**P1722**

**Submitter Email:** dolsen@harman.com  
**Type of Project:** Revision to IEEE Standard 1722-2011  
**PAR Request Date:** 27-Mar-2014  
**PAR Approval Date:**  
**PAR Expiration Date:**  
**Status:** Unapproved PAR, PAR for a Revision to an existing IEEE Standard  

1.1 **Project Number:** P1722  
1.2 **Type of Document:** Standard  
1.3 **Life Cycle:** Full Use  

2.1 **Title:** IEEE Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network  

**Changes in title:** IEEE Standard for Layer 2a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network  

3.1 **Working Group:** Audio/Video Bridging Layer2 Transport (C/MSC/P1722)  

**Contact Information for Working Group Chair**  
Name: David Olsen  
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**Contact Information for Working Group Vice-Chair**  
None  

3.2 **Sponsoring Society and Committee:** IEEE Computer Society/Microprocessor Standards Committee (C/MSC)  

**Contact Information for Sponsor Chair**  
Name: p eastman  
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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:** 01/2016  
4.3 **Projected Completion Date for Submittal to RevCom:** 10/2016  

5.1 **Approximate number of people expected to be actively involved in the development of this project:** 20  
5.2 **Scope:** This standard specifies the protocol, data encapsulations, and synchronization procedures used to enable interoperability between time sensitive audio, video and control applications using the quality of service capabilities provided by IEEE 802 Time Sensitive Networking standards.  

**Changes in scope:** This standard specifies the protocol, data encapsulations, and synchronization procedures used to enable interoperability between time sensitive audio and video based control applications using the quality of service capabilities provided by all IEEE 802 networks.  

5.3 **Is the completion of this standard dependent upon the completion of another standard:** No  
5.4 **Purpose:** This standard facilitates interoperability between end stations that transport time-sensitive media across LANs providing time synchronization, latency and bandwidth services by defining additional packet format protocols, synchronization mechanisms and diagnostic counters.  

**Changes in purpose:** This standard will facilitate interoperability between end stations that transport time-sensitive audio media and/or video across LANs providing time synchronization, latency and bandwidth services by defining additional packet format protocols, and synchronization mechanisms and diagnostic counters.  

5.5 **Need for the Project:** IEEE 1722 - 2011 has experienced rapid adoption in applications that stream audio and video. There is significant end-user and vendor interest in providing additional media formats that are not currently in the IEEE 1722 defined set of supported formats. These new media formats also address limitations related to format changes, channel count and encoder/decoder complexity that are imposed by the current standard.  

Additional functionality is also needed to provide services that are not currently addressed in IEEE 1722 such as system wide clock distribution and synchronization, and additional diagnostic information.
These additional features and formats are necessary to promote continued vendor adoption and interoperability, among devices that support IEEE 1722.

**5.6 Stakeholders for the Standard:** The stakeholders are developers and users of bridged LAN and end-point systems supporting time sensitive e.g. audio/video applications.

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<td>6.1.b. Is the Sponsor aware of possible registration activity related to this project?:</td>
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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 |

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