
P9274.4.2

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Type of Project: New IEEE Standard

Project Request Type: Initiation / New

PAR Request Date: 10 Sep 2019

PAR Approval Date: 07 Nov 2019

PAR Expiration Date: 31 Dec 2023

PAR Status: Active

1.1 Project Number: P9274.4.2

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Project Title: Recommended Practice for Cybersecurity in the Implementation of the Experience Application Programming Interface (xAPI)

3.1 Working Group: xAPI Cybersecurity(C/LT/xAPI-C)

3.1.1 Contact Information for Working Group Chair:

Name: Shelly Blake-Plock

Email Address: shelly@yetanalytics.com

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: Feb 2021

4.3 Projected Completion Date for Submittal to RevCom: Jan 2022

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

5.2 Scope of proposed standard: This recommended practice describes the technical implementation of cybersecurity for xAPI and includes information an implementer would find useful related to matters of best practice in privacy and security, and related matters in conformance and testing. This recommended practice is directly related to P9274.1.1.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Explanation: The proposed standard is a recommended practice for Cybersecurity as relates to P9274.1.1.

5.4 Purpose: The purpose of this recommended practice is to provide cybersecurity guidance to technical implementers of xAPI.

5.5 Need for the Project: xAPI (as currently being standardized as IEEE P9274.1.1) provides interoperability in the ability to track learning and performance data. This recommended practice will provide clear guidance to all aspects of cybersecurity for xAPI implementation. Designed for use by engineers and other technical implementers, this recommended practice will help define best practices in cybersecurity so as to provide documentation that can describe and support secure deployments of xAPI and new innovations in data interoperability and learning analytics globally across verticals.

5.6 Stakeholders for the Standard: Stakeholders include the entire learning, education, and training supply chain. This includes developers, vendors, and consumers of tools and technology used to author, publish, deliver, store, and analyze digital content and data related to learning, education, and training. Stakeholders include corporate, academic, and government training organizations, institutions that provide formal and informal education, the publishers that provide content to them, and learning management systems, learning record stores, learning experience platforms, and related vendors.

6.1 Intellectual Property

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

Yes

Explanation: The xAPI Specification Version 1.0.3 is copyrighted by the Advanced Distributed Learning (ADL) Initiative, U.S. Department of Defense and is licensed under Apache License, Version 2.0 available at <http://www.apache.org/licenses/LICENSE-2.0>.

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? Yes

Explanation: This is a recommended practice for the base standard currently under development with the title JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

7.1.1 Standards Committee Organization: LTSC

Project/Standard Number: 9274.1.1

Project/Standard Date: 10 May 2018

Project/Standard Title: JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

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

8.1 Additional Explanatory Notes: Experience API (xAPI) Specification Version 1.0.3

<https://github.com/adlnet/xAPI-Spec>

P9274.1.1 JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access. Currently under development in the 9274 Working Group.

This project was granted, as part of the IEEE SA's open source pilot program, permission to develop an open source project that shall be distributed under the terms of the Apache 2.0 license.