

P1484.13.6

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Type of Project: New IEEE Standard

PAR Request Date: 25-Jun-2009

PAR Approval Date: 11-Sep-2009

PAR Expiration Date: 31-Dec-2013

Status: PAR for a New IEEE Standard

Project Record: 1484.13.6

1.1 Project Number: P1484.13.6

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Learning Technology - Open Archives Initiative Object Reuse and Exchange Abstract Model (OAI-ORE) - Mapping to the Conceptual Model for Resource Aggregation

3.1 Working Group: Resource Aggregation Models for Learning Education and Training (C/LT/RMLTWG13)

Contact Information for Working Group Chair

Name: Kerry Blinco

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Contact Information for Working Group Vice-Chair

None

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

Contact Information for Sponsor Chair

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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 Sponsor Ballot: 05/2010

4.3 Projected Completion Date for Submittal to RevCom: 08/2010

5.1 Approximate number of people expected to be actively involved in the development of this project: 10

5.2 Scope: 5.2 Scope of Proposed Standard: This Recommended Practice specifies how the elements and attributes defined in the Open Archives Initiative Object Reuse and Exchange (OAI-ORE) Abstract Model and expressed in the OAI-ORE Resource Map Implementation in RDF/XML relate to the components of the conceptual model for resource aggregation defined in IEEE Std 1484.13.1.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes please explain: IEEE Std 1484.13.1. As a result of work involved in preparing the base standard, IEEE STD 1484.13.1, Standard for Learning Technology -- Conceptual Model for Resource Aggregation for Learning, Education, and Training, much of the work on several recommend practices, including this Recommended Practice, has been done. Therefore, the working group feels that it would be more efficient to start drafting the Recommended Practices that define the mappings of various aggregation formats to the base standard now instead of waiting until IEEE Std 1484.13.1 is approved.

5.4 Purpose: The mapping specified in this Recommended Practice may be used with the mappings of other resource aggregation formats to achieve interoperability among the formats via the conceptual model defined in IEEE Std 1484.13.1.

5.5 Need for the Project: Different communities, such as the multimedia community, library community, technical documentation community, and learning technology community, have created their own specifications and standards for resource aggregations. Without a conceptual model and related mappings to inform the interpretation of these formats, it is difficult to create applications that can interoperate.

The Learning Technology Standards Committee 1484.13 Working Group has undertaken a project to produce an IEEE standard that defines a conceptual model for resource aggregations used in learning, education, and training applications. The Standard will

facilitate interoperability by enabling the interpretation of representations of resource aggregations and their properties. This Recommended Practice maps OAI-ORE to the conceptual model to enable interoperability between OAI-ORE and other aggregation formats.

5.6 Stakeholders for the Standard: Designers, developers, and vendors of learning management systems.
Designers, developers, and vendors of content management systems and content repositories.
Content developers, publishers, and aggregators. Bodies specifying resource aggregation formats.
Content consumers.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes

If yes please explain: This Recommended Practice contains text from the description of the elements and attributes of the OAI-ORE specification. Approval will be sought to include this text in this Recommended Practice. If approval can not be obtained the text will be referenced. Inclusion is the preferred option to improve the readability of this Recommended Practice. The OAI-ORE specification standard license is a Creative Commons Attribution-Noncommercial-Share Alike 3.0 Unported license.

6.1.b. Is the Sponsor 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 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Yes

Organization: ISO/IEC JTC1

Technical Committee Name: Information technology for learning, education and training

Technical Committee Number: SC36

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b. Joint Development

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

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): This Recommended Practice is one of a series of Recommended Practices that will map various aggregation formats to the base standard IEEE Std 1484.13.1. to facilitate interoperability among the formats.

1484.13.1 - Standard for Learning Technology - Conceptual Model for Resource Aggregation for Learning, Education, and Training