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# **IEEE Standard to Enable Audio and Video Streaming over 802 Networks Moves to Sponsor Ballot**

**New Standard will Improve Streaming of Audio and Video Applications**

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**PISCATAWAY, N.J., USA**, xx July 2009 -- IEEE announced today that the first standard in a project to synchronize audio and video communications has moved to sponsor ballot.

IEEE P802.1Qav™, "IEEE Standard for Local and Metropolitan Area Networks--- Virtual Bridged Local Area Networks - Amendment: Forwarding and Queuing Enhancements for Time-Sensitive Streams," will improve streaming audio and video applications over bridged local-area networks (LANs) by providing performance guarantees that allow for time-sensitive traffic in a local area network and harmonize delay, jitter, and packet loss for wired, wireless, and mixed wired/wireless L2 networks.

When completed, the standard will allow streaming audio, video and related content to be delivered with a very small and bounded delay. "Current proprietary networks are hard to configure and very expensive," says Michael Johas Teener, Task Group Chair for the Audio Video Bridging (AVB) task group within the IEEE 802.1 Working Group. "Systems engineers want to use IEEE 802™ standards-based networks such as Ethernet and WiFi, but they also want a guarantee of low delay. They need a more self-configuring system, which IEEE P802.1Qav will provide without the need for time-consuming resource management."

"This standard has come together quickly thanks to the hard work and cooperation of the audio and video community," says Tony Jeffree, chair of the Higher Layer LAN Protocols Working Group, which is developing the standard. "A wide range of groups has come together to develop the simplest and best approach, without any acrimony or controversy. This is a great example of how engineers can work together when they focus on solving a problem, and an excellent example of the IEEE standardization process at its best."

IEEE P802.1Qav is the first of the AVB standards going to ballot. The next two are IEEE P802.1AS™, which tightly specifies how to do precise synchronization (allowing, for example, multiple networked loudspeakers playing the same audio signal to operate in

phase, synchronized within one microsecond), and IEEE P802.1Qat™, which specifies how to reserve resources in a network for delivery of video and audio streams.

IEEE P802.1Qav is sponsored by the IEEE 802 Standards Committee of the IEEE Computer Society. For further information on IEEE 802 standards projects, visit <http://www.ieee802.org>.

For more information on the IEEE 802.1 Audio/Video Bridging Task Force, visit <http://www.ieee802.org/1/pages/avbridges.html>

### **About the IEEE Standards Association**

The IEEE Standards Association, a globally recognized standards-setting body, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of 900 active standards and more than 400 standards under development. For information on the IEEE-SA, see: <http://standards.ieee.org>.

### **About IEEE**

IEEE (Institute of Electrical and Electronics Engineers, Inc.), the world's largest technical professional society, is commemorating its 125th anniversary in 2009 by "Celebrating 125 Years of Engineering the Future" around the globe. Through its more than 375,000 members in 160 countries, IEEE is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Dedicated to the advancement of technology, IEEE publishes 30 percent of the world's literature in the electrical and electronics engineering and computer science fields, and has developed nearly 900 active industry standards. The organization annually sponsors more than 850 conferences worldwide. Additional information about IEEE can be found at <http://www.ieee.org>.

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