

P802.1AE

Type of Project: Revision to IEEE Standard 802.1AE-2018

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: 802.1AE-2018

1.1 Project Number: P802.1AE

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks—Media Access Control (MAC) Security

Change to Title: ~~IEEE Standard for Local and metropolitan~~ Metropolitan area Area networks—
Networks— Media Access Control (MAC) Security

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

Email Address: george@cmephyconsulting.com

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:
Mar 2028

4.3 Projected Completion Date for Submittal to RevCom: Nov 2028

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

5.2 Scope of proposed standard: The scope of this standard is to specify provision of connectionless user data confidentiality, frame data integrity, and data origin authenticity by media access independent protocols and entities that operate transparently to MAC Clients.

5.3 Is the completion of this standard contingent upon the completion of another standard? No

5.4 Purpose: This document will not include a purpose clause.

Change to Purpose: ~~This standard will facilitate secure communication over publicly accessible LAN/MAN media for which security has not already been defined, and allow the use of IEEE Std 802.1X, already widespread and supported by multiple vendors, in additional applications.~~

5.5 Need for the Project: Revision of this successful standard, published in 2018, is timely. This project will incorporate the existing approved amendment, IEEE Std 802.1AEdk-2023. It will also address editorial and technical corrections to existing functionality and incorporate any approved amendments and corrigenda at the time of project completion.

Change to Need for the Project: ~~This Revision revision of project this successful standard, published in 2018, is needed timely. This project to will incorporate approved amendments the IEEE existing Stds approved 802.1AEbn amendment, 802.1AEbw, IEEE and Std 802.1AEcg 1AEdk-2023 . It will also resolve address editorial and technical corrections to existing functionality and incorporate any~~

~~maintenance~~ approved items amendments and corrigenda at the ~~submitted time~~ on ~~of~~ ~~IEEE Std~~ project 802.1AE completion.

5.6 Stakeholders for the Standard: Developers and users of 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: RAC review of previously approved registry related text is appropriate to ensure that the text remains 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: #5.5 IEEE Std 802.1AEdk-2023 Media Access Control (MAC) Security - Amendment 4: MAC Privacy Protection