

Revision of SMPTE 360M-2004 (GXF) (Edge)

Revision of SMPTE 360M for clarification of packing model for both MPEG video streams and audio streams.

Revision of SMPTE 268M (DPX) (Bancroft)

Besides the analysis of the current text of this standard to identify any issues that may require correction, this proj-

ect will also consider addition of new features such as floating point pixel representation and multiframe capability.

Network/Facilities Infrastructure (32NF)

Chair: Patrick Waddell
Co-chair: Christopher Lennon

Overview

The Technology Committee on Network/Facilities Infrastructure is concerned with matters supporting the infrastructures of content production and distribution facilities, including file management, transfer protocols, switching mechanisms, and physical networks that are both internal and external to the facility excluding unique final distribution methods.

Organization

The committee is divided into three standing working groups, one focusing on electrical interface technologies, another on optical interface technologies, and the other on extension and maintenance of the BXF protocol.

Work in Progress

Electrical Interfaces WG (Hudson)

Projects include the revision of SMPTE 299M, the drafting of a mapping of the VC-2 Mezzanine Compressed Bitstream to a Single Link 292M Interface, and the revisions of SMPTE 425M and 435M.

Optical Interfaces WG (W. Miller)

Projects include completion of the revisions of SMPTE 304M, SMPTE 311M, and SMPTE 346M.

BXF WG (Lennon)

Following the recent publication of SMPTE 2021, the group is focused on writing a Recommended Practice, which will assist implementers in which the BXF standard may require clarification and guidance. Following completion of the RP, the group plans to work on "BXF 2.0," primarily extending the BXF work to include features omitted from the original standard because of time constraints.



WADDELL



LENNON

PATRICK WADDELL has been a veteran of the broadcasting and performing arts industries for more than 30 years. A second-generation broadcaster, his primary area of expertise is digital video system implementation for broadcast television. In 2000, Waddell joined Harmonic, where he is responsible for compliance with industry standards and government regulations.

Waddell serves as Harmonic's representative to a number of industry standards bodies, including the SMPTE, SCTE, DVB, and the ATSC. He currently serves as the Chair of the ATSC's TSG/S6, the Specialist Group on video/audio coding and of the SMPTE's Technology Committee 32NF on Network/Facilities Infrastructure.

CHRIS LENNON has worked in the broadcasting industry for over 25 years. He has managed a wide array of products and led several large-scale projects at broadcast facilities around the world. He has also led the development of well over 100 interfacing and integration projects between broadcast systems.

Lennon is Harris Corporation's Director of Integration and Standards, part of the CTO Group. He is Chair of SMPTE's 32NF BXF Working Group, which created SMPTE-2021, and continues in its work in the area of data exchange among broadcast systems.