

SMPTE Standards News

1. New final approved documents (April 2005 - April 2006)

SMPTE 381M-2005 Television—Material Exchange Format (MXF)—Mapping MPEG Streams into the MXF Generic Container (Dynamic)
SMPTE 384M-2005 Television—Material Exchange Format (MXF)—Mapping of Uncompressed Pictures into the Generic Container
SMPTE 389M-2005 Television—Material Exchange Format (MXF)—MXF Generic Container Reverse Play System Element
SMPTE 401M-2005 Television—Extended Content Control Information (ExCCI) Data Packet
SMPTE 409M-2005 Digital Television Recording—12.65-mm Type D-16 Format
SMPTE 417M-2005 Motion-Picture Film (65-mm)—Camera Aperture Image and Usage, 15/70 Format
SMPTE 418M-2005 Motion-Picture Film (65-mm)—Camera Aperture Image and Usage, 8/70 Format
SMPTE 419M-2005 Motion-Picture Film (70-mm)—Projectable Image Area, 15/70 Format
SMPTE 420M-2005 Motion-Picture Film (70-mm)—Projectable Image Area, 8/70 Format
RP 224.7-2005 SMPTE Labels Registry
RP 225-2005 Registered Private Information in KLV
EG 44-2005 Care, Storage, Operation, Handling and Shipping of Magnetic Recording Tape for Television
RDD 3-2005 e-VTR MXF Interoperability Specification
RDD 4-2005 Pro-AV MIB-1—A Professional Audio/Visual Product Simple Network Management Protocol Management Information Base
SMPTE 421M-2006 Television—VC-1 Compressed Video Bitstream Format and Decoding Process
RP 227-2006 VC-1 Bitstream Transport Encodings
RP 228-2006 VC-1 Decoder and Bitstream Conformance
RDD 8-2006 Storage and Distribution of Teletext Subtitles and VBI Data for High-Definition Television

2. Documents in final publication process (None)

3. Documents in trial publication

S 428.2 Draft SMPTE Standard for Television—D-Cinema Distribution Master—Audio Characteristics
S 422M Draft SMPTE Standard for Television—Material Exchange Format—Mapping JPEG 2000 Codestreams into the MXF Generic Container

4. Documents which completed trial publication (April 2005 - April 2006 in chronological order):

RP 224.7 Proposed Revision to RP 224.6—Labels Registry
S 384M Proposed SMPTE Standard for Television—Material Exchange Format (MXF)—Mapping of Uncompressed Pictures into the Generic Container 2
EG 44 Proposed SMPTE Engineering Guideline—Care, Storage, Operation, Handling, and Shipping of Magnetic Recording Tape for Television
S 314M Proposed SMPTE Standard for Television—Data Structure for DV-Based Audio, Data, and Compressed Video—25 and 50 Mb/s
S 348M Proposed SMPTE Standard for Television—High Data-Rate Serial Data Transport Interface (HD-SDTI) (Revision of SMPTE 348M-2000)
S 382M Proposed SMPTE Standard for Television—Material Exchange Format (MXF)—Mapping AES3 and Broadcast Wave Audio into the MXF Generic Container
S 417M Proposed SMPTE Standard for Motion-Picture Film (65-mm)—Camera Aperture Image and Usage, 15/70 Format
S 418M Proposed SMPTE Standard for Motion-Picture Film (65-mm)—Camera Aperture Image and Usage, 8/70 Format
S 419M Proposed SMPTE Standard for Motion-Picture Film (70-mm)—Projectable Image Area, 15/70 Format
S 420M Proposed SMPTE Standard for Motion-Picture Film (70-mm)—Projectable Image Area, 8/70 Format
S 421M Draft SMPTE Standard for Television—VC-1 Compressed Video Bitstream Format and Decoding Process
RP 227 Draft SMPTE Recommended Practice for Television—VC-1 Bitstream Transport Encodings
RP 228 Draft SMPTE Recommended Practice for Television—VC-1 Decoder and Bitstream Conformance
S 428M Draft SMPTE Standard for D-Cinema Distribution Master Audio Channel Mapping and Channel Labeling
S 424M Draft SMPTE Standard for Television—3 Gb/s Signal/Data Serial Interface
S 425M Draft SMPTE Standard for Television—3 Gb/s Signal/Data Serial Interface—Source Image Format Mapping
S 259M Draft SMPTE Standard for Television—SDTV Digital Signal/Data—Serial Digital Interface
S 407M Draft SMPTE Standard for Television—MXF—Operational Patterns 3a and 3b 2006-01-04 2006-02-16
S 408M Draft SMPTE Standard for Television—MXF—Operational Patterns 1c, 2c and 3c
S 316M Draft SMPTE Standard for Television—Data Structure for DV/Based Audio, Data, and Compressed Video at 100 Mb/s 1080/60i, 1080/50i, 720/60p, 720/50p
S 370M Draft SMPTE Standard for Television Digital Recording—12.65-mm Type D-9 Component Format— Video Compression—525/60 and 625/50
S 431.1 Draft SMPTE Standard for D-Cinema—Screen Luminance Level, Chromaticity, and Uniformity
S 292M Draft SMPTE Standard for Television—1.5 Gb/s Signal/Data Serial Interface
S 411M Draft SMPTE Standard for Motion-Picture Film—Cinematography—Spectral Response of Photographic Audio Reproducers for Analog Dye Sound-Tracks on 35-mm Film

