SMPTE, VSF Release VoIP Standards

Written by Bob Snyder
17 January 2013

Because IP networks are growing in speed and capability (and so are video signals), we need new standards for interoperability that will allow video producers, broadcasters and distributors to transport HD and other uncompressed video signals using equipment from a wide variety of suppliers."

That's why The Society of Motion Picture and Television Engineers (SMPTE) and the Video Services Forum (VSF) announce the latest two standards in a series that creates **a standardized framework for the transport of video-over-Internet-Protocol (IP)**

 networks.

The latest additions are known officially as SMPTE ST 2022-5:2012 *Forward Error Correction for High Bit Rate Media Transport Over IP Networks*
and SMPTE ST 2022-6:2012
Transport of High Bit Rate Media Signals over IP Networks (HBRMT)
, are available via the SMPTE digital library.

SMPTE ST 2022-5:2012 defines a methodology used to provide forward error correction for the recovery from network transmission errors. The methods used have been specifically selected to perform well for high bit rate video signals that operate at speeds up to the Gb/s range and beyond.

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SMPTE ST 2022-6:2012 defines a uniform data mapping format that supports a wide variety of HD-SDI and 3G-SDI video signal formats. Using this standard, products from different manufacturers can, for the first time, send and receive high bit rate video signals that are being delivered over IP networks.

These new SMPTE/VSF IP video networking standards result from a collaboration in which the VSF developed the original specification and SMPTE provided a detailed technical review process and formal accreditation. The work was conducted under the **32NF Video over IP Ad-hoc Group**   , chaired by Brad Gilmer, executive director of VSF.

Go [SMPTE/VSF IP Video Networking Standards](#)