P1484.2

Submitter Email: jgoodell2@yahoo.com
Type of Project: New IEEE Standard
Project Request Type: Initiation / New
PAR Request Date: 16 Mar 2020
PAR Approval Date: 14 May 2020
PAR Expiration Date: 31 Dec 2024
PAR Status: Active

1.1 Project Number: P1484.2
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Project Title: Recommended Practice for Integrated Learner Record (ILR)

3.1 Working Group: Interoperable Learner Records Workgroup(C/LT/ILR WG)
    3.1.1 Contact Information for Working Group Chair:
    Name: Simone Ravaioli
    Email Address: simone.ravaioli@gmail.com
    3.1.2 Contact Information for Working Group Vice Chair:
    Name: Greg Nadeau
    Email Address: gnadeau@pcgus.com
3.2 Society and Committee: IEEE Computer Society/Learning Technology(C/LT)
    3.2.1 Contact Information for Standards Committee Chair:
    Name: Richard Tong
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    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 2020
4.3 Projected Completion Date for Submittal to RevCom: May 2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 40
5.2 Scope of proposed standard: The ILR Recommended Practices [1484.2] provides best practice guidance for learner records related to:
1. Identity and Trust
2. Open Ontology References
3. Verifiable Assertions
4. Integrated learner record payloads supporting the spectrum of formal or informal education and workplace learning, and military learning records.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Explanation: The ILR Recommended Practices will use definitions and concepts defined in the proposed revised 1481.1 Conceptual Model for Learning Technology Systems (CM4LTS).
5.4 Purpose: The purpose of the ILR Recommended Practices is to provide standard implementation guidance for integrating relevant technical standards.
5.5 Need for the Project: The need for this project was identified in the U.S. by the US Chamber of Commerce T3 Innovation Network and promoted by the White House to US Federal agencies in December, 2019. Members of the Digital Credential Consortium and W3C Credentials Communities Group (CCG) have similarly identified the need for this work. Multiple initiatives in Europe, including the Europass Digital Credential Infrastructure and European Blockchain Service Infrastructure, and in Asia point to the need for international recommended practices.
5.6 Stakeholders for the Standard: The stakeholders for this guide include those involved with the delivery of primary, secondary, post-secondary, workforce, and informal education providers.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?
Yes
Explanation: Public shared copyrighted material might be cited and referenced as both normative and informative. Permission might not be needed for this use. If necessary, the Working Group will seek all necessary permission.

6.1.2 Is the Standards Committee aware of possible registration activity related to this project?
Yes
Explanation: It is expected that registration services will be needed to support:
Self-Sovereign Identity and Access Control Trust Networks
Open Ontologies References
Verifiable Assertions
This group will work with the IEEE Registration Authority Committee (RAC) to determine what role, if any, IEEE will play in these registries. No new registry is proposed at this time. It is expected that this standard will recommend use of relevant open trusted services in accordance with published terms of use including, but not limited to:
Hyperledger
Open Taxonomy
IMS Global CASE Network
Credential Registry
PESC EdExchange
Europass

7.1 Are there other standards or projects with a similar scope? Yes
Explanation: This recommended practices may involve the application of existing and emerging standards, including:
IEEE 1484.20.1 - IEEE Standard for Reusable Competency Definition

7.1.1 Standards Committee Organization: IEEE
  Project/Standard Number: IEEE 1484.20.1
  Project/Standard Date:
  Project/Standard Title: IEEE Standard for Learning Technology—Data Model for Reusable Competency Definitions

7.1.2 Standards Committee Organization: W3C
  Project/Standard Number: https://w3c.github.io/did-core/
  Project/Standard Date: 05 Mar 2020
  Project/Standard Title: Distributed Identity (DID)

7.1.3 Standards Committee Organization: IMS Global
  Project/Standard Number: https://www.imsglobal.org/activity/case
  Project/Standard Date: 07 Jul 2017
  Project/Standard Title: Competency and Academic Standards Exchange

7.1.4 Standards Committee Organization: Credential Engine
  Project/Standard Number: https://credreg.net/ctdl/release?releaseid=20200228
  Project/Standard Date: 28 Feb 2020
  Project/Standard Title: CTDL

7.2 Is it the intent to develop this document jointly with another organization? Yes
  7.2.1 Organization: W3C
    Technical Committee Name: Credential Communities Group (CCG)
    Technical Committee Number: https://www.w3.org/community/c

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8.1 Additional Explanatory Notes : The following acronyms, names, and abbreviations are used in this PAR:
CASE - Competency and Academic Standards Exchange (a standard of IMS Global)
CCG - Credential Community Group (a community group of the W3C)
CM4LTS - Conceptual Model for Learning Technology Systems
CTDL - Credential Transparency Description Language (a data definition developed by the Credential Engine)
DID - Decentralized Identifier (and the broader concept of Distributed Identity)
ILR - Integrated Learner Record (a.k.a. Interoperable Learner Record)
IMS - Originally "Instructional Management System," used here it is the name of a standards organization. (The 1997, Instructional Management System project of EDUCAUSE was a predecessor to the standards organization "IMS Global" also known as "IMS".)
RAC - Registration Authority Committee
W3C - World Wide Web Consortium