IEEE P1722.1a New Work PAR

Draft 0.2
February, 2015

Title (2.1)

- IEEE Standard for Device Discovery, Connection Management, and Control Protocol for IEEE 1722™ Based Devices - Amendment for extensions to audio, video and new applications

Misc

- Number of people expected to work on standard (5.1)
    - 20
- Stakeholders (5.6)
    - Developers and users of bridged LAN and end-point systems supporting audio/video and control applications.

PAR Scope (5.2)

- Add commands for configuring network related parameters for end stations and network infrastructure
- Add support for new features of IEEE P1722-REV and IEEE 802.1 Time Sensitive Networking standards
- Improve management services for AVDECC based devices
- Maintain interoperability with IEEE 1722.1-2013 based devices

PAR Scope (5.3)

- Is the completion of this document contingent upon the completion of another document?
  - Yes, this standard will rely upon:
    - IEEE Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks (P1722-REV)

PAR Purpose (14)

- Currently IEEE 1722.1 supports configuring end stations. There is a need to expand this to configure bridges and end stations to support parameterized traffic class information and other protocol parameters.

- As new features are added to the protocols that IEEE 1722.1 manages, this standard needs to be updated to provide the support for managing those features.

- As the industry has adopted IEEE 1722.1, improvements have been identified that need to be included.

PAR Need (5.5)

- IEEE 1722.1-2013 has provided an interoperable way for audio and video devices 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. In addition new applications and markets using IEEE 802 media have emerged that need to be addressed.