



445 Hamilton, White Plains, NY 10601
Telephone: +1-914-761-1100 • Fax: +1-914-761-3115 • <http://www.smpte.org>

NUMERICAL INDEX OF SMPTE STANDARDS, RECOMMENDED PRACTICES,
ENGINEERING GUIDELINES AND REGISTERED DISCLOSURE DOCUMENTS
(Revised March 30, 2018)

STANDARDS

- ST 1:1996 (Archived 2003)** Video Recording – 2-in Magnetic Recording Tape
- ST 3:1998 (Archived 2004)** Television Analog Recording – Frequency Response and Operating Level of Recorders and Reproducers – Audio 1 Record on 2-in Tape Operating at 15 and 7.5 in/s
- ST 4:1995 (Archived 2003)** Television Analog Recording – 2-in Magnetic Tape for Quadruplex Recording - Speed
- ST 5:1995 (Archived 2003)** Television Analog Recording – 2-in Reels
- ST 6:1998 (Archived 2004)** Video Recording – 2-in Quadruplex Tape – Video, Audio and Tracking-Control Records
- ST 7:2004 (Stabilized 2015)** Motion-Picture Film (16-mm) – Camera Aperture Image and Usage (R2009)
- ST 8:1995 (Archived 2003)** Video Recording – Quadruplex Recorders Operating at 15 in/s – Audio Level and Multifrequency Test Tape
- ST 11:1995 (Archived 2003)** Video Recording – Quadruplex Recorders Operating at 7.5 in/s – Audio Level and Multifrequency Test Tape
- ST 12-1:2014** Time and Control Code
- ST 12-2:2014** Transmission of Time Code in the Ancillary Data Space
- ST 12-3:2016** Time Code for High Frame Rate Signals and Formatting in the Ancillary Data Space
- ST 15:1998 (Archived 2004)** Television Analog Recording – 1-in Type B Helical Scan – Basic System Parameters
- ST 16:1998 (Archived 2004)** Television Analog Recording – 1-in Type B Helical Scan – Records
- ST 17:1998 (Archived 2004)** Television Analog Recording – 1-in Type B Helical Scan – Frequency Response and Operating Level
- ST 18:2003 (Archived 2010)** Television Analog Recording – 1-in Type C – Basic System and Transport Geometry Parameters
- ST 19:2003 (Archived 2010)** Television Analog Recording – 1-in Type C – Records
- ST 20:2003 (Archived 2010)** Television Analog Recording – 1-in Type C Recorders and Reproducers – Longitudinal Audio Characteristics
- ST 21:1997 (Archived 2010)** Video Recording – 3/4-in Type E Helical Scan – Records
- ST 22:1997 (Archived 2010)** Video Recording – 3/4-in Type E Helical Scan – Cassette
- ST 24:1996 (Archived 2010)** Television Recording – 1-in Reels (R2003)
- ST 25:1995 (Archived 2010)** Video Recording – 1-in Magnetic Recording Tape (R2003)
- ST 26:1995 (Archived 2003)** Video Recording – 1-in Helical-Scan Recorders – Raw Stock for Reference Tapes
- ST 29:1995 (Archived 2003)** Television Analog Recording – 1-in Type B Reference Recorders – Basic System and Transport Geometry
- ST 30:1995 (Archived 2003)** Television Analog Recording – 1-in Type B Reference Recorders – Records on Reference Tapes
- ST 31:2003 (Archived 2010)** Television Analog Recording - 3/4-in Type E – Small Video Cassette
- ST 32:1998 (Archived 2004)** Video Recording – 1/2-in Type H – Cassette, Tape and Records
- ST 35:1997 (Archived 2010)** Television Analog Recording – 1/2-in Type G – Cassette and Tape
- ST 37:1994 (Stabilized 2015)** Motion-Picture Equipment – Raw Stock Cores (R2009)
- ST 40:2002 (Stabilized 2015)** Motion-Picture Film (35-mm) – Release Prints – Photographic Audio Records (R2008)

ST 41:2004 (Stabilized 2015) Motion-Picture Film (16-mm) – Prints – Photographic Audio Records

ST 48:1995 (Stabilized 2015) Motion-Picture Film (16-mm) – Picture and Sound Contact Printing – Printed Areas

ST 55:2011 Motion-Picture Film – 35- and 16-mm Television Release Prints – Leaders and Cue Marks

ST 56:2005 (Stabilized 2015) Motion-Picture Film – Nomenclature for Studios and Processing Laboratories

ST 59:1998 (Stabilized 2015) Motion-Picture Film (35-mm) – Camera Aperture Images and Usage

ST 73:2003 (Stabilized 2015) Motion-Picture Film (32-mm) – 35-mm Film Perforated 32-mm, 2R

ST 74:1993 (Stabilized 2015) Motion-Picture Cameras (16- and 8-mm) – Zero Point for Focusing Scales

ST 75:1994 (Stabilized 2015) Motion-Picture Film – Raw Stock - Designation of A and B Windings

ST 76:1996 (Stabilized 2012) Motion-Picture Cameras – 16-mm and 8-mm Threaded Lens Mounts

ST 83:1996 (Stabilized 2015) Motion -Picture Film (16-mm) – Edge Numbers – Location and Spacing

ST 86:2005 (Stabilized 2015) Motion-Picture Film - Magnetic Audio Records - Two, Three, Four and Six Records on 35-mm and One Record on 17.5-mm Magnetic Film (R2010)

ST 87:1996 (Archived 2005) Motion-Picture Film (16-mm) – 100-Mil Magnetic Striping

ST 93:2005 (Stabilized 2015) Motion-Picture Film (35-mm) – Perforated BH

ST 96:2004 Television – 35- and 16-mm Motion-Picture Film – Scanned Image Area

ST 97:2004 (Stabilized 2015) Motion-Picture Film (16-mm) – 200-Mil Edge Position – Magnetic Audio Record

ST 101:2003 (Archived 2008) Motion-Picture Film (16-mm) – Perforated 2R-3000 – Magnetic Striping

ST 102:2002 (Archived 2007) Motion-Picture Film (35-mm) – Perforated CS-1870

ST 109:2003 Motion-Picture Film (16-mm) – Perforated 1R and 2R (R2013)

ST 111:2001 (Stabilized 2012) Motion-Picture Film (35-mm) – Prints Made on Continuous Contact Printers – Exposed Areas for Picture and Audio

ST 112:2004 (Stabilized 2015) Motion-Picture Film (16-mm) – 100-Mil Magnetic Audio Record

ST 117:2001 (Stabilized 2012) Motion-Picture Film – Photographic Audio Record – Spectral Diffuse Density

ST 119:2011 (Stabilized 2017) Motion-Picture Film (70-mm) – Perforated 65-mm, KS-1870

ST 125:2013 SDTV Component Video Signal Coding for 4:4:4 and 4:2:2 for 13.5 MHz and 18 MHz Systems

ST 127:2003 (Archived 2008) Motion-Picture Film (16-mm) – Magnetic-Photographic Audio Records – Magnetic Striping of Prints

ST 137:2000 (Archived 2005) Motion-Picture Film (35-mm) – Release Prints – Four Magnetic Audio Records

ST 139:2003 Motion-Picture Film (35-mm) – Perforated KS (R2013)

ST 143:1994 (Archived 2009) Motion-Picture Film (8-mm Type R) – Length of Film on Camera Spools - 25-Ft Capacity

ST 145:2004 (Stabilized 2015) Motion-Picture Film (65-mm) – Perforated KS

ST 146:2001 (Stabilized 2012) Motion-Picture Film – 16- and 8-mm Reversal Color Camera Films - Determination of Speed

ST 148:2002 (Stabilized 2012) Motion-Picture Film – 35- and 16-mm Prints for Television Transmission – Film Image Area for Review Room Viewing

ST 149:2004 (Stabilized 2015) Motion-Picture Film (8-mm Type S) – Perforated 1R

ST 151:2004 (Stabilized 2015) Motion-Picture Film (8-mm Type S) – 16-mm Film Perforated 8-mm Type S, (1-3)

ST 152:2003 (Archived 2010) Motion-Picture Film (70-mm) – Projectable Image Area

ST 153:2001 (Archived 2006) Motion-Picture Film (8-mm Type S) – 16-mm Film Perforated 8-mm Type S (1-4) – Printed Areas

ST 154:2003 (Stabilized 2012) Motion-Picture Film (8-mm Type S) – Projectable Image Area and Projector Usage

ST 157:1999 (Stabilized 2015) Motion-Picture Film (8-mm Type S) – Camera Aperture Image and Usage

ST 159.1:2001 (Stabilized 2012) Motion-Picture Film (8-mm Type S) – Model 1 Camera Cartridge – Cartridge-Camera Interface and Take-Up Core Drive

ST 159.2:2001 (Stabilized 2012) Motion-Picture Film (8-mm Type S) – Model 1 Camera Cartridge – Aperture, Profile, Film Position, Pressure Pad and Flatness

ST 160:1995 (Stabilized 2012) Motion-Picture Equipment (8-mm Type S) –Projection Reels – 100- to 312-mm Diameter

ST 161:1998 (Archived 2003) Motion-Picture Film (8-mm Type S) – Magnetic Striping

ST 162:1998 (Archived 2003) Motion-Picture Film (8-mm Type S) – 16-mm Film Perforated 8-mm Type S, (1-4) – Magnetic Striping

ST 163:1998 (Archived 2003) Motion-Picture Film (8-mm Type S) – 35-mm Film Perforated 8-mm Type S, 5R – Magnetic Striping

ST 164:2002 (Archived 2007) Motion-Picture Film (8-mm Type S) – Magnetic Audio Record – Position, Dimensions and Reproducing Speed

ST 165:1999 (Archived 2004) Motion-Picture Film (35-mm) – Perforated 8-mm Type S, 5R (1-3-5-7-0)

ST 166:2004 (Stabilized 2015) Motion-Picture Film (8-mm Type S) – Exposure Control and Stock Identification – Sound and Silent Camera Cartridge Notches

ST 168:2001 (Stabilized 2012) Motion-Picture Film (16-mm) – Perforated 8-mm Type S, (1-4)

ST 169:2002 Motion-Picture Film (35-mm) – Perforated 8-mm Type S, 2R-1664 (1-0)

ST 170:2004 (Archived 2010) Television – Composite Analog Video Signal – NTSC for Studio Applications

ST 171:2001 (Stabilized 2012) Motion-Picture Film (35-mm) – Perforated 16-mm, 3R (1-3-0)

ST 173:2004 (Archived 2009) Motion-Picture Equipment (8-mm Type R) – Double 8-mm Camera Spools – 100-Ft Capacity

ST 174:1994 (Stabilized 2015) Motion-Picture Equipment (16-mm) – Camera Spools - 50- to 400-Ft Capacity

ST 176:1999 (Archived 2004) Motion-Picture Film (8-mm Type S) – 16-mm Film Perforated 2R-1667 (1-3) – Magnetic Striping

ST 177:1995 (Archived 2003) Motion-Picture Film (35-mm) – Four-Track Magnetic Audio Release Prints – Magnetic Striping

ST 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

ST 181:2001 (Archived 2006) Motion-Picture Film (8-mm Type S) – 16-mm Film Perforated 8-mm Type S (1-3) – Printed Areas

ST 183:1996 (Stabilized 2015) Motion-Picture Film – Photographic Audio Level Test Films – Measurement of Photoelectric Output Factor

