P2834

Submitter Email: saliah@teluq.ca
Type of Project: New IEEE Standard
Project Request Type: Initiation / New
PAR Request Date: 23 Jul 2019
PAR Approval Date: 05 Sep 2019
PAR Expiration Date: 31 Dec 2023
PAR Status: Active

1.1 Project Number: P2834
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Secure and Trusted Learning Systems

3.1 Working Group: Standard for Secure and Trusted e-Learning Systems(EDU/SC/SSTLS)
    3.1.1 Contact Information for Working Group Chair:
    Name: Hamadou Saliah-Hassane
    Email Address: saliah@teluq.ca
    3.1.2 Contact Information for Working Group Vice Chair:
    Name: Avron Barr
    Email Address: avron@aldo.com
3.2 Society and Committee: IEEE Education Society/Standards Committee(EDU/SC)
    3.2.1 Contact Information for Standards Committee Chair:
    Name: Hamadou Saliah-Hassane
    Email Address: saliah@teluq.ca
    3.2.2 Contact Information for Standards Committee Vice Chair:
    None
    3.2.3 Contact Information for Standards Representative:
    None
3.3 Co-Stds Committee(s):
    3.3.1 IEEE Computer Society/Learning Technology (C/LT)
    Contact Information for Standards Committee Chair:
    Name: Avron Barr
    Email Address: avron@aldo.com
    3.3.2 IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee (IES/IES)
    Contact Information for Standards Representative:
    Name: Victor Huang
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Dec 2021
4.3 Projected Completion Date for Submittal to RevCom: Oct 2022

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 specifies technical requirements for student data management and privacy protection in Learning online systems and services.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
5.4 Purpose: This standard specifies technical requirements and conformance criteria that help learning systems comply with the most common student data protection regulations that exist in K12 and Higher Education.
5.5 Need for the Project: As educational institutions increasingly embrace automation, issues involving the protection of student data have become critical to market adoption of new technologies: competency management, universal student records, AI tutors, immersive practice environments, and many more. National and regional regulations are now appearing, requiring a variety of assurances and protections of users' data in all systems, with some special restrictions for data concerning children and students. As institutions adopt cloud-based software services as part of their distance-education or blended-education

offerings, the data security issues become even more complex and more critical to the acceptance of these new online service offerings.There is a need for standards that developers of Learning systems can follow and third parties can test against to provide the market with confidence that student data is properly protected and managed.

5.6 Stakeholders for the Standard: Schools, Colleges, universities, publishers, educational software and hardware vendors, educators, students, student parents, national and international educational institution policy makers and managers.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?
No

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 :