

Engineering News

Engineering Technology Committees Reorganization to Take Effect

Under the new Section XIII of the SMPTE Administrative Practices approved on June 28, 1991, by the Board of Governors, a reorganization of some of the SMPTE Engineering Technology Committees will take effect January 1, 1992.

The changes brought about by this reorganization include the disbanding of the Committee on Television Technology (T14) and the Committee on New Technology (N15). The work of these technology committees will be distributed among three newly formed technology committees. Some subgroups of the Committee on Television Recording and Reproduction Technology (V16) will also be transferred to the new technology committees.

Other existing technology committees, the Committee on Film Technology (F2), the Committee on Projection Technology (P4), the Committee on Laboratory Service Technology (L6), and the Committee on Audio Recording and Reproduction Technology (A12) are affected only in slight modifications to their names and scopes.

A full listing of the reorganized engineering technology committees and their scopes follows. Subgroups under the technology committees will not be altered by these changes; when required, the entire subgroup will simply come under a new parent Technology Committee as indicated in the listing below.

General Scope

To develop SMPTE engineering documents; review existing documents to ensure that they are current with established engineering practices and are compatible with international engineering documents where possible; recommend and develop test specifications, methods and materials; prepare tutorial material on engineering subjects for publication in the *SMPTE Journal* or for other means of dissemination benefiting the Society and the industry.

Committee on Film Technology (F2)

The application of the General Scope as it pertains to dimensional specifications for cutting and perforating and other specifications affecting use and interchangeability of motion-picture film and perforated magnetic sound-recording materials. Also included are the specification of original image areas on camera films and the behavior of motion-picture film in cameras.

Committee on Motion Picture Projection Technology (P4)

The application of the General Scope as it pertains to the mechanisms and practices used in the nontelevision distribution and presentation of motion pictures. Also included are the specification of image areas intended for projection, projection reels and containers, and print identification and leaders.

Committee on Motion Picture Laboratory Services Technology (L6)

The application of the General Scope as it pertains to all phases of the operation of laboratory services in the preparation, processing, and duplication of motion pictures.

Committee on Audio Recording and Reproduction Technology (A12)

The application of the General Scope as it pertains to the mechanisms and practices used in the production, recording, re-

production, distribution, and presentation of sound records for motion-picture systems. Also included are the perceptual considerations of television sound and the preparation of motion-picture sound records for use in television. Excluded are the mechanisms and procedures used for the recording and reproduction of television sound records within the television system.

Committee on Television Recording and Reproduction Technology (V16)

The application of the General Scope as it pertains to all phases of the recording and reproduction of television image, audio, and ancillary signals, including editing and signal processing within the recorder.

Committee on Television Signal Technology (S17)

The application of the General Scope as it pertains to the form, function, processing, and presentation of television signals, both visual and aural.

New Subgroup Designations

H19.04	WG on High Definition Electronic Production	was N15.04
H19.04/16	AHG on Digital Pictures	was N15.04/16
H19.04/17	AHG on HDEP Colorimetry	was N15.04/17
H19.37	WG on Combining Telecine Documents	was T14.37
P18.08	Task Force on HDTV-ATSC Liaison	was N15.05/08
P18.09	AHG on HDTV Test Materials	was N15.04/09
P18.10	WG on Digital Control for Television	was T14.10
P18.10/04	AHG on VTR Control Messages	was T14.10/04
P18.10/05	AHG on ATR Control Messages	was T14.10/05
P18.10/07	AHG on System Service and Common Messages	was T14.10/07
P18.10/09	AHG on Routing Switcher Control Messages	was T14.10/09
P18.10/10	AHG on Telecine Control Messages	was T14.10/10
P18.10/14	Task Force on EBU Liaison	was T14.10/14
P18.10/16	AHG on Production Switchers	was T14.10/16
P18.12	AHG on Interface Between HDTV and Film	was N15.04/12
P18.15	AHG on HDTV Audio Systems	was N15.04/15
P18.25	WG on Time Code	was V16.25
P18.25/01	AHG on User Bit Automated Record/Play System	was V16.25/01
P18.25/02	AHG on Film Data in User Bits	was V16.25/02
P18.27	WG on Editing Procedures	was V16.27
S17.05	SG on Standards Conversion	was N15.05
S17.08	AHG on NTSC Documentation	was T14.22/08
S17.09	AHG on Key and Depth	was T14.22/09
S17.11	SG on High-Quality Digital Image Compression	was N15.11
S17.13	AHG on Digital Representation of 1125/60	was N15.04/13
S17.28	WG on Professional Studio Monitors	was T14.28
S17.36	WG on Digital Video Diagnostics	was T14.36
S17.39	WG on Advanced Television Production	was T14.39
S17.39/02	AHG on Studio Production Issues	was T14.39/02
S17.39/04	AHG on ATV Synchronization	was T14.39/04
S17.40	WG on Digital Audio Interface for TV	was T14.40

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Committee on Television Production Technology (P18)

The application of the General Scope as it pertains to control systems and practices that are used in the production, post-production, and nonbroadcast distribution of television programming and in peripheral production equipment and practices, but excluding presentation and television recording.

