

P1722a

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Type of Project: Amendment to IEEE Standard 1722-2011

PAR Request Date: 26-Jul-2011

PAR Approval Date: 10-Sep-2011

PAR Expiration Date: 31-Dec-2015

Status: PAR for an Amendment to an existing IEEE Standard

Root Project: 1722-2011

1.1 Project Number: P1722a

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: IEEE Standard for Layer 2 Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network Amendment 1 - Extensible Streaming Formats

3.1 Working Group: Audio/Video Bridging Layer2 Transport (C/MS/CP1722)

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/MS/CP1722)

Contact Information for Sponsor Chair

Name: James Davis

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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: 11/2014

4.3 Projected Completion Date for Submittal to RevCom: 05/2015

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope: This standard specifies extensions to IEEE 1722 - 2011 to add extensible streaming formats that support media types that are not included in the previous standard, define media clock selection and synchronization services, and define diagnostic variables.

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

5.4 Purpose: This standard facilitates interoperability between stations that stream time-sensitive media across LANs providing time synchronization and latency/bandwidth services by defining additional packet format protocols, synchronization mechanisms and diagnostic variables.

5.5 Need for the Project: - IEEE 1722 - 2011 has experienced rapid adoption in applications that stream audio/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 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 media clock selection and synchronization and additional diagnostic information.

- These additional features and formats are necessary to ensure continued vendor interoperability among devices that support IEEE 1722.

5.6 Stakeholders for the Standard: Developers and users of bridged LAN and end-point systems supporting audio/video and other low latency streaming applications.

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):