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Title Request for Liaison with IEEE P1722 Working Group
Author Ted Szyplski, Chair, SG Professional Media Network Architecture

To:
Dave Olsen, IEEE P1722 Working Group Chair
Dave.olsen@harman.com

Dear Mr. Olsen,

The SMPTE appreciates the impact that existing and emerging electronic network technologies will have on professional media network systems as these systems supplement and replace traditional technologies.

With the ever increasing use of Layer-2 and Layer-3 IT networks to carry essence, synchronization and control data, users would benefit from a study to identify the characteristics, parameters and best methods in order to design such systems in production and broadcast environments. Data networks are needed that can reliably provide the performance needed for real-time, faster-than-real-time, and slower-than-real-time media.

The SMPTE has established a Study Group on Professional Media Network Architecture. The scope of this group is to identify and document the requirements of professional media networks; to describe the characteristics of well designed real-time (RT), faster-than-real-time (FRT) and slower-than-real-time (SRT) media networks that provide the isochronous, low latency and deterministic performance required for live production and broadcast facilities; to study and suggest processes for device discovery and provisioning on these networks; and additionally, to study and recommend whether mechanisms regarding network access and security should be included in standardization work.

The specific tasks of this study group are to produce a report that clearly identifies the desired characteristics of these networks and processes; and to recommend whether or not SMPTE should create appropriate groups to produce standards, engineering guidelines and/or recommended practices that can guide system architects and engineers who are tasked with building these systems.

This study group has begun preparing a report and is progressing with weekly webinar meetings that began on November 5, 2012.

Through joint memberships and other liaisons we are aware of interest of IEEE groups in similar areas. In the interest of providing a good representation of user needs and requirements we would like to establish a liaison relationship with the IEEE P1722 Working Group on Audio/Video Bridging Layer 2 Transport and/or other IEEE groups as appropriate. The SMPTE TC-32NF would also be willing to provide IEEE P1722 with information regarding SMPTE-defined video formats, mappings, and the SMPTE 2022 series of standards for carriage of professional video over IP. The SMPTE TC-32NF would also like to learn

more about the capabilities of Audio Video Bridging (AVB) Ethernet and the capabilities of the IEEE 1722 Audio Video Bridging Transport Protocol (AVBTP).

Sincerely,

A handwritten signature in black ink, appearing to read 'H. Hoffmann', written in a cursive style.

Hans Hoffmann
SMPTE EVP

Cc:

Mr. Alan Lamshead, Co-chair TC-32NF
Network/Facilities Architecture

Mr. John Snow, Co-chair TC-32NF
Network/Facilities Architecture

Ted Szypulski, Chair SG Professional Media