadership Institute, May 18-21, 2020