
P2881

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Type of Project: New IEEE Standard

Project Request Type: Initiation / New

PAR Request Date: 13 Mar 2020

PAR Approval Date: 14 May 2020

PAR Expiration Date: 31 Dec 2024

PAR Status: Active

1.1 Project Number: P2881

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Learning Metadata

3.1 Working Group: Learning Metadata(C/LT/LMeta)

3.1.1 Contact Information for Working Group Chair:

Name: Andy Johnson

Email Address: andy.johnson.ctr@adlnet.gov

3.1.2 Contact Information for Working Group Vice Chair:

None

3.2 Society and Committee: IEEE Computer Society/Learning Technology(C/LT)

3.2.1 Contact Information for Standards Committee Chair:

Name: Richard Tong

Email Address: richard@yixue.us

3.2.2 Contact Information for Standards Committee Vice Chair:

Name: James Goodell

Email Address: jgoodell2@yahoo.com

3.2.3 Contact Information for Standards Representative:

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:

Dec 2022

4.3 Projected Completion Date for Submittal to RevCom: Jul 2023

5.1 Approximate number of people expected to be actively involved in the development of this project: 30

5.2 Scope of proposed standard: This standard intentionally builds on the IEEE 1484.12.1 standard but is explorative to new learning paradigms and modern technology practices. This standard will specify a conceptual data schema that defines the structure of a metadata instance. This conceptual data schema specifies the data elements which compose a metadata instance for multiple learning types. This standard does not define how a learning technology system implements the data schema.

5.3 Is the completion of this standard contingent upon the completion of another standard? No

5.4 Purpose: The purpose of this standard is to facilitate search, evaluation, acquisition, and use of learning content, activities, and possibly even learners. It enables the development of catalogs and inventories while taking into account the diversity of cultural and lingual context in which learning occurs. By specifying a common conceptual data schema, semantic interoperability is increased.

5.5 Need for the Project: Learning Object Metadata (LOM) (1484.12.1) is widely adopted, with the conceptual model being widely used. However, many of the terms and in particular, restricted taxonomies, have grown out of date with modern learning technology practices. In addition, learning content and activities have become separated in practice and establishing learner context is much more possible. In addition, other conceptual models of metadata have emerged and provide great value. These should be incorporated into a new IEEE metadata that builds on LOM, but allows for 21st century practices.

5.6 Stakeholders for the Standard: Stakeholders include Learning Management System (LMS) producers and users, courseware developers, eLearning authoring tool producers and users, and training organizations. Stakeholders invested in this standard include United States Government, multiple NATO Governments, Academic institutions worldwide, and Corporate training organizations

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

Yes

Explanation: Other metadata models will be aligned and incorporated into Learning Metadata. This alignment is intended to be collaborative and complete, but will likely require permission from organizations who have the Intellectual Property (IP) of these conceptual models.

6.1.2 Is the Standards Committee aware of possible registration activity related to this project?

No

7.1 Are there other standards or projects with a similar scope? No

7.2 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes : Section 7.3 was intentionally left blank. It is possible there are multiple parties interested in joint work. IEEE 1484.12.1 is the IEEE Standard for Learning Object Metadata. In the distributed learning domain, this is often abbreviated LOM.