

SMPTE V16 TECHNOLOGY COMMITTEE

Neil Neubert, Chairman

V16.07 Working Group on Archival Storage of Magnetic Media, Ed Zwaneveld

This WG completed a revision of RP-103-2000 Care, Storage, Operation, Handling, and Shipping of Magnetic Recording Tape for Television. A draft RP document was balloted following the September 2000 meeting round in the U.K., to the V16 Technology Committee. At the Redondo Beach, CA meeting, held December 4, 2000, all of the comments that were returned with the ballot were reviewed. Chairman Ed Zwaneveld indicated that he would reflect those in the revised document and invite feedback. A new draft was circulated on December 18, 2000, to be reviewed at the meeting in Osaka, Japan on March 12, 2001. V16.07 intends to continue its work with the study of lifetime, care, storage, and handling of new media such as optical videodisks (CD-ROM, DVD) etc.

V16 Television Recording and Reproduction Technology Committee

A Standard document for the IMX Compressed Digital Video Tape Recording Format was developed during year 2000 and reviewed by the V16 Technology Committee. SMPTE designation for IMX will be D-10. A third draft document was agreed by ballot to be the final version and will become the D-10 Standard Document.

A proposed revision of SMPTE 306M was developed and submitted for review to V16 at the July 10, 2000 meeting held in Milwaukee, WI. The revision adds a 50 Mbit/sec operating version to the D-7 Compressed Digital Video Tape Recording Format. First draft ballot to the V16 Technology Committee resulted in some substantive changes and a second draft ballot is in progress at this time. A companion document, proposed revision of SMPTE 307M specifies changes to the D-7 Format Tape Cassette document so it can be applied for use with the 50 and 100 Mbit/sec operating versions of the format, as well as the 25 Mbit/sec version. A first draft bal-

lot is in progress at this time

A new Standard document proposal for the DVCPRO HD Compressed Digital Video Tape Recording Format operating at 100 Mb/s was developed and submitted for review to the V16 Technology Committee at the December 4, 2000 meeting held in Redondo Beach, CA. The Format is supported by three additional "layered" Standard documents. DVCPRO HD will use the tape and cassette specified by the revised SMPTE 307M, D-7 Tape Cassette document. A companion proposed new Standard document specifying DVCPRO HD video compression has been submitted to the C24 Technology Committee for review. Finally, a revision of SMPTE 321M has been proposed to specify mapping of DVCPRO HD 100 Mbit/sec streams to SDTI (SMPTE 305M) in addition to the 25 and 50 Mbit/sec DV-based streams already supported. This new document is under review in the N26 Technology Committee.

A new Standard document proposal for the HDCAM Compressed Digital Video Tape Recording Format was developed and submitted for review to the V16 Technology Committee at the December 4, 2000 meeting held in Redondo Beach, CA. HDCAM Cassette and tape specification is integrated within the document. A first draft document ballot to the V16 Technology Committee is in progress at this time. The Format is supported by two additional "layered" Standard documents. A companion proposed new Standard document specifying HDCAM video compression has been submitted to the C24 Technology Committee for review. In addition, a companion proposed new Standard document specifying HDCAM stream mapping to SDTI (SMPTE 305M) has been submitted to the N26 Technology Committee for review.



Reports from additional Engineering Committees will appear in the May issue of the Journal