

# IEEE 1722 – Revision PAR Draft par 0.1

Dave Olsen  
dave.olsen@harman.com

## Title (2.1)

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

# Misc.

- Number of people expected to work on standard (5.1)
  - 20
- Stakeholders (5.6)
  - Developers and users of bridged LAN and ~~stations end-point systems~~ supporting audio/video and other low latency, **time sensitive** ~~streaming~~ applications

## PAR Scope (5.2)

- This standard specifies extensions to IEEE 1722 - 2011 to add extensible ~~streaming~~ **transport** formats that support media types that are not included in the previous standard, ~~define media clock selection~~ and synchronization services, and define diagnostic variables.
- **While maintaining backwards compatibility**

## PAR Scope (5.3)

- Is the completion of this document contingent upon the completion of another document?
  - No

## New PAR Purpose (5.4)

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

# New Need (5.5)

- 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 **also** address limitations related to format changes, channel count and encoder/decoder complexity, and latency 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 **distribution** ~~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.