Are your suppliers IMS Certified?
“The reality is, we won’t seek to be certified unless our customers require it. Then we will.”

-Learning Platform Executive
Insist on Certified LTI Products

Reliability *Guaranteed backing of expert IMS technical staff*

Security and Privacy *Secure and controllable data exchange*

Usability *Tool integrations that meet the highest industry standards*

Choice *Virtual catalog of certified-compatible teaching and learning tools and digital curriculum*
What is LTI, Really?

LTI is a common technical ‘language’ used to navigate among systems and tools, exchanging data between them.
Three Key Features of LTI

Connect

Confirm

Exchange
Securely **connect** learning platforms and tools, e.g.

- Publisher content
- Specialized “labs”
- Assessment tools
- Plagiarism detectors
- Any certified compliant teaching and learning tool
Confirm the tool, the user and context

- Tool is trusted, verifies users are allowed to access
- Uses institutional/LMS signon credentials
Exchange information in a teaching and learning workflow

Course Content  Exchange  Assignments

Grades  Exchange  Class Lists
LTI’s Essential Features

- Learning Platform
- Learning Tools

Diagram:
- Connect
- Confirm
- Launch
- Exchange

LTI
LTI Advantage Builds on LTI for the Trusted Exchange of Teaching & Learning Activities

- NAMES AND ROLE PROVISIONING SERVICES
  Enables sending a list of course participants and faculty defined groups to learning tools.

- 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
  Enables passing of assignment results from the tool back to the LMS.
LTI Advantage: Deep Integrations at the Speed of Now

- Makes it easier to innovate and meet the unique learning needs of students
- Saves time spent provisioning courses
- Dramatically reduces integration times
Assignment and Grade Services

Enables faculty to sync grades and comments in third-party tools into a single place, such as the LMS gradebook, which gives students and faculty a clearer picture of learning progress in one place.

- Gradable assignments shared with tool
- Numeric scores returned to LMS gradebook
- Assessor’s comments returned if provided
- Multiple results supported in a single exchange
- Instructor override and history of attempts allowed
Deep Linking

Simplifies the arduous task of selecting and adding links to content when developing a course, including deep integration to collections of content such as playlists and a table of contents.

- Select and add course content in a few clicks
- Add playlists and tables of content
- Enable links and other HTML content
- Add pre-registered tools with a few clicks
Names and Role Provisioning Services

Automates course enrollment into a third-party tool in a safe and secure manner, and allows faculty to receive reporting on student activity within the tool.

- Exchange a list of users and their roles
- Provision a learner using LTI’s secure exchange
- Learn who has not yet accessed a tool
Thin Common Cartridge: Content from the Cloud

LTI links and searchable metadata
LTI is compatible with your sign-on systems

- IMS standards, including LTI, are 100% compatible with authentication standards including SAML, Active Directory/ADFS and the OAuth2 framework

- IMS standards authenticate the tool and pass on the already-authenticated users’ information and role between the platform and external tool
Recommended LTI Adoption Roadmap

- Adopts the industry standard protocol, OAuth2 for authentication services, and JSON Web Tokens (JWT) for secure message signing
- The best framework for IMS’ updated security model is LTI 1.3
A Connected Ecosystem: IMS Standards in Action
Learning Tools Interoperability®

LTI® for Educators