

P802.3bf

Submitter Email: david_law@ieee.org

Type of Project: Amendment to IEEE Standard 802.3-2008

PAR Request Date: 21-Sep-2009

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard 802.3-2008

1.1 Project Number: P802.3bf

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Information technology--Telecommunications and information exchange between systems--Local and metropolitan area networks--Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media Access Control (MAC) service interface and management parameters to support time synchronization protocols

3.1 Working Group: Ethernet Working Group (C/LM/WG802.3)

Contact Information for Working Group Chair

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3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM)

Contact Information for Sponsor Chair

Name: Paul Nikolich

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Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2011

4.3 Projected Completion Date for Submittal to RevCom: 06/2011

5.1 Approximate number of people expected to be actively involved in the development of this project: 15

5.2 Scope: Amend IEEE Std 802.3-2008 to extend the Media Access Control service interface and add management parameters to provide support for the IEEE 802.1AS time synchronization protocol.

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

5.4 Purpose: Provide an accurate indication of the transmission and reception initiation times of certain packets as required to support IEEE P802.1AS.

5.5 Need for the Project: Ethernet can be applied in many new applications if a time synchronization capability is added. Potential new applications include: Audio-Video bridging; telecommunications; wireless backhaul; industrial control and SmartGrid. For example Audio-Video bridging is targeted at mass market consumer electronic products.

5.6 Stakeholders for the Standard: Stakeholders identified to date includes but are not limited to:

users and producers of systems and components for Audio-Video bridging, telecommunications, wireless backhaul, industrial control and SmartGrid.

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 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):