P802.1AE

Type of Project: Revision to IEEE Standard 802.1AE-2018
Project Request Type: Initiation / Revision
PAR Request Date:
PAR Approval Date:
PAR Expiration Date:
PAR Status: Draft
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 area 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: Apr 2027
4.3 Projected Completion Date for Submittal to RevCom: Apr 2028

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
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? Yes
Change to Is the completion of this standard contingent upon the completion of another standard? ~~No~~ Yes
Explanation: This is a maintenance roll-up of IEEE Std 802.1AE-2018 with the amendment of IEEE Std 802.1AEdk. Depending on its progress to approval, P802.1AExx or other amendments in progress may also be included.
Change to Explanation: This is a maintenance roll-up of IEEE Std 802.1AE-2018 with the amendment of IEEE Std 802.1AEdk. Depending on its progress to approval, P802.1AExx or other amendments in progress may also be included.
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: This revision project is needed to incorporate approved amendment IEEE Std

802.1AEdk-2023. It will also include any technical and editorial corrections to the existing functionality of IEEE Std 802.1AE.

Change to Need for the Project: This revision project is needed to incorporate approved ~~amendments~~ _amendment_ IEEE ~~Stds~~ _Std_ 802. ~~1AEbn, 802.1AEbw, and 802.1AEcg~~ _1AEdk-2023_ . It will also ~~resolve~~ _include_ any ~~maintenance~~ _technical and editorial corrections to the_ ~~items~~ _existing_ ~~submitted~~ _functionality_ ~~on~~ _of_ IEEE Std 802.1AE.

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: There are existing registrations defined by IEEE Std 802.1AE. There are no planned additions with this revision.

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: #5.3.1 P802.1AExx - Media Access Control (MAC) Security - Amendment 5: Ascon Cipher Suite

#5.4 In the PDF generated by myProject from the PAR, but not in the form shown when editing the PAR, 5.4 has been automatically populated by MyProject to show deleted text. No revision of the base standard for this project, since and including the first approved in 2006, has include a Purpose clause. The original PAR, as submitted to Nescom included a section 13 with the text shown in 5.4 with the following heading:
" 13. Purpose of Proposed Project:
[Intended users and user benefits. REVISION STANDARDS - Purpose of the original
standard and reason for the standard's revision. Please be brief (less than 5
lines).]"
It appears the Section addressed the issue later reflected in Section 5.5 Need for the Project.

#5.5 In the PDF generated by myProject from the PAR, but not in the form shown when editing the PAR, 5.5 shows a "Change to the Need for the Project". This simply reflects differences between the current project and the project which resulted in IEEE Std 802.1AE-2018, which incorporated prior amendments.