ST 184:1998 (Stabilized 2015) Motion-Picture Film – Raw Stock Identification and Labeling

ST 185:2011 (Stabilized 2017) Motion-Picture Film (70-mm) – Six Magnetic Records on Release Prints – Position, Dimensions, Reproducing Speed and Identity

ST 192:1997 (Archived 2010) Motion-Picture Equipment (35-mm) – Shipping Reels for Prints

ST 194:2002 Motion-Picture Film (35-mm) – Projector Usage – Release Prints Having Four Perforations per Frame

ST 195:2000 (Stabilized 2017) Motion-Picture Film (35-mm) – Motion-Picture Prints – Projectable Image Area (R2012)

ST 196:2003 Motion-Picture Film – Indoor Theater and Review Room Projection – Screen Luminance and Viewing Conditions

ST 197:2003 (Archived 2008) Motion-Picture Film (8-mm Type S) – 50-Ft Model 1 Sound Camera Cartridge – Cartridge, Cartridge-Camera Interface and Take-Up Core

ST 198:2003 (Archived 2008) Motion-Picture Film (8-mm Type S) – 50-Ft Model 1 Sound Camera Cartridge – Aperture, Pressure Pad and Film Position

ST 199:2003 (Archived 2008) Motion-Picture Film (8-mm Type S) – 50-Ft Model 1 Sound Camera Cartridge – Pressure Pad Flatness and Camera Aperture Profile

ST 200:2003 (Archived 2009) Motion-Picture Equipment (8-mm Type S) – Model 1 Camera Cartridge – Camera Run Length, Perforation Cutout and End-of-Run Notch

ST 201:1996 (Stabilized 2015) Motion-Picture Film (16-mm) – Type W Camera Aperture Image

ST 202:2010 Motion-Pictures – Dubbing Stages (Mixing Rooms), Screening Rooms and Indoor Theaters – B-Chain Electroacoustic Response

ST 203:2011 (Stabilized 2017) Motion-Picture Film (35-mm) – Prints – Two-Track Photographic Analog Audio Records

ST 205:1993 (Archived 2009) Motion-Picture Equipment (8-mm Type S) – Model 1 Camera Cartridge – Interface and Take-Up Core Drive (200-Ft Capacity)

ST 206:1998 (Archived 2004) Motion-Picture Equipment (8-mm Type S) – Model 1 Sound Camera Cartridge – Aperture, Profile, Film Position, Pressure Pad and Flatness (200-Ft Capacity)

ST 207:1997 Television – Digital Control Interface – Electrical and Mechanical Characteristics (R2003)

ST 208:1992 (Stabilized 2015) Motion-Picture Film – 35- and 16-mm Magnetic Audio Records – Recorded Characteristics

ST 209:1996 (Archived 2003) Motion-Picture Film (8-mm Type S) – Magnetic Audio Records – Recorded Characteristic

ST 210:2004 (Archived 2009) Motion-Picture Film (16-mm) – Magnetic Audio Records - Two Records on 16-mm Magnetic Film

ST 211:2001 (Stabilized 2017) Motion-Picture Film – 16- and 35-mm Variable-Area Photographic Audio Records – Signal-to-Noise Ratio (R2012)

ST 212:1995 (Stable 2012) Motion-Picture Equipment (8-mm Type S) – Projection Reels - 75-mm Diameter (R2004)

ST 214:2007 Motion-Picture Film (35-mm) – Analog Photographic Audio Reproduction Characteristics (R2013)

ST 215:1995 (Stabilized 2015) Motion-Picture Film (65-mm) – Camera Aperture Image

ST 216:1998 (Archived 2003) Motion-Picture Film (35-mm) – Four-Track Striped Release Prints – Recorded Characteristic of Magnetic Audio Records

ST 217:2015 Motion-Picture Film (70-mm) – Striped Release Prints – Recorded Characteristic of Magnetic Audio Records

ST 218:1996 (Archived 2005) Motion-Picture Film (16-mm) – 200-Mil Center-Position Magnetic Audio

ST 220:1996 (Stabilized 2015) Motion-Picture and Television Equipment – Camera Mounting Connections – 1/4-Inch-20 Thread and 3/8-Inch-16 Thread Tripod Screws

ST 221:2003 (Stabilized 2015) Motion-Picture Film (70-mm) – Six-Track Audio Release Prints - Magnetic Striping

ST 222:1994 (Archived 2006) Television – Control and Review Rooms – Monitor System Electroacoustic Response

ST 223:2001 (Stabilized 2012) Motion-Picture Film – Safety Film

ST 224:2003 Television Digital Component Recording – 19-mm Type D-1 – Tape Record

ST 225:2003 (Archived 2010) Television Digital Component Recording – 19-mm Type D-1 – Magnetic Tape

ST 226:1996 (Archived 2003) Television Digital Recording – 19-mm Tape Cassettes

ST 227:1996 (Archived 2010) Television Digital Component Recording – 19-mm Type D-1 – Helical Data and Control Records

ST 228:1996 (Archived 2010) Television Digital Component Recording – 19-mm Type D-1 – Time and Control Code and Cue Records

ST 229:1996 (Archived 2010) Television Analog Recording – 1/2-in Type L – Records

ST 230:1996 (Archived 2010) Television Analog Recording - 1/2-in Type L – Electrical Parameters, Control Code and Tracking Control

ST 231:2004 (Archived 2009) Motion-Picture Film (8-mm Type R) – Camera Aperture Image and Usage

ST 233:2003 (Stabilized 2010) Motion-Picture Film (16-mm) – Projectable Image Area and Projector Usage

ST 234:998 (Archived 2003) Motion-Picture Film (8-mm Type R) – Projectable Image Area and Projector Usage

ST 235:1998 (Stabilized 2017) Motion-Picture Equipment (16-mm) – Projection Reels – 200- to 2300-Ft Capacity (R2012)

ST 236:1998 Motion-Picture Equipment (8-mm Type R) – Projection Reels (R2003)

ST 237:2003 (Stabilized 2015) Motion-Picture Film (35-mm) – Perforated DH-1870 (R2013)

ST 238:1998 (Archived 2004) Television Analog Recording – 1/2-in Type L – Tapes and Cassettes

ST 239:2004 (Archived 2009) Motion-Picture Film (16-mm) – Perforated 8-mm Type R, 2R

ST 240:1999 (Archived 2004) Television – 1125-Line High-Definition Production Systems – Signal Parameters

ST 241:2015 Motion-Picture Equipment – 35-mm and 70-mm Projection Reels

ST 242:2003 (Stabilized 2016) Motion-Picture Equipment (35-mm) – Universal Intermittent Sprockets

ST 243:1993 Motion-Picture Equipment – 35- and 70-mm Projection Lenses and Mounts (R2007)

ST 244:2003 Television – System M/NTSC Composite Video Signals – Bit-Parallel Digital Interface

ST 245:1993 (Archived 2004) Television Digital Recording – 19-mm Type D-2 Composite Format – Tape Record

ST 246:2003 (Archived 2010) Television Digital Recording – 19-mm Type D-2 Composite Format – Magnetic Tape

ST 247:2003 (Archived 2010) Television Digital Recording – 19-mm Type D-2 Composite Format – Helical Data and Control Records

ST 248:2003 (Archived 2010) Television Digital Recording – 19-mm Type D-2 Composite Format – Cue Record and Time and Control Code Record

ST 249:1996 (Archived 2010) Television Analog Recording – 1/2-in Type M-2 – Records

ST 250:1996 (Archived 2010) Television Analog Recording – 1/2-in Type M-2 – Tapes and Cassettes

ST 251:1996 (Archived 2004) Television Analog Recording – 1/2-in Type M-2 – Electrical Parameters of Video, Audio, Time and Control – Code and Tracking Control

ST 252:1996 (Archived 2004) Television Analog Recording – 1/2-in Type M-2 – Pulse Code Modulation Audio

ST 253:1998 (Archived 2003) Television – Three-Channel RGB Analog Video Interface

ST 254:2008 Motion-Picture Film (35-mm) – Manufacturer-Printed, Latent Image Identification Information (R2013)

ST 256:1996 (Archived 2003) Television – Specifications for Video Tape Leader

ST 257:1998 Motion-Picture Film (35-mm) – Stereoscopic Prints with Vertically Positioned Subframes – Projectable Image Areas (R2003)

ST 258:2004 (Archived 2011) Television – Transfer of Edit Decision Lists

ST 259:2008 Television – SDTV Digital Signal/Data – Serial Digital Interface

ST 260:1999 (Archived 2004) Television – 1125/60 High-Definition Production System – Digital Representation and Bit-Parallel Interface

ST 262:1995 (Archived 2011) Television, Audio and Film – Binary Groups of Time and Control Codes – Storage and Transmission of Data

ST 263:2004 (Archived 2010) Television Digital Recording – 1/2-in Type D-3 Composite and Type D-5 Component Format – Tape Cassette

ST 264:1998 (Archived 2004) Television Digital Recording – 1/2-in Type D-3 Composite Format – 525/60

ST 265:1998 (Archived 2004) Television Digital Recording – 1/2-in Type D-3 Composite Format – 625/50

ST 266:2012 SD Digital Component Systems – Digital Vertical Interval Time Code

ST 267:1995 Television - Bit-Parallel Digital Interface – Component Video Signal 4:2:2 16x9 Aspect Ratio
PLEASE NOTE: WITHDRAWN 2014. This document is available for historical purposes only.

ST 268:2014 (Stablized 2015) File Format for Digital Moving-Picture Exchange (DPX)

ST 269:1999 Television – Fault Reporting in Television Systems (R2004)

ST 270:2008 (Stabilized 2015) Motion-Picture Film (65-mm) – Manufacturer-Printed Latent Image Identification Information – 80 Perforation Repeat

ST 271:2008 Motion-Picture Film (16-mm) – Manufacturer-Printed Latent Image Identification Information (R2013)

ST 272:2004 Television – Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space

ST 273:2003 (Archived 2009) Television – Status Monitoring and Diagnostics Protocol

ST 274:2008 Television – 1920 x 1080 Image Sample Structure, Digital Representation and Digital Timing Reference Sequences for Multiple Picture Rates (R2013)

ST 275:1995 (Archived 2003) Television and Audio Equipment – ESlan-1 Remote Control System

ST 276:1995 Television – Transmission of AES-EBU Digital Audio Signals Over Coaxial Cable

ST 277:1996 (Archived 2004) Television Digital Recording – 19-mm Type D-6 – Helical Data, Longitudinal Index, Cue and Control Records

ST 278:1996 (Archived 2004) Television Digital Recording – 19-mm Type D-6 – Content of Helical Data and Time and Control Code Records

ST 279:2001 (Archived 2006) Digital Video Recording – 1/2-in Type D-5 Standard-Definition Component Video and Type HD-D5 High-Definition Video Compressed Data

ST 291-1:2011 Ancillary Data Packet and Space Formatting (R2016)
 (NOTE: Document previously numbered SMPTE ST 291:2011; Content Unchanged)

OV 292-0:2011 SMPTE Bit-Serial Interfaces at 1.5 Gb/s – Roadmap for the 292 Document Suite

ST 292-1:2012 1.5 Gb/s Signal / Data Serial Interface (R2016)

ST 292-2:2011 Dual 1.5 Gb/s Serial Digital Interface for Stereoscopic Image Transport (R2016)

