

P802.1X

Type of Project: Revision to IEEE Standard 802.1X-2020

Project Request Type: Initiation / Revision

PAR Request Date: 29 Jul 2025

PAR Approval Date: 10 Sep 2025

PAR Expiration Date: 31 Dec 2029

PAR Status: Active

Root Project: 802.1X-2020

1.1 Project Number: P802.1X

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks—Port-Based Network Access Control

Change to Title: ~~IEEE Standard for Local and Metropolitan Area Networks—~~ Port-Based Network Access Control

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LAN/MAN/802.1 WG)

3.1.1 Contact Information for Working Group Chair:

Name: Glenn Parsons

Email Address: glenn.parsons@ericsson.com

3.1.2 Contact Information for Working Group Vice Chair:

Name: Jessy Rouyer

Email Address: jessy.rouyer@nokia.com

3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LAN/MAN)

3.2.1 Contact Information for Standards Committee Chair:

Name: James Gilb

Email Address: gilb_ieee@tuta.com

3.2.2 Contact Information for Standards Committee Vice Chair:

Name: David Halasz

Email Address: dave.halasz@ieee.org

3.2.3 Contact Information for Standards Representative:

Name: George Zimmerman

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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: Nov 2028

4.3 Projected Completion Date for Submittal to RevCom: Jul 2029

5.1 Approximate number of people expected to be actively involved in the development of this project: 30

5.2 Scope of proposed standard: For the purpose of providing compatible authentication, authorization, and cryptographic key agreement mechanisms to support secure communication between devices connected by IEEE 802(R) Local Area Networks (LANs), this standard a) Specifies a general method for provision of port-based network access control. b) Specifies protocols that establish secure associations for IEEE Std 802.1AE(TM) MAC Security. c) Facilitates the use of industry standard authentication and authorization protocols.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
Change to Is the completion of this standard contingent upon the completion of another standard? ~~Yes~~ No

5.4 Purpose: IEEE 802 LANs are deployed in networks that convey or provide access to critical data, that support mission critical applications, or that charge for service. Protocols that configure, manage, and regulate access to these networks and network-based services and applications typically run over the networks themselves. Port-based network access control regulates access to the network, guarding against transmission and reception by unidentified or unauthorized parties, and consequent network disruption, theft of service, or data loss.

5.5 Need for the Project: This project will include technical and editorial corrections to existing functionality and approved amendments and corrigenda at the time of project completion.

Change to Need for the Project: This revision is needed to project incorporate will amendments

~~include IEEE technical Std and 802.1Xbx editorial and corrections IEEE to P802.1Xck. existing It functionality will and also address approved errors amendments and omissions corrigenda in at the description time of existing project functionality completion.~~

5.6 Stakeholders for the Standard: Designers, implementers, manufacturers, distributors, and users of local area networking equipment.

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?

Yes

Explanation: Registration Authority Committee (RAC) review of previously reviewed text is appropriate to assure terminology and descriptions of usage are correct and up to date.

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: