IEEE 1722 Working Group
Liaison Communication

Source:	IEEE 1722 Working Group[1]	
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	Don Pannell	Secretary, IEEE 1722 Working Group donald.pannell@nxp.com
Subject:	Liaison to IEEE 802.1 regarding IEEE 1722's new work and our willingness to transfer ownership of the MAAP (MAC Address Acquisition Protocol) to 802.1	

Dear John,

The IEEE 1722 Working Group is starting a new amendment PAR (IEEE P1722b) to make additions/changed to IEEE 1722-2016. This transport protocol standard is used for time-sensitive data.

The first standard, IEEE 1722-2011, was developed to complete the Audio Video Bridging (AVB) work that was going on in the IEEE 802.1 Working Group, as a Talker to Listener encapsulation of audio and video samples with appropriate timestamps was needed.

A subsequent standard, IEEE 1722-2016, was developed to support the Time Sensitive Networking (TSN) work that is ongoing in the IEEE 802.1 Working Group. This standard added support for control formats, such as CAN, LIN, etc., while at the same time expanding the audio and video formats.

[1] This document solely represents the views of the IEEE 1722 Working Group, and does not necessarily represent a position of the IEEE, nor the IEEE Standards Association.

The new project (IEEE P1722b) will be adding new frame formats based on inputs from contributors. This is an invitation to IEEE 802.1 and its participants, to participate in this new work. This is a great opportunity to influence additions to the ongoing work in IEEE 1722.

It has also come to our attention that IEEE 802.1 is developing a standard in the P802.1CQ project, on Multicast and Local Address Assignment and that this work is assigned to the OmniRAN Task Group. We understand that there is an interest to investigate the potential usefulness of IEEE 1722's MAC Address Acquisition Protocol (MAAP) for use in this work.

MAAP was standardized in IEEE 1722-2011 (Annex B) and has not been changed since then. It was developed to complete the desired plug-and-play nature of IEEE 802.1's AVB systems and it has been deployed quite extensively with great success.

During the development of MAAP, it was realized by the group, that IEEE 802.1 would be a better keeper of this standard if it ever needed to be enhanced and/or improved. This is simply because of 802.1's extensive experience with large networking problems, the larger size of the group's participants, and its consistency of activity.

Since IEEE 1722b's PAR work has not been completed, now would be a good time to work with IEEE 802.1 to determine what changes, if any, are needed in the IEEE 1722 standard to support the needs of P802.1CQ. Since MAAP is deployed, we need to insure backwards compatibility. To this end IEEE 1722 is willing to help review your documents to insure this. We also understand there are concerns about the ownership of the 1722 OUI and Ethertype. These are in the process of being clarified and IEEE P1722b can carve out a range of Ethertype Subtypes as well as MAC addresses (if necessary) for sole use of IEEE 802.1.

What are the next steps we need to do so that the two groups can work together? The next IEEE 1722b call will be Tuesday July 30th at 8:00am PST. Please join us. More information will be posted at: http://grouper.ieee.org/groups/1722/.

Sincerely,

Dave Olsen

Chair, IEEE 1722 Working Group