ST 293-2003 Television – 720 x 483 Active Line at 59.94-Hz Progressive Scan Production – Digital Representation

ST 294:2001 Television – 720 x 483 Active Line at 59.94-Hz Progressive Scan Production – Bit-Serial Interfaces

ST 295:1997 (Archived 2003) Television – 1920 x 1080 50-Hz – Scanning and Interface

ST 296:2012 1280 x 720 Progressive Image 4:2:2 and 4:4:4 Sample Structure – Analog and Digital Representation and Analog Interface

OV 297-0:2017 Serial Digital Fiber Transmission and Multi-Link and Multi-Channel SDI Using CWDM – Overview for the 297 Document Suite

ST 297-1:2015 Serial Digital Fiber Transmission System for SMPTE ST 259, SMPTE ST 344, SMPTE ST 292-1/2, SMPTE ST 424, SMPTE ST 2081-1 and SMPTE ST 2082-1 Signals
 (Note: Previously published as ST 297:2015; Content unchanged)

ST 297-2:2017 Multi-Link and Multi-Channel 1.5G, 3G, 6G and 12G-SDI Using CWDM

ST 298:2009 Universal Labels for Unique Identification of Digital Data

OV 299-0:2010 24-Bit Digital Audio Format for SMPTE Bit-Serial Interfaces at 1.5 Gb/s and 3 Gb/s – Roadmap for the 299 Document Suite

ST 299-1:2009 24-Bit Digital Audio Format for SMPTE 292 Bit-Serial Interface (NOTE: Document previously numbered SMPTE 299-2009 – Content Unchanged)

ST 299-2:2010 Extension of the 24-Bit Digital Audio Format to 32 Channels for 3 Gb/s Bit-Serial Interfaces (R2016)

ST 300:2002 (Stabilized 2017) Motion-Picture Color Print Film (35-mm) – Manufacturer-Printed Latent Image Identification Information (R2012)

ST 301:2005 (Stabilized 2015) Motion-Picture Film – Theater Projection Leader, Trailer and Cue Marks

ST 302:2007 Television – Mapping of AES3 Data into MPEG-2 Transport Stream

ST 303:2002 (Archive 2010) Television – Color Reference Pattern

ST 304:2009 Television – Broadcast Cameras – Hybrid Electrical and Fiber-Optic Connector

ST 305:2005 Television – Serial Data Transport Interface

ST 306:2002 (Archived 2007) Television Digital Recording – 6.35-mm Type D-7 Component Format – Video Compression at 25 Mb/s – 525/60 and 625/50

ST 307:2002 (Archived 2007) Television Digital Recording – 6.35-mm Type D-7 Component Format – Tape Cassette

ST 308:2004 (Archive 2010) Television – MPEG-2 4:2:2 Profile at High Level

ST 309:2012 Television – Transmission of Date and Time Zone Information in Binary Groups of Time and Control Code

ST 310:2010 Television – Synchronous Serial Interface for MPEG-2 Digital Transport Streams

ST 311:2009 Television – Hybrid Electrical and Fiber Optical Camera Cable

ST 312:2001 (Archived 2005) Television – Splice Points for MPEG-2 Transport Streams

ST 313:2008 Motion-Picture Film (65-mm) – Manufacturer-Printed Latent Image Identification Information – 120 Perforation Repeat (R2013)

ST 314:2005 (Stabilized 2013) Television – Data Structure for DV-Based Audio, Data and Compressed Video – 25 and 50 Mb/s

ST 315:2004 (Archived 2011) Television – Camera Positioning Information Conveyed by Ancillary Data Packets

ST 316:2006 Television Digital Recording – 12.65-mm Type D-9 Component Format – Video Compression – 525/60 and 625/50

ST 317:1999 (Archived 2010) Television Digital Recording – 12.65-mm Type D-9 Component Format – Tape Cassette (R2004)

ST 318:2015 Synchronization of 59.94- and 50-Hz Related Video and Audio Systems in Analog and Digital Areas – Reference Signals

ST 319:2000 (Archived 2005) Television – Transporting MPEG-2 Recoding Information through 4:2:2 Component Digital Interfaces

ST 320:1999 Television – Channel Assignments and Levels on Multichannel Audio Media

ST 321:2002 (Archived 2007) Television – Data Stream Format for the Exchange of DV-Based Audio, Data and Compressed Video Over a Serial Data Transport Interface

ST 322:2004 Television – Format for Transmission of DV Compressed Video, Audio and Data Over a Serial Data Transport Interface

ST 323:2004 (Stabilized 2015) Motion-Picture Film – Channel Assignments and Levels on Multichannel Audio Media

ST 324:2004 Television – Serial Interface for Multiplexing Eight AES Data Streams

ST 325:1999 Digital Television – Opportunistic Data Broadcast Flow Control (R2004)

ST 326:2000 Television – SDTI Content Package Format (SDTI-CP)

ST 327:2000 (Archived 2006) Television – MPEG-2 Video Recoding Data Set

ST 328:2000 (Archived 2006) Television – MPEG-2 Video Elementary Stream Editing Information

ST 329:2000 (Archived 2006) Television – MPEG-2 Video Recoding Data Set - Compressed Stream Format

ST 330:2011 Unique Material Identifier (UMID)

ST 331:2011 Element and Metadata Definitions for the SDTI-CP

ST 332:2000 (Archived 2006) Television – Encapsulation of Data Packet Streams Over SDTI (SDTI-PF)

ST 333:2008 DTV Closed-Caption Server to Encoder Interface

ST 334-1:2015 Vertical Ancillary Data Mapping of Caption Data and Other Related Data

ST 334-2:2015 Caption Distribution Packet (CDP) Definition

ST 335:2012 Metadata Element Dictionary Structure

ST 336:2017 Data Encoding Protocol Using Key-Length-Value

ST 337:2015 Format for Non-PCM Audio and Data in AES3 Serial Digital Audio Interface

ST 338:2016 Format for Non-PCM Audio and Data in AES3 - Data Types

ST 339:2015 Format for Non-PCM Audio and Data in AES3 – Generic Data Types

ST 340:2015 Format for Non-PCM Audio and Data in AES3 – ATSC A/52B Digital Audio Compression Standard for AC-3 and Enhanced AC-3 Data Types

ST 341:2000 (Archived 2006) Television – Format for Non-PCM Audio and Data in AES3 – Captioning Data Type

ST 342:2004 (Archived 2010) Television – HD-D5 Compressed Video 1080i and 720p Systems – Encoding Process and Data Format

ST 343:2002 (Archived 2010) Television – Declarative Data Essence – Local Identifier (lid:) URI Scheme

ST 344:2000 (Archived 2006) Television – 540 Mb/s Serial Digital Interface

ST 345:2002 Television – Mapping of SYNC Stream Block in ATM Common Layer to ATM Adaption Layer Type 1

ST 346:2000 Time Division Multiplexing Video Signals and Generic Data over High-Definition Television Interfaces.
PLEASE NOTE: WITHDRAWN 2010. This document is available for historical purposes only.

ST 347:2001 (Archived 2006) Television – 540 Mb/s Serial Digital Interface – Source Image Format Mapping

ST 348:2005 Television – High Data Rate Serial Data Transport Interface (HD-SDTI)

ST 349:2001 (Archived 2006) Television – Transport of Alternate Source Image Formats through SMPTE 292M

ST 351:2000 (Archived 2006) Television – Transporting MPEG-2 Recoding Information through High-Definition Digital Interfaces

ST 352:2013 Payload Identification Codes for Serial Digital Interfaces

ST 353:2000 (Archived 2006) Television – Transport of MPEG-2 Recoding Information as Ancillary Data Packets

ST 354:2002 Television – ATM Common Layer for Transport of Packetized Audio, Video and Data over Asynchronous Transfer Mode using ATM Adaption Layer Type 1

ST 355:2001 Television – Format for Non-PCM Audio and Data in AES - KLV Data Type

ST 356:2001 (Archived 2006) Television – Type D-10 Stream Specifications – MPEG-2 4:2:2P @ ML for 525/60 and 625/50

ST 357:2002 Television – Declarative Data Essence – Internet Protocol Multicast Encapsulation

ST 358:2001 (Archived 2006) Television – Four-Circuit Fiber Optic Connector

ST 359:2001 (Archived 2006) Television and Motion-Pictures – Dynamic Documents

ST 360:2009 (Stabilized 2016) General Exchange Format

ST 361:2002 (Archived 2010) Television – NTSC IP and Trigger Binding to VBI

ST 362:2002 (Archived 2007) Television – Object Data Format for the Exchange of DV-Based Audio, Data and Compressed Video using ATM Common Layer over Asynchronous Transfer Mode, AAL Type

ST 363-2:2002 (Archived 2010) Television – Declarative Data Essence – Content Level 1

ST 364:2008 Television – Declarative Data Essence – Unidirectional Hypertext Transport Protocol

ST 365:2001 (Archived 2006) Digital Television Tape Recording – 12.65-mm Type D-10 Format for MPEG-2 Compressed Video - 525/60 and 625/50

ST 366:2002 (Archived 2010) Television – Declarative Data Essence – Document Object Model Level 0 (DOM-0) and Related Object Environment

ST 367:2002 (Archived 2010) Television – Type D-11 Picture Compression and Data Stream Format

ST 368:2002 (Archived 2007) Digital Television Tape Recording – 12.65-mm Type D-11 Format

ST 369:2002 (Archived 2007) Television – Type D-11 Data Stream and AES3 Data Mapping over SDTI

ST 370:2013 Television – Data Structure for DV-Based Audio, Data and Compressed Video at 100 Mb/s 1080/60i, 1080/50i, 720/60p, 720/50p

Amendment 1:2009 to ST 370:2006

ST 371:2002 (Archived 2007) Television – 6.35-mm Type D-12 Component Format – Digital Recording at 100 Mb/s 1080/60i, 1080/50i, 720/60p

ST 372:2017 Dual Link 1.5 Gb/s Digital Interface for 1920 x 1080 and 2048 x 1080 Picture Formats

ST 374:2003 (Archived 2010) Television – Mapping of Vertical Ancillary Data Packets and Extended Video Line Data into Video DIF Blocks of DV-Based 50 Mb/s DIF Stream Format

ST 375:2003 (Archived 2010) Television – Mapping of Vertical Ancillary Data Packets (VANC) into VAUX DIF Blocks of DV-Based 100 Mb/s DIF Stream Format

ST 376:2003 (Archived 2010) Television – Mapping of Vertical Ancillary Data Packets (VANC) into VAUX DIF Blocks of DV-Based 25 Mb/s or 50 Mb/s Streams and Extended Video Line Data into VAUX DIF Blocks of DV-Based 25 Mb/s DIF Stream

ST 377-1:2011 Material Exchange Format (MXF) – File Format Specification

Amendment 1:2012 to ST 377-1:2011

Amendment 2:2012 to ST 377-1:2011

ST 377-4:2012 MXF Multichannel Audio Labeling Framework

ST 378:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Operational Pattern 1a (Single Item, Single Package)

OV 379-0:2015 Material Exchange Format (MXF) – MXF Generic Container – Overview for the SMPTE ST 379 Document Suite

ST 379-1:2009 (Stabilized 2015) Material Exchange Format (MXF) – MXF Generic Container

ST 379-2:2010 (Stabilized 2016) Television - Material Exchange Format (MXF) – MXF Constrained Generic Container

ST 380:2004 Television – Material Exchange Format (MXF) – Descriptive Metadata Scheme-1 (Standard, Dynamic)

ST 381-1:2005 (Archived 2011) Television – Material Exchange Format (MXF) – Mapping MPEG Streams into the MXF Generic Container (Dynamic)

ST 381-2:2018 Material Exchange Format (MXF) – Mapping MPEG Streams into the MXF Constrained Generic Container

ST 381-3:2017 Material Exchange Format (MXF) – Mapping AVC Streams into the MXF Generic Container
PLEASE NOTE: This document replaced RP 2008:2008.