Committee on Hybrid Technology (H19)

The application of the General Scope as it pertains to the processes and practices used in the manipulation of electronic images in the production and release of moving images on film, and as it pertains to the conversions between motion-picture film and television.

Committee Membership

Membership in the technology committees is open to all persons who are directly and materially affected by the work undertaken and are willing and able to participate actively in the work. To apply for membership in a technology committee, contact the Engineering Department at SMPTE Headquarters, 595 W. Hartsdale Ave., White Plains, NY 10607, (914) 761-1100.

SMPTE Monthly Engineering Meeting Schedule

The calendar below shows the dates and times of upcoming meetings and the cities where they will be held. Specific locations may not yet be determined.

Those requesting additional information on participation in these meetings should contact the Engineering Dept. at SMPTE Headquarters, (914) 761-1100.

December			
3	9:00 a.m.	Time and Control Code	San Francisco, Calif.
Tues.	12:30 p.m.	V16.25 (J. Hamalainen)	
3	1:30 p.m.	D-1 and D-2 Applications	San Francisco, Calif.
Tues.	5:00 p.m.	V16.03 (B. Weber)	
4	9:00 a.m.	Digital D-3 Format	San Francisco, Calif.
Wed.	5:00 p.m.	V16.05 (K. Sadashige)	
5	8:30 a.m.	Television Recording	San Francisco, Calif.
Thurs.	1:00 p.m.	and Reproduction Tech. V16 (T. Cavanagh)	
9	2:00 p.m.	Studio Video Standards	Alliance MP TV Prod.
Mon.	6:00 p.m.	T14.22 (P. Symes)	Sherman Oaks, Calif.
10	9:00 a.m.	Studio Video Standards	Alliance MP TV Prod.
Tues.	5:00 p.m.	T14.22 (P. Symes)	Sherman Oaks, Calif.
11	9:00 a.m.	Advanced Television Prod.	Alliance MP TV Prod.
Wed.	12:30 p.m.	T14.39 (F. Remley)	Sherman Oaks, Calif.
11	1:30 p.m.	High Def. Electronic Prod.	Alliance MP TV Prod.
Wed.	5:00 p.m.	N15.04 (R. Stumpf)	Sherman Oaks, Calif.
12	9:00 a.m.	Television Technology	Alliance MP TV Prod.
Thurs.	2:00 p.m.	T14 (M. Weiss)	Sherman Oaks, Calif.

Books, Booklets, Brochures

The visual techniques of filmmaking are illustrated in **Film Directing Shot by Shot: Visualizing from Concept to Screen**, a comprehensive book written by Steven D. Katz. The 376-page book serves as a complete catalog of visual techniques and their stylized implications for both the filmmaker and the videographer and as a textbook that enables working filmmakers, screenwriters, and others to expand their stylistic knowledge. The contents include visualization tools, storyboard style, continuity style, staging dialogue scenes, camera techniques, framing and composition techniques, camera movement, blocking tracking shots, script analysis, and numerous storyboards from Steven Spielberg's *Empire of the Sun*, Alfred Hitchcock's *The Birds*, and Orson Welles' *Citizen Kane*. The book can be ordered from Michael Wiese Productions, 3960 Laurel Canyon Blvd., #331, Studio City, CA 91604, at a cost of \$26.95.

The American Society for Testing Materials (ASTM) has made available **ASTM Standards on Color and Appearance Measurement**, a 420-page volume that contains 70 standards for a variety of ma-

terials and products, such as acoustic materials, petroleum products, paints, plastics, traffic marking materials, and pavement surfaces. Many of the standards in this third edition are new or revised. All tables have been completely revised and a new table lists methods of the Society of Automotive Engineers that are applicable to automotive materials. The book will help guide those who use, select, interpret, or create numerical methods for measuring appearance attributes of materials or products. The soft-cover publication is available for \$50 to ASTM members and \$55 to non-members. It can be ordered from ASTM, 1916 Race St., Philadelphia, PA 19103.

The **MCM catalog** contains information on over 17,000 high-demand parts and components, some of which are listed in this publication for the first time. Among the categories offered are semiconductors, television parts, computer equipment, power centers and regulators, connectors, tools, batteries, speakers, VCR parts, and audio parts and accessories. To request a free copy, contact MCM, 650 Congress Park Dr., Centerville, OH 45459-4072.

A **brochure on the PT3 Series** of portable ENG transmitters provides complete specifications and features of the products and their applications. An easy-to-read chart lists each model in the series, wavelength covered by each unit, basic channels, number of offsets, and standard output. Output specifications, video and audio performance, power requirements, and dimensions are also included. The series is designed for truck, portable, or airborne operation. The four-page brochure can be ordered at no charge from Nucomm, Inc., 101 Bilby Rd., Building 2, Hackettstown, NJ 07840.

A **new data sheet** covering the M Series of film processors is available from Allen Products Co., 180 Wampus Lane, Milford, CT 06460. The sheet highlights five different models: the M-20, M-30, M-45, M-70, and M-70BT (brown toning). Each product can develop microfilm, bank surveillances, and black-and-white motion-picture film. The processors are ideal for bank, service bureau, and government applications because they can be interfaced with document processor cameras, as well as other equipment.