# 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 SpecificationsAmendment: 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

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**8.1 Additional Explanatory Notes (Item Number and Explanation):**