P802.1AX-2014/Cor 1

Submitter Email: gparsons@ieee.org
Type of Project: Corrigendum to IEEE Standard 802.1AX-2014
PAR Request Date: 14-Jul-2015
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a Corrigendum to an existing IEEE Standard

1.1 Project Number: P802.1AX-2014/Cor 1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks -- Link Aggregation
- Corrigendum 1: Technical and Editorial Corrections

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
  Name: Glenn Parsons
  Email Address: gparsons@ieee.org
  Phone: 613-963-8141
Contact Information for Working Group Vice-Chair
  Name: John Messenger
  Email Address: jmessenger@advaoptical.com
  Phone: +441904699309

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: 857.205.0050
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: 07/2016
4.3 Projected Completion Date for Submittal to RevCom: 02/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
5.2.a. Scope of the complete standard: Link Aggregation provides protocols, procedures, and managed objects that allow the following: One or more parallel instances of full-duplex point-to-point links to be aggregated together to form a Link Aggregation Group (LAG), such that a MAC Client can treat the LAG as if it were a single link.; A resilient interconnect using multiple full-duplex point-to-point links among one to three nodes in a
network and one to three nodes in another, separately administered, network, along with a means to ensure that frames belonging to any given service will use the same physical path in both directions between the two networks. This standard defines the MAC-independent Link Aggregation capability and general information relevant to specific MAC types that support Link Aggregation. The capabilities defined are compatible with previous versions of this standard.

5.2.b. Scope of the Proposed changes: This corrigendum to IEEE Std 802.1AX-2014 corrects minor errors, bugs, ambiguities, omissions and inconsistencies that have been identified by the 802.1 maintenance activity. It does not contain new material.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: Link Aggregation allows the establishment of full-duplex point-to-point links that have a higher aggregate bandwidth than the individual links that form the aggregation, and the use of multiple systems at each end of the aggregation. This allows improved utilization of available links in bridged local area network (LAN) environments, along with improved resilience in the face of failure of individual links or systems. In applications connecting separately administered networks, the networks are isolated from each other's fault recovery events.

5.5 Need for the Project: The maintenance activity has identified errors in the standard that need to be corrected with some urgency as they affect implementations in the field.

5.6 Stakeholders for the Standard: Developers, distributors and users of Link Aggregation systems.

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

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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

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8.1 Additional Explanatory Notes (Item Number and Explanation):