ST 381-4:2017 Mapping AAC Compressed Audio into the MXF Generic Container

ST 382:2007 Material Exchange Format – Mapping AES3 and Broadcast Wave Audio into the MXF Generic Container

Amendment 1:2012 to ST 382:2007

Amendment 2:2013 to ST 382:2007

ST 383:2008 Television – Material Exchange Format (MXF) – Mapping DV-DIF Data to the MXF Generic Container (R2013)

ST 384:2005 Television – Material Exchange Format (MXF) – Mapping of Uncompressed Pictures into the Generic Container (R2013)

ST 385:2012 Material Exchange Format (MXF) – Mapping SDTI-CP Essence and Metadata into the MXF Generic Container

ST 386:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Mapping Type D-10 Essence Data to the MXF Generic Container

ST 387:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Mapping Type D-11 Essence Data to the MXF Generic Container

ST 388:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Mapping A-law Coded Audio into the MXF Generic Container

ST 389:2005 Television – Material Exchange Format (MXF) – MXF Generic Container Reverse Play System Element (R2013)

ST 390:2011 (Stabilized 2016) Material Exchange Format (MXF) – Specialized Operational Pattern “OP-Atom” (Simplified Representation of a Single Item)

ST 391:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Operational Pattern 1b (Single Item, Ganged Packages)

ST 392:2013 Material Exchange Format (MXF) – Operational Pattern 2a (Play-List Items, Single Package)

ST 393:2004 (Archived 2010) Television – Material Exchange Format (MXF) – Operational Pattern 2b (Play-List Items, Ganged Packages)

ST 394:2006 Television – Material Exchange Format (MXF) – System Scheme 1 for the MXF Generic Container (R2013)

ST 395:2014 Metadata Groups Register

ST 396:2003 Television – Packet Format and Transmission Timing of DV-Based Data Streams over IEEE 1394

ST 397:2003 (Archived 2010) Television – Declarative Data Essence – Transitional

ST 398:2004 (Archived 2010) Digital Video Recording – 1/2-in Type D-14 Component Format – 525/60 and 625/50

ST 399:2004 (Archived 2010) Digital Television Recording – 1/2-in Type D-15 High-Definition Compressed Video Data Format

ST 400:2012 SMPTE Labels Structure

ST 401:2005 Television – Extended Content Control Information (ExCCI) Data Packet

ST 402:2003 (Archived 2010) Television – A Data Reduction Method for the MPEG-2 Video Recording Data Set

ST 405:2006 Television – Material Exchange Format (MXF) – Elements and Individual Data Items for the MXF Generic Container System Scheme 1 (R2013)

ST 407:2006 Television – Material Exchange Format (MXF) – Operational Patterns 3a and 3b (R2013)

ST 408:2006 Television – Material Exchange Format (MXF) – Operational Patterns 1c, 2c and 3c (R2013)

ST 409:2005 Digital Television Tape Recording – 12.65-mm Type D-16 Format

ST 410:2008 Material Exchange Format – Generic Stream Partition (R2013)

ST 411:2006 (Stabilized 2015) Motion-Picture Film – Cinematography – Spectral Response of Photographic Audio Reproducers for Analog Dye Sound Tracks on 35-mm Film

ST 417:2005 (Stabilized 2015) Motion-Picture Film (65-mm) – Camera Aperture Image and Usage, 15/70 Format

ST 418:2005 (Stabilized 2015) Motion-Picture Film (65-mm) – Camera Aperture Image and Usage, 8/70 Format

ST 419:2005 (Stabilized 2016) Motion-Picture Film (70-mm) – Projectable Image Area, 15/70 Format

ST 420:2005 (Stabilized 2016) Motion-Picture Film (70-mm) – Projectable Image Area, 8/70 Format

ST 421:2013 VC-1 Compressed Video Bitstream Format and Decoding Process

ST 422:2014 Material Exchange Format – Mapping JPEG 2000 Codestreams into the MXF Generic Container

Amendment 1:2014 to SMPTE ST 422:2013

ST 424:2012 3 Gb/s Signal/Data Serial Interface

OV 425-0:2014 (Revision of SMPTE 425-0:2012-06) SMPTE Bit-Serial Interfaces at 3 Gb/s – Roadmap for the 425 Document Suite

ST 425-1:2017 Source Image Format and Ancillary Data Mapping for the 3 Gb/s Serial Interface

Amendment 1:2014 to SMPTE ST 425-1:2011

ST 425-2:2012 Source Image Format and Ancillary Data Mapping for Stereoscopic Image Formats on a Single-Link 3 Gb/s Serial Interface

ST 425-3:2015 Image Format and Ancillary Data Mapping for the Dual Link 3 Gb/s Serial Interface

Amendment 1:2015 to SMPTE ST 425-3:2014

ST 425-4:2012 Dual 3 Gb/s Serial Digital Interface for Stereoscopic Image Transport

ST 425-5:2015 Image Format and Ancillary Data Mapping for the Quad Link 3 Gb/s Serial Interface

ST 425-6:2014 Quad 3 Gb/s Serial Digital Interface for Stereoscopic Image Transport (R2016)

ST 427:2009 Link Encryption for 1.5 Gb/s Serial Digital Interface

ST 428-1:2006 D-Cinema Distribution Master – Image Characteristics

ST 428-2:2006 D-Cinema Distribution Master – Audio Characteristics

ST 428-3:2006 D-Cinema Distribution Master – Audio Channel Mapping and Channel Labeling

ST 428-7:2014 D-Cinema Distribution Master – Subtitle

ST 428-9:2008 D-Cinema Distribution Master – Image Pixel Structure Level 3 – Serial Digital Interface Signal Formatting

ST 428-10:2008 D-Cinema Distribution Master – Closed Caption and Closed Subtitle

ST 428-11:2013 Additional Frame Rates for D-Cinema

ST 428-12:2013 D-Cinema Distribution Master – Common Audio Channels and Soundfield Groups

ST 428-19:2010 D-Cinema Distribution Master – Additional Frame Rates Level AFR2 and Level AFR4 – Serial Digital Interface Signal Formatting

ST 428-21:2011 Archive Frame Rates for D-Cinema

ST 429-2:2013 D-Cinema Packaging – DCP Operational Constraints

ST 429-3:2007 D-Cinema Packaging – Sound and Picture Track File

ST 429-4:2006 D-Cinema Packaging – MXF JPEG 2000 Application

ST 429-5:2017 D-Cinema Packaging – Timed Text Track File

ST 429-6:2006 D-Cinema Packaging – MXF Track File Essence Encryption

Amendment 1:2018 to ST 430-6:2006

ST 429-7:2006 D-Cinema Packaging – Composition Playlist

ST 429-8:2007 D-Cinema Packaging – Packing List

ST 429-9:2014 D-Cinema Packaging – Asset Mapping and File Segmentation

ST 429-10:2008 D-Cinema Packaging – Stereoscopic Picture Track File

ST 429-12:2008 D-Cinema Packaging – Caption and Closed Subtitle

ST 429-13:2009 D-Cinema Packaging – DCP Operational Constraints for Additional Frame Rates

ST 429-14:2014 D-Cinema Packaging – Aux Data Track File

ST 429-16:2014 Additional Composition Metadata and Guidelines

ST 429-17:2017 XML Constraints

ST 430-1:2017 D-Cinema Operations – Key Delivery Message

ST 430-2:2017 D-Cinema Operations – Digital Certificate

ST 430-3:2012 D-Cinema Operations – Generic Extra-Theater Message Format

ST 430-4:2008 D-Cinema Operations – Log Record Format Specification

Amendment 1:2011 to ST 430-4:2008

ST 430-5:2011 D-Cinema Operations – Security Log Event Class and Constraints

ST 430-6:2010 D-Cinema Operations – Auditorium Security Messages for Intra-Theater Communications

ST 430-7:2008 D-Cinema Operations – Facility List Message

Amendment 1:2011 to ST 430-7:2008

ST 430-9:2008 D-Cinema Operations – Key Delivery Bundle

Amendment 1:2011 to ST 430-9:2008

ST 430-10:2010 D-Cinema Operations – Auxiliary Content Synchronization Protocol

ST 430-11:2010 D-Cinema Operations – Auxiliary Resource Presentation List

ST 430-12:2014 D-Cinema Operations – FSK Synchronization Signal

ST 430-14:2015 D-Cinema Operations – Digital Sync Signal and Aux Data Transfer Protocol

ST 430-15:2017 D-Cinema Operations – Facility List Message Exchange Protocol

ST 430-16:2017 D-Cinema Operations – Extended Facility List Message

ST 431-1:2006 D-Cinema Quality – Screen Luminance Level, Chromaticity and Uniformity

ST 433:2008 D-Cinema – XML Data Types

Amendment 1:2011 to ST 433:2008

ST 434:2014 Material Exchange Format – XML Encoding for Metadata and File Structure Information

OV 435-0:2012 10 Gb/s Serial Signal/Data Interface – Roadmap

ST 435-1:2012 10 Gb/s Serial Signal/Data Interface – Part 1: Basic Stream Derivation

ST 435-2:2012 10 Gb/s Serial Signal/Data Interface – Part 2: 10.692 Gb/s Stream – Basic Stream Mapping

ST 435-3:2012 10 Gb/s Serial Signal/Data Interface – Part 3: 10.692 Gb/s Optical Fiber Interface

ST 436-1:2013 MXF Mappings for VI Lines and Ancillary Data Packets

ST 2001-1:2015 XML Representation of SMPTE Registered Data (Reg-XML) – Mapping Rules

ST 2001-2:2014 XML Representation of SMPTE Registered Data (Reg-XML) – AAF and MXF

ST 2003:2012 Types Dictionary Structure

ST 2010:2008 Vertical Ancillary Data Mapping of ANSI/SCTE 104 Messages

ST 2016-1:2009 Format for Active Format Description and Bar Data

ST 2016-2:2014 Format for Pan-Scan Information

ST 2016-3:2009 Vertical Ancillary Data Mapping of Active Format Description and Bar Data

ST 2016-4:2014 Vertical Ancillary Data Mapping of Pan-Scan Information

ST 2016-5:2009 KLV Coding for Active Format Description, Bar Data and Pan-Scan Information
PLEASE NOTE: WITHDRAWN 2012. This document is available for historical purposes only.