5. Documents archived—the following documents were archived April 2005 - April 2006

SMPTE 87M-1996 (Archived 2005) Motion-Picture Film (16-mm)—100-Mil Magnetic Striping
SMPTE 137-2000 (Archived 2005) Motion-Picture Film (35-mm)—Release Prints—Four Magnetic Audio Records
SMPTE 179-1996 (Archived 2005) Motion-Picture Film (8-mm Type S)—35-mm Film Perforated 2R (1-0) and 5R (1-3-5-7-0)—Printed Areas
SMPTE 218M-1996 (Archived 2005) Motion-Picture Film (16-mm)—200-Mil Center-Position Magnetic Audio Record
SMPTE 319M-2000 (Archived 2005) Television—Transporting MPEG-2 Recoding Information through 4:2:2 Component Digital Interfaces
RP 150-2000 (Archived 2005) Channel Assignments and Test Leader for Magnetic Film Masters Intended for Transfer to Video Media Having Stereo Audio
RP 206-1999 (Archived 2005) Opportunistic Data Flow Control Using Ethernet as a Control Channel in an MPEG-2 Transport Emissions Multiplex
SMPTE 329M-2000 (Archived 2006) Television—MPEG-2 Video Recoding Data Set—Compressed Stream Format
SMPTE 332M-2000 (Archived 2006) Television—Encapsulation of Data Packet Streams Over SDTI (SDTI-PF)
SMPTE 344M-2000 (Archived 2006) Television—40 Mb/s Serial Digital Interface
SMPTE 346M-2000 (Archived 2006) Television—Time Division Multiplexing Video Signals and Generic Data over High-Definition Television Interfaces
SMPTE 351M-2000 (Archived 2006) Television—Transporting MPEG-2 Recoding Information through High-Definition Digital Interfaces
SMPTE 353M-2000 (Archived 2006) Television—Transport of MPEG-2 Recoding Information as Ancillary Data Packets
RP 187-1995 (Archived 2006) Center, Aspect Ratio, and Blanking of Video Images
RP 209-2000 (Archived 2006) Format for Transmission of HD-D5 Compressed Video and Audio Data over 360 Mb/s Serial Digital Interface
RP 211-2000 (Archived 2006) Implementation of 24P, 25P, and 30P Segmented Frames for 1920 x 1080 Production Format

6. Documents withdrawn (None)

7. New proposals

Proposed SMPTE 424M—3Gb/s Signal/Data Interface
Proposed SMPTE425M—3Gb/s Signal/Data Serial Interface Source Image Format Mapping
Proposed SMPTE428-6—Digital Cinema PCM-Multi-Channel Audio Format for D-Cinema
Proposed SMPTE 429-4—MXF JPEG 2000 Application for D-Cinema
Proposed SMPTE430-6—Digital Cinema—Auditorium Security Messages for Intra-Theater Communications
Proposed SMPTE431-1—Digital Cinema—Screen Luminance Level, Chromaticity and Uniformity
Proposed Standard—Log Record Format Specification for D-Cinema
Proposed Standard—Log Record Security Constraints for D-Cinema
Proposed Recommended Practice—Digital Cinema—Projection Image Measurements
Proposed Engineering Guideline—Digital Cinema—Color Processing for Digital Cinema
Proposed Engineering Guideline—D-Cinema Low Frequency Effects (LFE) Channel Audio Characteristics
Proposed Recommended Practice—Requirements for Equipment Compatibility with Non-PCM AES Streams
Proposed SMPTE434M—MXF-XML Encoding for Metadata and File Structure Information
Proposed Standard—VC-3 Picture Compression and Data Stream Format
Proposed Standard—Type VC-3 Data Stream and AES3 Data Mapping over SDTI
Proposed SMPTE435M-1—10Gb/s Serial Signal/Data Interface: Part 1—Basic Stream Distribution
Proposed SMPTE435M-2—10Gb/s Serial Signal/ Data Interface: Part 2—10.692 Gb/s Stream-Basic Stream Data Mapping
Proposed SMPTE435M-3—10Gb/s Serial Signal/Data Interface: Part 3—10.692 Gb/s Optical Fiber Interface
Proposed SMPTE414M—D-Cinema Key Delivery Message
Proposed Standard—MXF Mapping for VBI Lines and Ancillary Data Packets
Proposed Standard—Vertical Ancillary Data Mapping of Active Format Description and Bar Data
Proposed Standard—Format for Active Format Description, Bar Data, and Pan-Scan Information
Proposed Recommended Practice—Content Specification on Solid-State Media Card for DV/DV-Based Essence
Proposed RDD10—An Open Transport and Navigational Specification, Optionally Supporting Multiple Conditional Access Systems
Proposed RDD9—MXF Interoperability Specification of Sony MPEG Long GOP Products
Proposed RDD8—Storage and Distribution of Teletext Subtitles and VBI Data for HDTV
Proposed RDD6—Description and Guide to the Use of the Dolby Audio Metadata Serial Bitstream
Proposed RDD5—Film Grain Technology Specifications for H.264/MPEG-4 AVC Bitstreams

8. Requests for technology/information (RFT/I)

SMPTE RFP for “Mezzanine” Compression System for Use In A Particular Studio Application

9. Corrigenda (None)

As a reminder, the engineering web site is at www.smpte.org/engineering_committees/.
Standards including CD-ROMs may be ordered at www.smpte.org/smpte_store/standards/.