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This PAR is valid until 31-Dec-2010. The original PAR was approved on 25-May-2006
PAR Extension Request Date: 14-Jul-2010
Extension Request Submitter Email: tony@jeffree.co.uk
Why is an extension required?: The project is currently at initial Sponsor ballot, and the first recirculation will occur before September 2010; however, there is a high probability that Sponsor balloting will not complete prior to the PAR expiry date of December 2010.

Do the title, scope and purpose match that of the current draft?: Yes
Number of Previous Extensions Requested: 0
Number of Years Being Requested: 2
Document Development Information
   a. What date did you begin writing the first draft?: 14-Jul-2006
   b. How many people are actively working on the project?: 30
   c. How many times a year does the working group meet?
    In person?: 6
    Via teleconference?: 30
   d. How many times a year is a draft circulated to the working group via electronic means?: 4
   e. What percentage of the Draft is stable?: 95%
   f. How many significant work revisions has the Draft been through?: 12
Project Plan
   When will IEEE sponsor balloting begin?: 26-Mar-2010
   When do you estimate that the final IEEE Sponsor ballot will be completed?: 01-Jul-2010
   When do you expect to submit the proposed standard to RevCom?: 31-Jul-2010
Has this document already been adopted by another source?: No

For an extension request, the information on the original PAR below is not open to modification.

Type of Project: New IEEE Standard

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

2.1 Title: Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
   Name: Anthony Jeffree
   Email Address: tony@jeffree.co.uk
   Phone: +44-161-973-4278
Contact Information for Working Group Vice-Chair
   Name: Paul Congdon
   Email Address: paul.congdon@hp.com
   Phone: 916-785-5753

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
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2009
4.3 Projected Completion Date for Submittal to RevCom: 07/2010

5.1 Approximate number of people expected to be actively involved in the development of this project: 60
5.2 Scope: This standard specifies the protocol and procedures used to ensure that the synchronization requirements are met for time sensitive applications, such as audio and video, across Bridged and Virtual Bridged Local Area Networks consisting of LAN media where the transmission delays are fixed and symmetrical; for example, IEEE 802.3 full duplex links. This includes the maintenance of synchronized time during normal operation and following addition, removal, or failure of network components and network reconfiguration. It specifies the use of IEEE 1588 specifications where applicable in the context of IEEE Stds 802.1D and 802.1Q. Synchronization to an externally provided timing signal (e.g., a recognized timing standard such as UTC or TAI) is not part of this standard but is not precluded.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This standard enables stations attached to bridged LANs to meet the respective jitter, wander, and time synchronization requirements for time-sensitive applications.

5.5 Need for the Project: The use of current IEEE 802 technologies for time sensitive applications, such as high quality audio/video streaming, does not assure that the applications can present data with acceptable jitter, wander, and deviation in time. This includes applications that involve multiple streams delivered to multiple endpoints. To facilitate the widespread use of bridged LANs for these applications, synchronization information is one of the components needed at each network element where time-sensitive application data are mapped or demapped or a time sensitive function is performed. The synchronization information provided to each network element will allow the jitter, wander, and time synchronization requirements of demanding applications, such as in a residential environment, to be met. Existing time synchronization standards, IEEE Std. 1588-2002 and IETF Request for Comments: 1305 (Network Time Protocol), because they operate at layer 3, impose unacceptable operational complexity and implementation costs on a developer of AV equipment. This standard will leverage the work of the IEEE 1588 WG to develop the additional specifications needed to address these requirements.

5.6 Stakeholders for the Standard: The stakeholders are any developer of AV equipment.

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?: Yes
If Yes please explain: The project specifies the use of IEEE 1588 specifications where applicable in the context of IEEE Stds 802.1D and 802.1Q.
and answer the following
  Sponsor Organization: IEEE Instrumentation & Measurement Society
  Project/Standard Number: P1588/D1.2
  Project/Standard Date:
  Project/Standard Title: March 2006
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): Titles referenced are as follows: IEEE Std 802.3-2005, IEEE Standard for Information technology--Telecomunications and information exchange between systems--Local and metropolitan area networs-- specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specification; IEEE Std 802.1D-2004, IEEE Standard for Local and metropolitan area networks: Media Access Control (MAC) Bridges; IEEE Std 802.1Q-2005, IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks

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