ST 2019-1:2016 VC-3 Picture Compression and Data Stream Format

ST 2019-3:2008 VC-3 Type Data Stream Mapping over SDTI

ST 2019-4:2016 Mapping VC-3 Coding Units into the MXF Generic Container

ST 2020-1:2014 Format of Audio Metadata and Description of the Asynchronous Serial Bitstream Transport

ST 2020-2:2014 Vertical Ancillary Data Mapping of Audio Metadata – Method A

ST 2020-3:2014 Vertical Ancillary Data Mapping of Audio Metadata – Method B

OV 2021-0:2017 Broadcast Exchange Format - Roadmap for the 2021 Document Suite

ST 2021-1:2017 Broadcast Exchange Format (BXF) - Requirements and Informative Notes

ST 2021-2:2017 Broadcast Exchange Format (BXF) - Protocol

ST 2022-1:2007 Forward Error Correction for Real-Time Video/Audio Transport Over IP Networks

ST 2022-2:2007 Unidirectional Transport of Constant Bit Rate MPEG-2 Transport Streams on IP Networks

ST 2022-3:2010 Unidirectional Transport of Variable Bit Rate MPEG-2 Transport Streams on IP Networks

ST 2022-4:2011 Unidirectional Transport of Non-Piecewise Constant Variable Bit Rate MPEG-2 Streams on IP Networks

ST 2022-5:2013 Forward Error Correction for High Bit Rate Media Transport Over IP Networks

ST 2022-6:2012 Transport of High Bit Rate Media Signals Over IP Networks (HBRMT)

ST 2022-7:2013 Seamless Protection Switching of SMPTE ST 2022 IP Datagrams

ST 2029:2009 Uniform Resource Names for SMPTE Resources

ST 2031:2015 Carriage of DVB/SCTE VBI Data in VANC

ST 2032-1:2007 Media Dispatch Protocol (MDP) – Protocol Specification

ST 2032-2:2007 Media Dispatch Protocol (MDP) – MDP/XML/HTTP Mapping Specification

ST 2032-3:2007 Media Dispatch Protocol (MDP) – Basic Target Pull Profile Specification

ST 2034-1:2017 Archive eXchange Format (AXF) – Part 1: Structure & Semantics

ST 2035:2009 Audio Channel Assignments for Digital Television Recorders (DTRs)

Amendment 1:2012 to SMPTE ST 2035:2009

OV 2036-0:2015 Ultra High Definition Television – Overview for the SMPTE ST 2036 Document Suite

ST 2036-1:2014 Ultra High Definition Television – Image Parameter Values for Program Production

ST 2036-2:2008 Ultra High Definition Television – Audio Characteristics and Audio Channel Mapping for Program Production (R2013)

ST 2036-3:2015 Ultra High Definition Television – Mapping into Single-link or Multi-link 10 Gb/s Serial Signal/Data Interface

ST 2036-4:2015 Ultra High Definition Television – Multi-link 10 Gb/s Signal/Data Interface Using 12-Bit Width Container

ST 2037:2009 (Stabilized 2016) Mapping VC-1 into the MXF Generic Container

ST 2038:2008 Carriage of Ancillary Data Packets in an MPEG-2 Transport Stream

ST 2041-1:2010 Format for Non-PCM Audio in AES3 – MPEG Layer I, II and II Audio

ST 2041-2:2010 Format for Non-PCM Audio in AES3 – MPEG-2 AAC and HE AAC Audio in ADTS

ST 2041-3:2010 Format for Non-PCM Audio and Data in AES3 – MPEG-4 AAC and HE AAC Compressed Digital Audio in ADTS and LATM/LOAS Wrappers

ST 2042-1:2012 VC-2 Video Compression

ST 2042-2:2017 VC-2 Level Definitions

ST 2042-4:2016 Mapping a VC-2 Stream into the MXF Generic Container

ST 2045:2010 Register Interchange Format

ST 2046-1:2009 Specifications for Safe Action and Safe Title Areas for Television

ST 2047-2:2010 Carriage of VC-2 Compressed Video Over HD-SDI

ST 2047-4:2011 Carriage of Level 65 VC-2 Compressed Video Over the SDTV SDI

OV 2048-0:2012 2048 x 1080 and 4096 x 2160 Digital Cinematography Production Image Formats FS/709 – Roadmap for the 2048 Document Suite

ST 2048-1:2011 2048 x 1080 and 4096 x 2160 Digital Cinematography Production Image Formats FS/709

Amendment 1:2016 to SMPTE ST 2048-1:2011

ST 2048-2:2011 2048 x 1080 Digital Cinematography Production Image FS/709 Formatting for Serial Digital Interface

ST 2048-3:2012 4096 x 2160 Digital Cinematography Production Image Formats FS/709 – Mapping into Multi-link 10 Gb/s Serial Signal/Data Interface (R2013)

ST 2049:2012 Low Latency Streaming MXF OP 1a

ST 2051:2014 Two-Frame Marker for 48/(1.001)-Hz, 50-Hz and 60(1.001)-Hz Progressive Digital Video Signals on 1.5 Gb/s and 3 Gb/s Interfaces

OV 2052-0:2013 SMPTE-TT and Format Translation – Roadmap for the 2052 Document Suite

ST 2052-1:2013 Timed Text Format (SMPTE-TT)

ST 2053:2011 Media Package for Storage, Distribution and Playback of Multimedia File Sets and Internet Resources

ST 2056:2011 MPEG TS Packets Carried in VANC

ST 2058-1:2010 VC-4 Layered Video Extension Bitstream Format and Decoding Process

ST 2059-1:2015 Generation and Alignment of Interface Signals to the SMPTE Epoch

ST 2059-2:2015 SMPTE Profile for Use of IEEE-1588 Precision Time Protocol in Professional Broadcast Applications

ST 2063:2012 Stereoscopic 3D Full Resolution Contribution Link Based on MPEG-2 TS

ST 2064-1:2015 Audio to Video Synchronization Measurement – Fingerprint Generation

ST 2064-2:2015 Audio to Video Synchronization Measurement – Fingerprint Transport

ST 2065-1:2012 Academy Color Encoding Specification (ACES) (R2013)

ST 2065-2:2012 Academy Printing Density (APD) – Spectral Responsivities, Reference Measurement Device and Spectral Calculation (R2013)

ST 2065-3:2012 Academy Density Exchange Encoding (ADX) – Encoding Academy Printing Density (APD) Values (R2013)

ST 2065-4:2013 ACES Image Container File Layout

ST 2065-5:2016 Material Exchange Format – Mapping ACES Image Sequences into the MXF Generic Container

ST 2066:2012 Disparity Map Representation for Stereoscopic 3D (R2016)

ST 2067-0:2017 Interoperable Master Format – Overview for the SMPTE 2067 Document Suite

ST 2067-2:2016 Interoperable Master Format – Core Constraints

ST 2067-3:2016 Interoperable Master Format – Composition Playlist

ST 2067-5:2013 Interoperable Master Format – Essence Component

Amendment 1:2016 to ST 2067-5:2013

ST 2067-8:2013 Interoperable Master Format – Common Audio Labels

ST 2067-20:2016 Interoperable Master Format – Application #2

ST 2067-21:2016 Interoperable Master Format – Application #2 Extended

ST 2067-30:2013 Interoperable Master Format – Application #3

ST 2067-40:2016 Interoperable Master Format – Application #4 Cinema Mezzanine

Amendment 1:2017 to SMPTE ST 2067-40:2016

ST 2067-50:2018 Interoperable Master Format – Application #5 ACES

ST 2067-100:2014 Interoperable Master Format – Output Profile List

ST 2067-101:2014 Interoperable Master Format – Output Profile List – Common Image Definitions and Macros

ST 2067-102:2017 Interoperable Master Format – Common Image Pixel Color Schemes

ST 2067-103:2014 Interoperable Master Format – Output Profile List – Common Audio Definition and Macros

ST 2068:2013 Stereoscopic 3D Frame Compatible Packaging and Signaling for HDTV

ST 2070-1:2014 Stereoscopic 3D in MXF for Operations – Common Provisions

ST 2070-2:2014 Stereoscopic 3D in MXF for Operations – OP1a Mapping

ST 2070-3:2014 Stereoscopic 3D in MXF for Operations – Op-Atom or Single Track OP-1a Mapping

ST 2071-1:2016 Media Device Control Framework (MDCF)

ST 2071-2:2016 Media Device Control Protocol (MDCP)

ST 2071-3:2014 Media Device Control Discovery (MDCD)

OV 2073-0:2016 VC-5 Video Essence – Overview for the SMPTE 2073 Document Suite

ST 2073-1:2017 VC-5 Video Essence – Part 1: Elementary Bitstream

ST 2073-3:2015 VC-5 Video Essence – Part 3: Image Formats (R2016)

ST 2073-4:2015 VC-5 Video Essence – Part 4: Subsampled Color Difference Components (R2016)

ST 2073-5:2015 VC-5 Video Essence – Part 5: Layers

ST 2073-6:2015 VC-5 Video Essence – Part 6: Sections

ST 2073-10:2017 MXF - Mapping VC-5 Video Essence into the MXF Genetic Container

ST 2075:2013 Mapping EBU TECH 3264 (STL) into the MXF Generic Stream Container

ST 2080-1:2014 Reference White Luminance Level and Chromaticity for HDTV (R2016)

ST 2080-3:2017 Reference Viewing Environment for Evaluation of HDTV Images HDTV

OV 2081-0:2016 6G-SDI Bit-Serial Interfaces – Overview for the SMPTE ST 2081 Document Suite

ST 2081-1:2015 6 Gb/s Signal/Data Serial Interface – Electrical

Amendment 1:2016 to SMPTE ST 2081-1:2015

ST 2081-10:2018 2160-Line and 1080-Line Source Image and Ancillary Data Mapping for Single-Link 6G-SDI

ST 2081-11:2016 2160-Line Source Image and Ancillary Data Mapping for Dual-Link 6G-SDI

ST 2081-12:2016 4320-Line and 2160-Line Source Image and Ancillary Data Mapping for Quad-Link 6G-SDI

ST 2081-30:2017 Transport of Multiple 3Gb/s or 1.5Gb/s Signals on a 6G-SDI Link

OV 2082-0:2016 12G-SDI Bit-Serial Interfaces – Overview for the SMPTE ST 2082 Document Suite

ST 2082-1:2015 12 Gb/s Signal/Data Serial Interface – Electrical

Amendment 1:2016 to SMPTE ST 2082-1:2015

ST 2082-10:2018 2160-Line Source Image and Ancillary Data Mapping for 12G-SDI

ST 2082-11:2016 4320-Line and 2160-Line Source Image and Ancillary Data Mapping for Dual-Link 12G-SDI

ST 2082-12:2016 4320-Line and 2160-Line Source Image and Ancillary Data Mapping for Quad-Link 12G-SDI

ST 2082-30:2017 Transport of Multiple 6Gb/s, 3Gb/s or 1.5Gb/s Signals on a 12G-SDI Link

ST 2084:2014 High Dynamic Range Electro-Optical Transfer Function of Mastering Reference Displays

ST 2085:2015 Y'D'zD'x Color-Difference Computations for High Dynamic Range X'Y'Z' Signals (R2016)

ST 2086:2014 Mastering Display Color Volume Metadata Supporting High Luminance and Wide Color Gamut Images

ST 2087:2016 Depth Map Representation

ST 2091-1:2017 Ruggedized Fiber-Optic Connectors for HDTV and UHDTV SDI

OV 2094-0:2017 Dynamic Metadata for Color Volume Transformation – Overview for the SMPTE ST 2094 Document Suite

ST 2094-1:2016 Dynamic Metadata for Color Volume Transform – Core Components

ST 2094-2:2017 Dynamic Metadata for Color Volume Transform – KLV Encoding and MXF Mapping

