P1722.1

Submitter Email: abutterworth@apple.com
Type of Project: Revision to IEEE Standard 1722.1-2013
PAR Request Date: 09-Aug-2015
PAR Approval Date: 
PAR Expiration Date: 
Status: Unapproved PAR, PAR for a Revision to an existing IEEE Standard

1.1 Project Number: P1722.1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Device Discovery, Connection Management, and Control Protocol for IEEE 1722(TM) Based Devices
Changes in title: Standard for Device Discovery, Connection Management, and Control Protocol for IEEE 1722(TM) Based Devices

3.1 Working Group: IEEE Standard Device Discovery, Connection Management and Control Protocol for P1722 based devices (C/MSC/P1722.1)
Contact Information for Working Group Chair
   Name: MATTHEW MORA
   Email Address: mxmora@apple.com
   Phone: 510 793-1672
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: Ralph Kearfott
   Email Address: rfb@louisiana.edu
   Phone: 337-993-1827
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: 01/2019
4.3 Projected Completion Date for Submittal to RevCom: 10/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
Changes in scope: This standard specifies the protocol, device discovery, connection management, and device control procedures used to facilitate interoperability between Systems that use IEEE 802 time sensitive networking standards.

5.2 Scope: This standard specifies the protocol, device discovery, connection management, and device control procedures used to facilitate interoperability between Systems that use IEEE 802 time sensitive networking standards. This standard defines the device discovery, connection management, Stream setup, control, and teardown protocols.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: This standard will rely upon:
IEEE Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks (P1722-REV)

5.4 Purpose: This standard will facilitate interoperability between Systems that stream time-sensitive media and data across local area networks which provide time synchronization and latency/bandwidth services. This standard defines the device discovery, connection management, Stream setup, control, and teardown protocols.
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5.5 Need for the Project: IEEE 1722.1-2013 has provided an interoperable way for audio and video Systems to be discovered, connected and controlled. As this industry has adopted IEEE 1722.1, new features have been identified that will continue and improve future adoption. These new features will maintain interoperability with existing Systems. In addition new applications using IEEE 802.1 standards have emerged that
have requirements which can be addressed within the scope of this standard.

A goal is to support configuring parameters of existing and new standards such as:
* generalized Precision Time Protocol (IEEE 802.1AS-2011 and IEEE P802.1AS-REV)
* Egress shapers (IEEE 802.1Q-2014 Clause 34, IEEE P802.1Qbv and IEEE P802.1Qbu)
* Parameterized SRP (IEEE P802.1Qcc)
* Redundant networks (IEEE P802.1CB and IEEE P802.1AS-REV)
* Ingress Policing (IEEE P802.1Qci)

Only standards that are complete within this standard's schedule will be included.

**5.6 Stakeholders for the Standard:** Developers and users of time sensitive LAN systems supporting audio/video and control applications.

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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?: No
7.2 Joint Development

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

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8.1 Additional Explanatory Notes (Item Number and Explanation):