

P802.1AB-2009/Cor 2

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Type of Project: Corrigendum to IEEE Standard 802.1AB-2009

PAR Request Date: 12-Nov-2013

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for a Corrigendum to an existing IEEE Standard

1.1 Project Number: P802.1AB-2009/Cor 2

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and Metropolitan Area Networks-- Station and Media Access Control Connectivity Discovery
- Corrigendum 2: Technical and editorial corrections

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)

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

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2014

4.3 Projected Completion Date for Submittal to RevCom: 08/2015

5.1 Approximate number of people expected to be actively involved in the development of this project: 40

5.2.a. Scope of the complete standard: The scope of this standard is to define a protocol and management elements, suitable for advertising information to stations attached to the same IEEE 802 LAN, for the purpose of populating physical topology and device discovery management information databases. The protocol facilitates the identification of stations connected by IEEE 802 LANs/MANs, their points of interconnection, and access points for management protocols.

This standard defines a protocol that

a) Advertises connectivity and management information about the local station to adjacent stations on the same IEEE 802 LAN.

b) Receives network management information from adjacent stations on the same IEEE 802 LAN.

c) Operates with all IEEE 802 access protocols and network media.

d) Establishes a network management information schema and object definitions that are suitable for storing connection information about adjacent stations.

e) Provides compatibility with the IETF PTOPO MIB (IETF RFC 2922 [B14]).

5.2.b. Scope of the Proposed changes: Correction of technical and editorial errors identified by the IEEE 802.1 maintenance activity.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: An IETF MIB (IETF RFC 2922 [B14]), as well as a number of vendor specific MIBs, have been created to describe a network's physical topology and associated systems within that topology.

This standard specifies the necessary protocol and management elements to a) Facilitate multi-vendor inter-operability and the use of standard management tools to discover and make available physical topology information for network management.

b) Make it possible for network management to discover certain configuration inconsistencies or malfunctions that can result in impaired communication at higher layers.

c) Provide information to assist network management in making resource changes and/or reconfigurations that correct configuration inconsistencies or malfunctions identified in b) above.

5.5 Need for the Project: The IEEE 802.1 maintenance activity has identified a small number of corrections to the base text that are needed in order to correct technical and/or editorial errors in the existing text. The corrigendum will correct these errors.

5.6 Stakeholders for the Standard: Manufacturers, distributors, and users of LAN equipment and services.

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 (Item Number and Explanation):