ST 2094-10:2016 Dynamic Metadata for Color Volume Transform – Application #1

ST 2094-20:2016 Dynamic Metadata for Color Volume Transform – Application #2

ST 2094-30:2016 Dynamic Metadata for Color Volume Transform – Application #3

ST 2094-40:2016 Dynamic Metadata for Color Volume Transform – Application #4

ST 2095-1:2015 Calibration Reference Wideband Digital Pink Noise Signal

ST 2098-5:2018 D-Cinema Immersive Audio Channels and Soundfield Groups

ST 2100-1:2017 Definition and Representation of Haptic-Tactile Essence for Broadcast Production Applications

ST 2101:2015 Format for Non-PCM Audio and Data in AES 3 – AC-4 Data Type

ST 2102:2017 SMPTE Core Metadata

ST 2106:2016 Format for Non-PCM Audio in AES 3 – Type17 Compressed Audio

ST 2110-10:2017 Professional Media Over Managed IP Networks: System Timing and Definitions

ST 2110-20:2017 Professional Media Over Managed IP Networks: Uncompressed Active Video

ST 2110-21:2017 Professional Media Over Managed IP Networks: Traffic Shaping and Delivery

ST 2110-30:2017 Professional Media Over Managed IP Networks: PCM Digital Audio

ST 2112:2018 Open Binding of Content Identifiers (OBID)

ST 2114:2017 Unique Digital Media Identifier (C4 ID)

RECOMMENDED PRACTICES

RP 6:1994 (Archived 2004) Recorded Carrier Frequencies and Preemphasis Characteristics for 2-in Quadruplex Video Magnetic Tape Recording for 525-Line/60-Field Television Systems

RP 9:1995 (Archived 2004) Dimensions of Double-Frame 35-mm 2x2 Slides for Precise Applications in Television

RP 11:1994 (Archived 2004) Tape Vacuum Guide Configuration and Position for Quadruplex Video Magnetic Tape Recording

RP 12:1997 (Stabilized 2012) Screen Luminance for Drive-In Theaters

RP 14:1997 (Stabilized 2015) Plotting Data from Sensitometric Strips Exposed on Type Ib (Intensity Scale) Sensitometers

RP 15:1997 (Stabilized 2016) Calibration of Densitometers Used for Black-and-White Photographic Density Measurements

RP 16:1993 (Archived 2010) Specifications of Tracking Control Record for 2-in Quadruplex Video Magnetic Tape Recordings

RP 17:1964 (Archived 2009) Photographic Recording Technique for Measuring High-Speed Camera Image Unsteadiness

RP 18:1995 (Archived 2003) Specifications for Test Film for Subjective Checking of 16-mm Motion-Picture Audio Projectors

RP 19:2003 (Archived 2008) Specifications for 8-mm Type R Registration Test Film

RP 20:2003 (Archived 2010) Specifications for 16-mm Registration Test Film

RP 21:2015 Dimensions of 35-mm and 70-mm Motion-Picture Rewind Spindles

RP 24:1997 (Stabilized 2015) Dimensions for 16-mm Motion-Picture Camera

RP 25:2011 (Stabilized 2016) Audio and Picture Synchronization in Motion-Picture Film Relative to Leaders for Television and Theatrical Presentation for Magnetic and Photographic Records

RP 27.1:1989 (Archived 2004) Specifications for Operational Alignment Test Pattern for Television

RP 27.2:1989 (Archived 2004) Specifications for Operational Registration Test Pattern for Multiple-Channel Television Cameras

RP 27.3:1989 (Archived 2004) Specifications for Safe Action and Safe Title Areas Test Pattern for Television Systems

RP 27.4:1994 (Archived 2004) Specifications for an Operational Test Pattern for Checking Jitter, Weave and Travel Ghost in Television Projectors

RP 27.5:1989 (Archived 2004) Specifications for Mid-Frequency Response Test Pattern for Television

RP 32:1995 (Archived 2004) Specifications for 8-mm Type S Test Film for Projectors and Printers Reel Spindles

RP 34:1998 (Archived 2010) Dimensions for 16-mm Motion-Picture Projector Reel Spindles

RP 36:1999 (Archived 2004) Positioning the Headwheel and Adjacent Tape Guides for 2-in Quadruplex Video Magnetic Tape Recorders

RP 38-1:1989 (Archived 2004) Specifications for Deflection Linearity Test Pattern for Television

RP 39:1993 Specifications for Maintaining an Emulsion-In Orientation on Theatrical Release Prints (R2007)

RP 40:2003 (Stabilized 2016) Specifications for 35-mm Projector Alignment and Screen Image Quality Test Film

RP 45:1972 (Archived 2010) Use and Care of Sound Test Films

RP 47:1999 (Archived 2004) Electronic Method of Dropout Detection and Counting

RP 48:1999 (Archived 2009) Lubrication of 16- and 8-mm Motion-Picture Prints

RP 49:1995 (Archived 2004) Leaders for 8-mm Type R and S Motion-Picture Release Prints Used in Continuous-Loop Cartridges

RP 50:1995 (Archived 2004) Dimensions for 8-mm Type S Motion-Picture Projector Reel Spindles

RP 51:1995 (Archived 2004) Screen Luminance and Viewing Conditions for 8-mm Review Rooms

RP 53:1993 (Archived 2008) Scene-Change Methods for Printing 35-mm, 16-mm and 8-mm Type S Motion-Picture Film

RP 54:1999 (Archived 2004) Edge Numbering on 16-mm Release Prints

RP 55:1997 (Stabilized 2015) 8-mm Type S Sprocket Design

RP 56:2002 Safe Action and Safe Title Areas for 8-mm Release Prints (R2007)

RP 58:1995 (Archived 2004) Nomenclature for Devices Enclosing 8-mm Motion-Picture Film for Projection

RP 59:1999 (Archived 2004) Color and Luminance of Review Room Screens for Viewing Motion-Picture Materials Intended for Slides or Film Strips

RP 63:2002 (Stabilized 2015) Specifications for Sound-Focusing Test Film for 16-mm Audio Reproducers, Photographic Type

RP 64:1999 (Archived 2004) Specifications for Audio-Focusing Test Film for 35-mm Audio Reproducers, Photographic Type

RP 65:2000 (Stabilized 2015) Motion-Picture Enlargement/Reduction Ratios

RP 67:2002 (Stabilized 2015) Specifications for Buzz-Track Test Film for 16-mm Motion-Picture Audio Reproducers, Photographic Type

RP 68:2002 (Stabilized 2015) Specifications for Buzz-Track Test Film for 35-mm Motion-Picture Photographic Audio Reproducers

RP 69:2002 (Stabilized 2015) Specifications for Scanning-Beam Uniformity Test Film for 35-mm Motion-Picture Audio Reproducers

RP 70:2002 (Stabilized 2015) Specifications for Flutter Test Film for 16-mm Audio Reproducers, Photographic Type

RP 73:1992 (Archived 2010) 8-mm Type R (Regular 8) Sprocket Design

RP 74:1992 16-mm Sprocket Design (R2007)

RP 75:2002 (Stabilized 2015) Specifications for Flutter Test Film for 35-mm Studio Audio Reproducers, Magnetic Type

RP 76:2002 (Stabilized 2015) Specifications for Flutter Test Film for 16-mm Audio Reproducers, Magnetic Type

RP 77:2004 (Archived 2009) Specifications for Azimuth Test Film for 35-mm Studio Audio Reproducers, Magnetic Type

RP 78:2002 (Stabilized 2015) Specifications for Azimuth Test Film for 16-mm Audio Projectors, Magnetic Type

RP 79:1999 (Archived 2004) Specifications for Flutter Test Film for 35-mm Four-Track Striped Release Print Audio Reproducers, Magnetic Type

RP 81:2004 (Stabilized 2015) Specifications for Scanning-Beam Uniformity Test Film for 16-mm Motion-Picture Photographic Audio Reproducers

RP 82:2004 (Stabilized 2016) Specifications for 16-mm Projector Alignment and Screen Image Quality Test Film

RP 83:1996 (Archived 2003) Specifications of Tracking-Control Record for 1-in Type B Helical-Scan Television Analog Recording

RP 84:1996 (Archived 2003) Reference Carrier Frequencies and Preemphasis Characteristics for 1-in Type B Helical-Scan Television Analog Recording

RP 85:1999 (Archived 2004) Tracking-Control Record for 1-in Type C Helical-Scan Television Tape Recording

RP 86:1991 (Archived 2010) Video Record Parameters for 1-in Type C Helical-Scan Television Tape Recording

RP 87:1999 (Archived 2004) Reference Carrier Frequencies, Preemphasis Characteristic and Audio and Control Signals for 3/4-in Type E Helical-Scan Video Tape Cassette Recording

RP 90:2004 (Stabilized 2015) Specifications for Type U Audio Level and Multi-frequency Test Film for 16-mm Audio Reproducers, Magnetic Type

RP 91:2014 Specifications for 70-mm Projector Alignment and Screen Image Quality Test Film

RP 92:1995 (Archived 2004) Specifications for Audio Level and Multifrequency Test Films for 8-mm Type S Audio Reproducers, Magnetic Type

RP 93:1999 (Archived 2004) Requirements for Recording American National Standard Time and Control Code for 1-in Type B Helical-Scan Video Tape Recorders

RP 94:2000 Gain Determination of Front Projection Screens (R2007)

RP 95:2003 Installation of Gain Screens

RP 96:1993 (Archived 2004) Specifications for Subjective Reference Tapes for Helical-Scan Video Tape Reproducers for Checking Receiver/Monitor Setup

RP 97:2002 (Stabilized 2015) Specifications for Flutter Test Film for 35-mm Audio Reproducers, Photographic Type

RP 98:1995 Measurement of Screen Luminance in Theaters

RP 103:1995 (Archived 2005) Care, Storage, Operation, Handling and Shipping of Magnetic Tape for Television

RP 104:2005 (Stabilized 2015) Cross-Modulation Tests for Variable-Area Photo-graphic Audio Tracks

RP 105:2003 (Stabilized 2016) Method for Determining the Degree of Jump and Weave in 70-, 35- and 16-mm Motion-Picture Projected Images

RP 106:1994 Film Tension in 35-mm Motion-Picture Systems Operating Under 0.9 m/s (180 ft / min) (R2007)

RP 107:1995 (Archived 2010) Video and Audio Reference Tape for 1-in Type B Helical-Scan Format

RP 109:1994 (Archived 2004) Spectral Response of Photo-graphic Audio Reproducers for 8-mm Type S Motion-Picture Film

RP 110:1992 (Archived 2002) Specifications for an Alignment Test Film for Anamorphic Attachments to 35-mm Motion-Picture Projectors

RP 111:1999 (Stabilized 2015) Dimensions for 70-, 65- and 35-mm Motion-Picture Film Splices

RP 113:1996 (Archived 2003) Supervisory Protocol for Digital Control Interface

RP 114:1994 (Archived 2004) Dimensions of Photographic Control and Data Record on 16-mm Motion-Picture Film

RP 115:1997 (Stabilized 2015) Dimensions of Photographic Control and Data Record on 35-mm Motion-Picture Release Prints

RP 116:2000 (Stabilized 2015) Dimensions of Photographic Control and Data Record on 35-mm Motion-Picture Camera Negatives

