



Learning Tools Interoperability (LTI) Checklist & RFP Language

Learning Tools Interoperability® (LTI®) is a standard developed by IMS Global Learning Consortium. LTI prescribes a way to integrate rich learning applications (often remotely hosted and provided through third-party services) with platforms like learning management systems (LMS), portals, learning object repositories or other educational environments managed locally or in the cloud. In LTI, these learning applications are called **Tools**, delivered by **Tool Providers**, and the LMS or platforms are called **Tool Consumers**.

The central use case behind the development of the LTI specification is to enable the seamless, secure connection to web-based applications, content, or tools (internally or externally hosted), ranging from a simple communication application like chat, to domain-specific learning environments for complex subjects like math or science, with platforms that present the tools to users as integral components of a learning environment. Using LTI, if you have an interactive assessment application or virtual chemistry lab, it can be securely connected to an educational platform in a standard way without having to develop and maintain custom integrations for each platform, saving significant development time and costs, while enabling customer choice in their platforms and learning tools.

Please refer to **A Brief Primer on Learning Tools Interoperability Conformance for End-User Institutions, Faculty, and Buyers of Third-Party Services and Tools for integration into Learning Platforms**: <http://www.msglobal.org/lti/primeronLTIConformance.html> for a detailed explanation of LTI and a comparison table of the different LTI versions and features supported.

Suggested RFP Language [target: Tools e.g Provider Virtual Lab Tool]

The district is requesting support for LTI 1.1 or higher certified as a **Tool Provider (TP)**.

Evidence of a valid conformance certification, including a current registration number must be available from the IMS Global web site. See <http://www.imscert.org>

LTI Checklist [Tool Provider]

Name	Description
LTI Version	Version Information [Required]
Resource link title	Will you support a Resource link title? (A plain text title for the resource)
Resource link description	Will you support a Resource link description? (A plain text description of the link's destination, suitable for display alongside the link)

user id	Will you support user ids? (Uniquely identifies the user. This should not contain any identifying information for the user)
user image	Will you support user image? (This attribute specifies the URI for an image of the user who launches this request.)
lis_person_family_name	Will you support the person family name? e.g. Public
lis_person_full_name	Will you support the person full name? e.g. Jane. Q. Public
lis_person_given_name	Will you support the person given name? e.g. Jane
lis_person_sourcedid	Will you support the person sourcedid? Will this be the district unique user ID? (e.g. Active Directory ID) please specify.
lis_person_contact_email_primary	Will you support person_contact_email_primary? e.g. user@school.edu
Names and Roles Provisioning Services	Will you support Names and Roles Provisioning Services? (Enables sending a list of course participants and teacher defined groups to learning tools.)
Deep Linking	Will you support 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	Will you support Assignment and Grade Services? (Enables passing of assignment results from the tool back to the LMS.)
Launch Presentation Target	Will you support a Launch Presentation Target? (This field communicates the kind of browser container into which the TC has launched the tool)
Launch Presentation Width & Height	Will you support Launch Presentation Width & Height? (The width and height of the window or frame where the content from the tool will be displayed)
Launch presentation return URL	Will you support a Launch presentation return URL? (Fully qualified URL where the TP can redirect the user back to the TC interface.)
Custom Parameters	Will you require Custom Parameters? - if yes - please specify which custom parameters you will support.

*Note - this checklist does not include mandatory parameters

Suggested RFP Language [target: Learning Platform e.g LMS or Learning Object Repository]

The district is requesting support for LTI 1.1 or higher certified as a **Tool Consumer (TC)**.

Evidence of a valid conformance certification, including a current registration number must be available from the IMS Global web site. See <http://www.imscert.org>.

LTI Checklist [Tool Consumer]

Name	Description
LTI Version	Version Information [Required]
Resource link title	Will you provide a Resource link title? (A plain text title for the resource)
Resource link description	Will you provide a Resource link description? (A plain text description of the link's destination, suitable for display alongside the link)
user id	Will you provide user ids? (Uniquely identifies the user. This should not contain any identifying information for the user)
user image	Will you provide user image? (This attribute specifies the URI for an image of the user who launches this request.)
user name	Will you provide user name? The username by which the user is known to the LMS.
lis_person_family_name	Will you provide the person family name? e .g. Public
lis_person_full_name	Will you provide the person full name? e.g. Jane. Q. Public
lis_person_given_name	Will you provide the person given name? e.g. Jane
lis_person_sourcedid	Will you provide the person sourcedid? Will this be the district unique user ID? (e.g. Active Directory ID) please specify.
lis_person_contact_email_primary	Will you provide person_contact_email_primary? e.g. user@school.edu
Names and Roles Provisioning Services	Will you support Names and Roles Provisioning Services? (Enables sending a list of course participants and teacher defined groups to learning tools.)
Deep Linking	Will you support 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	Will you support Assignment and Grade Services? (Enables passing of assignment results from the tool back to the LMS.)
Launch Presentation Target	Will you provide a Launch Presentation Target? (This field communicates the kind of browser container into which the TC has launched the tool)
Launch Presentation Width & Height	Will you provide Launch Presentation Width & Height? (The width and height of the window or frame where the content from the tool will be displayed)
Launch Presentation Style Sheet	Will you provide the Launch Presentation Stylesheet (CSS) URL?
Launch presentation return URL	Will you provide a Launch presentation return URL? (Fully qualified URL where the TP can redirect the user back to the TC interface.)
Tool Consumer Info Product Family Code	Will you provide Tool Consumer Info Product Family Code? (e.g. canvas, brightspace, blackboard etc.)
Tool Consumer Info Version	Will you provide Tool Consumer Info Version? (e.g. major/minor release code - 9.1 etc)
Tool Consumer Instance contact email	Will you provide Tool Consumer Instance contact email? (e.g system.admin@school.edu)
Tool Consumer Instance description	Will you provide Tool Consumer Instance description? (e.g. District LMS)
Tool Consumer Instance guid	Will you provide a Tool Consumer Instance guid? (this is a unique identifier for the Tool Consumer)
Tool Consumer Instance name	Will you provide a Tool Consumer Instance name?
Tool Consumer Instance URL	Will you provide the Tool Consumer Instance URL? (this is the URL of the tool consumer instance)
Custom Parameters	Will you support Custom Parameters? - if yes - please specify which custom parameters you will provide.

*Note - this checklist does not include mandatory parameters