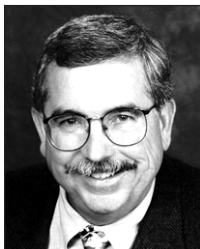


SMPTE P-3 TECHNOLOGY COMMITTEE ACTIVITY REPORT

B. W. Pinkston, Chairman



Committee meetings coincide with the two major industry conventions each year, ShoWest in the spring and Show East in the fall. This committee works closely with the National Association of Theatre Owners' committee on Projection Technology.

Ballot and Standards Reviews

SMPTE P-3 has before it one proposed new standard (P3.350-2306B) for Theatre Screen Contrast-Measurement of Projected Image Contrast. The proposal was balloted and the comments are being reviewed.

Today's cinema auditorium dimensions have changed since the initial document was written, i.e., theater balconies that were lost to sloped floors have now been changed to stadium-style seating. Viewing angles and sight lines have changed, requiring the following documents to be updated:

- EG-18, Design of Effective Cine Theatres
- RP-94, Gain Determination of Front Projection Screens

- RP-95, Installation of Gain Screens
 - SMPTE 196M, Indoor Theatre and Review Room Projection
 - Screen Luminance and Viewing Conditions
- Other areas of film image include:
- EG-5, Projected Image Quality of 70-, 35- and 16-mm Motion-Picture Projection Systems
 - RP-40, Specifications for 35mm Projector Alignment and Screen Image Quality Test Film
 - RP-105, Method for Determining the Degree of Jump and Weave on 70-, 35- and 16-mm Motion-Picture Projected Images
 - RP-110, Specification for and Alignment Test Film for Anamorphic Attachments to 35-mm Motion-Picture Projectors

Dye Tracks Committee

The committee reported that about 60% of releases in North America are now in the High Magenta format and there is good progress internationally. There will be a limited release of about 25 prints with Cyan Tracks early in 2001. The committee will be working with distribution and exhibition on this limited release.

SMPTE D27 DATA ESSENCE TECHNOLOGY COMMITTEE

Johann Safar, Chairman

The D27 Data Essence Technology Committee has met during regular meeting cycles of the SMPTE organization. The meetings were always reasonably well attended, which shows an interest in the work of this committee. During 2000, two new groups were formed under D27: Declarative Data Essence (DDE) Ad Hoc Group, and Application Data Essence (ADE) Study Group.

DDE was formed in March 2000, chaired by Mr. Dolan, DirectTV. Its work assignment was in summary, to codify the ATVEF specification. Work was begun immediately and the group has created six draft standard documents.

The ADE Study Group was formed in May 2000, chaired jointly by Mr. Dolan and Mr. Hoffmann, EBU. Its work assignment was to prepare a document that analyzed and compared worldwide ITV standards and identified areas of potential harmonization. Specifically, it was to look at the work in transport standards groups: ARIB, ATSC, and DVB, as well as SMPTE's DDE. Initially, work progressed quickly with a draft comparison document being incrementally added to during the first few months. However, shortly thereafter, both ITU-R and ITU-T undertook similar harmonization efforts, and the chairman has been trying to see how best to work with these groups and not duplicate efforts. Mr. Hoffmann stepped down as co-chair in the fall, leaving

Mr. Dolan as the sole chairman. Progress since the ITU work began has been slower than expected.

The following documents have passed Standards Committee ballot, have been assigned SMPTE standard numbers, and are awaiting trial publication:

- SMPTE 357M, Declarative Data Essence, IP Multicast Encapsulation
- SMPTE 361M, NTSC IP and Trigger Binding to VBI
- SMPTE 363M, Declarative Data Essence, Content Level 1
- SMPTE 364M, Declarative Data Essence—Unidirectional Hypertext Transport Protocol

The Transitional DOM and Object Environment (DOM-T) documents are presently in D27 ballot resolution period. And, lid: is still being prepared for Technology Committee ballot by the AHG. In summary, work has progressed quickly and efficiently.

In December 2000, the Work Assignment was amended to include work on content level 2 for DDE, as well as a PAL/SECAM binding for DDE-1. Work has not started in earnest yet on these but is expected to speed up in the coming months.

The chair of the D27 committee would like to express a commendation to the efforts of Mr. Dolan who is quite successfully leading both groups (DDE and ADE) in their work.