P802.1CMxy

Submitter Email: janos.farkas@ericsson.com
Type of Project: Amendment to IEEE Standard 802.1CM-2018
PAR Request Date: 04-Sep-2018
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802.1CMxy
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks -- Time-Sensitive Networking for Fronthaul
Amendment: Extensions for Fronthaul Interface, Synchronization, and Syntonization Enhancements

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
  Name: John Messenger
  Email Address: j.l.messenger@ieee.org
  Phone: +441904699309
Contact Information for Working Group Vice-Chair
  Name: Jessy Rouyer
  Email Address: jessy.rouyer@nokia.com
  Phone: +1 469 661 2093

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
Contact Information for Sponsor Chair
  Name: Paul Nikolich
  Email Address: p.nikolich@ieee.org
  Phone: 8572050050
Contact Information for Standards Representative
  Name: James Gilb
  Email Address: gilb@ieee.org
  Phone: 858-229-4822

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2021
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2022

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
5.2.a. Scope of the complete standard: This standard defines profiles that select features, options, configurations, defaults, protocols and procedures of bridges, stations, and LANs that are necessary to build networks that are capable of transporting fronthaul streams, which are time-sensitive.
NOTE--Stream and flow are used as synonyms in this document

5.2.b. Scope of the project: This amendment defines extensions to the selected features, options, configurations, defaults, protocols and procedures of bridges, stations, and LANs in order to address new fronthaul interface requirements and to take advantage of new synchronization and syntonization developments.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of this standard is to specify defaults and profiles that enable the transport of time-sensitive fronthaul streams in Ethernet bridged networks.

5.5 Need for the Project: The fronthaul interfaces supported by the base standard have been developed, which may imply new requirements towards the fronthaul bridged network. The synchronization and syntonization solutions that the base standard relies on are being enhanced. These developments should be addressed by extending the fronthaul profiles and synchronization solutions.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment, such as bridge and NIC suppliers and vendors, network operators, testers, and users.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor 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 Joint Development
  Is it the intent to develop this document jointly with another organization?: No

---

8.1 Additional Explanatory Notes: 5.2: The transport link between the radio equipment and the radio equipment controller is referred to as fronthaul.
5.5: A fronthaul network is a bridged network supporting the fronthaul.