



ISO/IEC JTC1 **SC36 N0349**

ISO/IEC JTC1 SC36
Information Technology for Learning, Education, and Training

Title:

New Work Item Proposal (NP) for "Metadata for Learning Resources"

Source:

SC36 Secretariat

Project:

N/A

Document Type:

NP

Status:

For ballot. Ballots must be returned to the SC36 Secretariat ("sc36-sec@jtc1sc36.org") by 2003-01-22.

Date:

2002-10-22

Action ID:

LB, Due Date: 2003-01-22

Distribution:

P, O, & L Members, WG Conveners

Scope

The Metadata Standard for learning resources is a multi-part standard that specifies disjoint conceptual data schemata that define the structure and the data elements of a metadata instance for a learning resource. For this Standard, a learning resource is defined as any entity, digital or non-digital, that may be used for learning, education or training.

For this Standard, a metadata instance for a learning resource describes relevant characteristics of the learning resource to which it applies. Such characteristics can be grouped in specific categories that are reflected by the multiple parts of this Standard, such as general, lifecycle, meta-metadata, technical, educational, rights, relation, annotation, classification.

The conceptual data schemata specified in this Standard will allow for linguistic diversity of both learning objects and the metadata instances that describe them.

The conceptual data schemata defined in this Standard specify the data elements of which a metadata instance for a learning object may be composed.

This Standard will be referenced by other standards that will define the implementation descriptions of the data schema so that a metadata instance for a learning object can be used by a learning technology system to manage, locate, evaluate or exchange learning resources.

This Standard does not define how a learning technology system will represent or use a metadata instance for a learning resource.

Purpose and justification

The purpose of this Standard is to facilitate search, evaluation, acquisition, and use of learning objects, for instance by learners or instructors or automated software processes. The purpose is also to facilitate the sharing and exchange of learning objects, by enabling the development of catalogs and inventories while taking into account the diversity of cultural and lingual contexts in which the learning objects and their metadata will be exploited.

By specifying a common set of conceptual data schemata, this Standard ensures that bindings of Metadata for Learning Resources will likely have a high degree of semantic interoperability. As a result, transformations between bindings will be straightforward.

The intent of this Standard is to specify a base schema, which can be used to build on as practice develops, for instance in order to facilitate automatic, adaptive scheduling of learning resources by software agents.

Programme of work

If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed?

a single International Standard more than one International Standard (expected number:)

a multi-part International Standard consisting of several parts

an amendment or amendments to the following International Standard(s)

a technical report, type

Relevant documents to be considered: SC36/N0255, SC36/N0276-N0281, SC36/N0309, SC36/N0310, SC36/N0329

Cooperation and liaison: IEEE LTSC, CEN/ISSS/WS-LT, DCMI

Preparatory work offered with target date(s): Documents submitted 2003Q2.

Signature:

Will the service of a maintenance agency or registration authority be required?No.....

- If yes, have you identified a potential candidate?

- If yes, indicate name

Are there any known requirements for coding?No.....

-If yes, please specify on a separate page

Does the proposed standard concern known patented items?No.....

- If yes, please provide full information in an annex

Comments with respect to the proposal in general, and recommendations thereon:

NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A Business Requirement		
A.1 Market Requirement	Essential <input checked="" type="checkbox"/> Desirable ____ Supportive ____	Necessary for content search, tagging, and retrieval.
A.2 Regulatory Context	Essential ____ Desirable ____ Supportive ____ Not Relevant <input checked="" type="checkbox"/>	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes <input checked="" type="checkbox"/> No ____	The text will adopt, correct, amend, and/or improve upon the technical work in a related IEEE standard called "Learning Object Metadata".
B.2 Commitment to other organization	Yes <input checked="" type="checkbox"/> No ____	Expect contributions and coordination with IEEE LTSC, CEN/ISSS/WS-LT, and DCMI.
B.3 Other Source of standards	Yes ____ No <input checked="" type="checkbox"/>	Not yet sure if IEEE will contribute text for wording.
C. Technical Status		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No ____	Stable for standardization.

C.2 Prospective Technology	Yes ___ No __X__	
C.3 Models/Tools	Yes ___ No __X__	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ___ No __X__	
D.2 Interoperability	Yes __X__ No___	Interoperability among learning, education, and training technology systems, e.g., learning management systems, indexation tools, authoring systems.
E. Other Justification		

Notes to Proforma

A. Business Relevance. That which identifies market place relevance in terms of what problem is being solved and or need being addressed.

A.1. Market Requirement. When submitting a NP, the proposer shall identify the nature of the Market Requirement, assessing the extent to which it is essential, desirable or merely supportive of some other project.

A.2 Technical Regulation. If a Regulatory requirement is deemed to exist - e.g. for an area of public concern e.g. Information Security, Data protection, potentially leading to regulatory/public interest action based on the use of this voluntary international standard - the proposer shall identify this here.

B. Related Work. Aspects of the relationship of this NP to other areas of standardization work shall be identified in this section.

B.1 Competition/Maintenance. If this NP is concerned with completing or maintaining existing standards, those concerned shall be identified here.

B.2 External Commitment. Groups, bodies, or fora external to JTC 1 to which a commitment has been made by JTC for cooperation and or collaboration on this NP shall be identified here.

B.3 External Std/Specification. If other activities creating standards or specifications in this topic area are known to exist or be planned, and which might be available to JTC 1 as PAS, they shall be identified here.

C. Technical Status. The proposer shall indicate here an assessment of the extent to which the proposed standard is supported by current technology.

C.1 Mature Technology. Indicate here the extent to which the technology is reasonably stable and ripe for standardization.

C.2 Prospective Technology. If the NP is anticipatory in nature based on expected or forecasted need, this shall be indicated here.

C.3 Models/Tools. If the NP relates to the creation of supportive reference models or tools, this shall be indicated here.

D. Any other aspects of background information justifying this NP shall be indicated here.

D. Conformity Assessment and Interoperability

D.1 Indicate here if Conformity Assessment is relevant to your project. If so, indicate how it is addressed in your project plan.

D.2 Indicate here if Interoperability is relevant to your project. If so, indicate how it is addressed in your project plan.