RP 120:2005 (Stabilized 2015) Measurement of Intermodulation Distortion in Motion-Picture Audio Systems

RP 121:1997 (Archived 2010) Tape Dropout Specifications for 1-in Types B and C Video Tape Recorders / Reproducers

RP 122:1993 (Stabilized 2015) Dimensions of Cemented Splices on 8-mm Type S Motion-Picture Film, Projection Type

RP 123:2004 (Stabilized 2015) Dimensions of Tape Splices on 8-mm Type S Motion-Picture Film, Projection Type

RP 124:1998 (Stabilized 2017) Insertion Pivot for Studio Lighting Units and Mating Holders for Use with Standing and Hanging Support Systems (R2005)

RP 127:2004 (Stabilized 2016) Specifications for Type U Audio Level and Multifrequency Test Film for 35-mm Studio Audio Reproducers, Magnetic Full-Coat Type (R2009)

RP 128:2002 (Stabilized 2015) Specifications for Audio Level and Multifrequency Test Film for 70-mm Striped Six-Track Release Print Audio Reproducers, Magnetic Type

RP 129:1995 (Stabilized 2015) Requirements for 35-, 16- and 8-mm Type S Tape Splices on Magnetic Audio Recording Motion-Picture Film

RP 130:2004 (Archived 2009) Dimensions of Tape Splices on 16-mm and 8-mm Type R Motion-Picture Film, Projection Type

RP 131:2002 (Stabilized 2015) Storage of Motion-Picture Films

RP 132:1994 (Archived 2004) Storage of Edit Decision Lists on 8-in Flexible Diskette Media

RP 133:1991 (Archived 2010) Specifications for Medical Diagnostic Imaging Test Pattern for Television Monitors and Hard-Copy Recording Cameras

RP 134:1994 Polarity for Analog Audio Magnetic Recording and Reproduction (R2009)

RP 135:2004 (Archived 2009) Use of Binary User Groups in Motion-Picture Time and Control Codes

RP 136:2004 (Archived 2009) Time and Control Codes for 24, 25 or 30 Frame-Per-Second Motion-Picture Systems

RP 138:1996 (Archived 2003) Control Message Architecture for Digital Control Interface

RP 139:1997 (Archived 2003) Tributary Interconnection for Digital Control Interface

RP 140:2005 (Stabilized 2016) Position of Analog Photographic Audio Record for Routine Test Signals (R2010)

RP 141:2005 Background Acoustic Noise Levels in Theaters and Review Rooms (R2010)

RP 142:2004 (Archived 2010) Stereo Audio Track Allocations and Identification of Noise Reduction for Video Tape Recording

RP 143:2004 (Archived 2009) Specifications for Type U Audio Level and Multifrequency Test Film for 35-mm Striped Four-Track Release Print Audio Reproducers, Magnetic Type

RP 144:1999 (Archived 2004) Basic System and Transport Geometry Parameters for 1/2-in Type L Format

RP 145:2004 SMPTE C Color Monitor Colorimetry

RP 148:1987 Relative Polarity of Stereo Audio Signals (R2004)

RP 149:1992 (Stabilized 2015) Dimensions of Transverse Cemented Splices on 16-mm and 8-mm Type R Motion-Picture Film

RP 150:2000 (Archived 2005) Channel Assignments and Test Leader for Magnetic Film Masters Intended for Transfer to Video Media Having Stereo Audio

RP 151:1999 (Stabilized 2015) Lubrication of 35-mm Motion-Picture Prints for Projection

RP 152:1994 (Stabilized 2015) Edge Identification of Leader and Picture for 35-mm Release Prints

RP 153:1999 Method for Measuring 35- and 70-mm Shutter Efficiency (R2007)

RP 155:2014 Reference Levels for Analog and Digital Audio Systems

RP 156:1999 (Archived 2004) Bar Code Labeling for Type D-1 Component and Type D-2 Composite Cassette Identification

RP 157:2012 Key and Alpha Signals (R2016)

RP 158:1999 (Archived 2004) Basic System and Transport Geometry Parameters for 1/2-in Type M-2 Format

RP 160:1997 Three-Channel Parallel Analog Component High-Definition Video Interface

RP 161:1999 (Archived 2006) Logic Design for Decoding Digital Audio Control Words in D-1 Helical Data and Control Records

RP 162:1993 (Archived 2008) Storage of Edit Decision Lists on 3-1/2 in Disks

RP 163:1992 (Archived 2003) Television – System Service Messages

RP 165:1994 (Archived 2008) Error Detection Checkwords and Status Flags for Use in Bit-Serial Digital Interfaces for Television

RP 166:1995 (Archived 2004) Critical Viewing Conditions for Evaluation of Color Television Pictures

RP 167:1995 (Archived 2004) Alignment of NTSC Color Picture Monitors

RP 168:2009 Definition of Vertical Interval Switching Point for Synchronous Video Switching

RP 169:1995 (Archived 2011) Television, Audio and Film Time and Control Code – Auxiliary Time Address Data in Binary Groups – Dialect Specification of Directory Index Locations

RP 170:1993 (Archived 2003) Video Tape Recorder Type-Specific Messages for Digital Control Interface

RP 171:1993 (Archived 2003) Type-Specific Messages for Digital Control Interface of Analog Audio Tape Recorders

RP 172:1993 (Archived 2003) Common Messages for Digital Control Interface

RP 173:2002 Loudspeaker Placements for Audio Monitoring in High-Definition Electronic Production
PLEASE NOTE: WITHDRAWN 2011. This document is available for historical purposes only.

RP 174:1993 Bit-Parallel Digital Interface for 4:4:4:4 Component Video Signal (Single Link)

RP 175:1997 (Archived 2008) Digital Interface for 4:4:4:4 Component Video Signals (Dual Link)
PLEASE NOTE: WITHDRAWN 2014. This document is available for historical purposes only

RP 176:1997 (Archived 2010) Derivation of Reference Signals for Television Camera Color Evaluation (R2003)

RP 177:1993 (Archived 2010) Derivation of Basic Television Color Equations (R2002)

RP 178:2004 Serial Digital Interface Checkfield for 10-Bit 4:2:2 Component and 4fsc Composite Digital Signals

RP 179:2002 (Archived 2011) Dialect Specification of Page-Line Directory Index for Television, Audio and Film Time and Control Code for Video-Assisted Film Editing

RP 180:1999 (Archived 2006) Spectral Conditions Defining Printing Density in Motion-Picture Negative and Intermediate Films

RP 181:1999 (Archived 2004) Audio Sector Time Code and Equipment-Type Information for 19-mm Type D-1 Digital Component

RP 182:1995 (Archived 2003) List of Virtual Machine Numbers for EBus and ESlan Systems

RP 183:2004 (Archived 2010) Monitoring and Diagnostics Processors

RP 184:2015 Specification of Jitter in Bit-Serial Digital Systems

RP 185:2004 (Stabilized 2016) Classification of Projection Depth of Focus

RP 186:2008 Video Index Information Coding for 525- and 625-Line Television Systems

RP 187:1995 Center, Aspect Ratio and Blanking of Video Images

RP 189:1996 Organization of DPX Files on TAR Tapes
PLEASE NOTE: WITHDRAWN 2011. This document is available for historical purposes only

RP 190:1996 (Stabilized 2012) Care and Preservation of Audio Magnetic Recordings

RP 191:1996 (Archived 2003) Routing Switcher Type-Specific Messages for Remote Control of Broadcast Equipment

RP 192:2015 Jitter Measurement Procedures in Bit-Serial Digital Interfaces

RP 194:2004 (Stabilized 2015) Film Negative Cutter's Conform List

RP 195:2004 (Stabilized 2015) Use of the Reference Mark in Manufacturer-Printed Latent Image Key Numbers for Unambiguous Film Frame Identification

RP 197:2003 (Archived 2009) Film-to-Video Transfer List

RP 198:1998 Bit-Serial Digital Checkfield for Use in High-Definition Interfaces

RP 199:2004 Mapping of Pictures in Wide-Screen (16:9) Scanning Structure to Retain Original Aspect Ratio of the Work

RP 200:2012 Relative and Absolute Sound Pressure Levels for Motion-Picture Multichannel Sound Systems – Applicable for Analog Photographic Film Audio, Digital Photographic Film Audio and D-Cinema

RP 201:2008 Encoding Film Transfer Information Using Vertical Interval Time Code

RP 202:2008 Video Alignment for Compression Coding

RP 203:2000 (Archived 2006) Real-Time Opportunistic Data Flow Control in an MPEG-2 Transport Emission Multiplex

RP 204:2000 SDTI-CP MPEG Decoder Templates

RP 205:2014 Application of Unique Material Identifiers in Production and Broadcast Environments

RP 206:1999 (Archived 2005) Opportunistic Data Flow Control Using Ethernet as a Control Channel in an MPEG-2 Transport Emissions Multiplex

RP 207:2005 Transport of Program Description Data in Vertical Ancillary Data Packets

RP 208:2002 (Archived 2004) Transport of VBI Packet Data in Ancillary Data Packets

RP 209:2000 (Archived 2006) Format for Transmission of HD-D5 Compressed Video and Audio Data over 360 Mb/s Serial Digital Interface

RP 210v13:2012 Metadata Element Dictionary

RP 211:2000 (Archived 2006) Implementation of 24P, 25P and 30P Segmented Frames for 1920 x 1080 Production Format

RP 212:2002 Ancillary Data Mapping over MPEG-2 Video Elementary Stream Editing Information

RP 213:2001 (Archived 2006) MPEG-2 Operating Ranges

RP 214:2002 (Archived 2007) Packing KLV Encoded Metadata and Data Essence into SMPTE 291M Ancillary Data Packets

RP 215:2009 Vertical Ancillary Data Mapping of Film Transfer and Video Production Information

RP 216:2002 (Stabilized 2015) Specifications for 3-Perforation Test and Alignment Film for 35-mm Motion Pictures

RP 217:2001 (Archived 2007) Nonsynchronized Mapping of KLV Packets into MPEG-2 Systems Streams

RP 218:2009 Specifications for Safe Action and Safe Title Areas for Television Systems

RP 219-1:2014 High-Definition, Standard-Definition Compatible Color Bar Signal (R2016)

RP 219-2:2016 Ultra High-Definition, 2048 x 1080 and 4096 x 2160 Compatible Color Bar Signal

RP 220:2004 PAL/SECAM IP and Trigger Binding to VBI

RP 221:2008 Specifications for Extraction of 4x3 Areas from Digital 16x9 Images for Television Systems

RP 222:2003 Standard Definition Evaluation Masters for Digital Television

RP 223:2003 Packing UMID and Program Identification Label Data into SMPTE 291M Ancillary Data Packets

RP 224v12:2012 SMPTE Labels Register

RP 225:2005 Registered Private Information in KLV

RP 227:2010 VC-1 Bitstream Transport Encodings (R2016)

RP 228:2008 VC-1 Decoder and Bitstream Conformance

[**RP 291:2009** NOT AVAILABLE. Content now revised and republished as ST 291-2010]

RP 291-2:2013 Ancillary Data Space Use – 4:2:2 SDTV and HDTV Component Systems and 4:2:2 2048 x 1080 Production Image Formats

RP 428-4:2010 D-Cinema Distribution Master – Audio File Format and Delivery Constraints

RP 428-5:2010 D-Cinema Distribution Master – Mapping of Images into Constrained Tag Image File

RP 428-6:2009 D-Cinema Distribution Master – Digital Leader

RP 431-2:2011 D-Cinema Quality – Reference Projector and Environment

RP 2002:2006 Content Specification on Solid State Media Card for DV/DV-Based Essence

RP 2005:2008 Requirements for Equipment Compatibility with Non-PCM AES3 Streams

RP 2006:2006 Solid State Media (SSM) Card Specification

RP 2007:2007 Closed-Caption CDP and "Grand Alliance" Serial Interfaces for DTV

RP 2019-2:2016 VC-3 Decoder and Bitstream Conformance

RP 2021-5:2013 Using Ad-ID and EIDR as Alternate Identifiers in SMPTE BXF and ATSC PMCP

RP 2021-6:2017 BXF SDK Documentation

RP 2021-9:2015 Implementing Broadcast Exchange Format (BXF)

RP 2025:2007 VC-1 Bitstream Storage in the ISO Base Media File

RP 2027:2012 AVC Intra-Frame Coding Specification for SSM Card Applications

RP 2042-3:2010 VC-2 Conformance Specification

RP 2046-2:2009 Television – Safe Areas for Protection of Alternate Aspect Ratios

RP 2047-1:2009 VC-2 Mezzanine Level Compression of 1080P High Definition Video Sources

RP 2047-3:2016 VC-2 Level 65 Compression of High Definition Video Sources for Use with a Standard Definition Infrastructure

RP 2047-5:2017 VC-2 Level 66 Compression of Ultra-high Definition Video Sources for use with a High Definition Infrastructure

RP 2050-1:2012 4:2:2 / 4:2:0 Format Conversion Minimizing Color Difference Signal Degradation in Concatenated Operations – Filtering

RP 2052-10:2013 Conversion from CEA-608 Data to SMPTE-TT

RP 2052-11:2013 Conversion from CEA-708 Caption Data to SMPTE-TT

RP 2054:2010 VC-2 Method of Measurement of Perceived Loudness of Short Duration Motion Picture Audio Material

RP 2057:2011 Text-Based Metadata Carriage in MXF

Amendment 1:2013 to SMPTE RP 2057:2011

RP 2058-2:2011 VC-4 Decoder and Bitstream Conformance

RP 2058-3:2011 VC-4 Bitstream Transport Encodings

RP 2058-4:2011 VC-4 Bitstream Storage in the ISO Base Media File Format

RP 2072:2014 Emphasis and Preferred Sampling Rate for AES/EBU Digital Audio in Television

RP 2073-2:2017 VC-5 Video Essence – Part 2: Conformance Specification

RP 2076-1:2016 Production Timing and Synchronization for Stereoscopic (S3D) or Multi-Camera Array

RP 2077:2013 Full-Range Image Mapping (R2016)

RP 2079:2017 Digital Object Identifier (DOI) Name and Entertainment ID Registry (EIDR) Identifier

RP 2080-2:2014 Measurement and Calibration Procedure for HDTV Display Luminance Levels and Chromaticity (R2016)

RP 2089:2014 Carriage of EIDR Identifiers in MXF Files

RP 2092-1:2015 Advertising Digital Identifier (Ad-ID®) - Representations

Amendment 1:2017 to RP 2092-1:2015

RP 2096-1:2017 Cinema Sound System Baseline Setup and Calibration

RP 2096-2:2017 Cinema Sound System Maintenance Calibration

ENGINEERING GUIDELINES

EG 1:1990 (Archived 2004) Alignment Color Bar Test Signal for Television Picture Monitors

EG 2:1999 (Stabilized 2015) Edge Identification of Motion-Picture Raw Stock Containers (R2009)

EG 3:1994 Projection for Technical Conferences

EG 5:2003 (Stabilized 2017) Projected Image Quality of 70-, 35- and 16-mm Motion-Picture Projection Systems

EG 7:1994 (Archived 2004) Audio Sync Pulse for 8-mm Type S Cameras, Magnetic Audio Recorders and Rerecording Projectors

EG 8:1993 (Archived 2004) Specifications for Motion-Picture Camera Equipment Used in Space Environment

EG 9:2005 Audio Recording Reference Level for Post-Production of Motion-Picture Related Materials

EG 10:2003 (Archived 2010) Tape Transport Geometry Parameters for 19-mm Type D-1 Television Digital Component Recording

EG 12:1994 (Stabilized 2015) Control of Basic Parameters in the Manufacture of SMPTE Photographic and Magnetic Audio Test Films

EG 13:2012 (Stabilized 2017) Use of Audio Magnetic Test Films

EG 14:2005 Artificial Acoustical Background Noise in Dubbing Stages (R2016)

EG 15:2005 (Archived 2010) Level for Analog Recording of Dialog in Motion-Picture Production

EG 16:2014 Measurement Methods for Film and Digital Motion-Picture Camera Acoustical Noise – Field Method

EG 17:2002 (Archived 2009) B-Chain Electroacoustical Response for Preparing Magnetic Masters for Transfer to 16-mm or 35/32-mm Monaural Photographic Film

EG 20:1997 (Archived 2010) Tape Transport Geometry Parameters for 19-mm Type D-2 Composite Format for Television Digital Recording

EG 21:1997 Nomenclature for Television Digital Recording of 19-mm Type D-1 Component and Type D-2 Composite Formats

EG 22:1997 Description and Index of Documents for 19-mm Type D-2 Composite Television Digital Recording

EG 23:2005 (Archived 2010) Transfer of Two-Channel Stereo Audio from Audio Magnetic Film or Tape to Video Tape

EG 24:1995 (Archived 2004) Video and Audio Alignment Tapes and Procedures for 1-in Type C Helical-Scan Television Analog Recorders

EG 25:2003 (Archived 2009) Telecine Scanning for Film Transfer to Television

EG 27:2004 (Archived 2010) Supplemental Information for ANSI/SMPTE 170M and Background on the Development of NTSC Color Standards

EG 28:1993 (Archived 2004) Annotated Glossary of Essential Terms for Electronic Production

EG 29:1993 (Archived 2003) Remote Control of Television Equipment

EG 30:1995 (Archived 2003) Implementation of ESlan Standards

EG 31:1995 (Archived 2004) Considerations for Cassette Bar Code Readers

EG 32:1996 Emphasis of AES/EBU Audio in Television Systems and Preferred Audio Sampling Rate

EG 33:2004 Jitter Characteristics and Measurements

EG 34:2004 Pathological Conditions in Serial Digital Video Systems

EG 35:2012 Time and Control Code Time Address Clock Precision for Television, Audio and Film

EG 36:2000 (Archived 2010) Transformations Between Television Component Color Signals

EG 37:2001 Node Structure for the SMPTE Metadata Dictionary
PLEASE NOTE: WITHDRAWN 2011. This document is available for historical purposes only.

EG 38:2001 (Archived 2006) MPEG-2 Operating Range Applications

EG 39:2003 (Archived 2010) Overview of Declarative Data Essence

EG 40:2016 Conversion of Time Values Between SMPTE ST 12-1 Time Code, MPEG-2 PCR Time Base and Absolute Time

EG 42:2015 Material Exchange Format (MXF) – MXF Descriptive Metadata

EG 43:2009 System Implementation of CEA-708 and CEA-608 Closed Captioning and Program-Related Data

EG 44:2005 Care, Storage, Operation, Handling and Shipping of Magnetic Recording Tape for Television

EG 377-3:2013 Material Exchange Format (MXF) – Engineering Guideline

EG 432-1:2010 Digital Source Processing – Color Processing for D-Cinema

EG 432-2:2006 Digital Source Processing – D-Cinema Low Frequency Effects (LFE) Channel Audio Characteristics

EG 2021-3:2017 Broadcast Exchange Format (BXF) – Use Cases

EG 2021-4:2017 Broadcast Exchange Format (BXF) – Schema Documentation

EG 2032-4:2007 Media Dispatch Protocol (MDP) – Engineering Guideline

EG 2039:2008 Inspection and Cleaning Processes for the 304M Hybrid Connector

EG 2046-3:2010 Safe Areas for Television

EG 2050-2:2012 4:2:2 / 4:2:0 Format Conversion Minimizing Color Difference Signal Degradation in Concatenated Operations – Application

EG 2059-10:2016 Introduction to the New Synchronization System

EG 2061:2016 Stereoscopic Distribution Master - Glossary

EG 2069:2012 Guide to SMPTE ST 297 Optical SDI Networks

EG 2074:2013 SMPTE Metadata Naming Guidelines

EG 2076-2:2016 Image Identification, Alignment, Transport and System Guidance for Stereoscopic (S3D) or Multi-Camera Array

REGISTERED DISCLOSURE DOCUMENTS

- RDD 1:2003** DDRMON-MIB-1 – A Digital Disk Recorder Simple Network Management Protocol Management Information Base
- RDD 2:2007** Use of Logarithmic Non-Linear Transfer Characteristic for Transmission of Linear Signals through Limited-Bit-Depth Image Representations and Interfaces
- RDD 3:2008** e-VTR MXF Interoperability Specification
- RDD 4:2005** Pro-AV MIB-1 – A Professional Audio/Visual Product Simple Network Management Protocol Management Information Base
- RDD 5:2006** Film Grain Technology – Specifications for H.264 / MPEG-4 AVC Bitstreams
- RDD 6:2008** Television – Description and Guide to the Use of the Dolby E Audio Metadata Serial Bitstream
- RDD 8:2008** Storage and Distribution of Teletext Subtitles and VBI Data for High-Definition
- RDD 9:2013** MXF Interoperability Specification of Sony MPEG Long GOP Products
- RDD 10:2006** An Open Transport and Navigational Specification, Optionally Supporting Multiple Conditional Access Systems
- RDD 11:2007** Bitstream Syntax and Semantics for Carriage of HDSI Ancillary Data in an MPEG-2 Transport System
- RDD 14:2010** General Exchange Format-2
- RDD 15:2007** Software Scripting Language for Pixel-Based Color
- RDD 16:2008** Television – Broadcast Cameras – Hybrid Electrical and Fiber-Optic Ball-Lock Connector Type
- RDD 17:2009** Television – Advertising Digital Identification (Ad-ID)
- RDD 18:2012** Acquisition Metadata Sets for Video Camera Parameters
- RDD 19:2011** Television – Guidelines on the Use of the Dolby® E with Video Signals at Frame Rates Greater than 30 Hz
- RDD 20:2010** Cinelink 2 Specification
- RDD 22:2012** Film Transfer – 2048x1556 Image Container and Signal Interface
- RDD 24:2013** Specification of the FIMS Media SOA Framework
- RDD 25:2014** AVC MXF Proxies
- RDD 26:2015** MXF OP-1b Specification for AVC with Chunk Audio
- RDD 28:2014** Dolby Atmos® Print Master File Specification
- RDD 29:2014** Dolby Atmos® Bitstream Specification
- RDD 30:2014** ARRIRAW Image File Structure and Interpretation Supporting Deferred Demosaicing to a Logarithmic Encoding
- RDD 31:2014** Deferred Demosaicing of an ARRIRAW Image File to a Wide-Gamut Logarithmic Encoding
- RDD 32:2017** XAVC™ MXF Mapping and Operating Points
- RDD 33:2015** Format for Non-PCM Audio and Data in AES3 -- Dolby® Data Type
- RDD 34:2015** LLVC – Low Latency Video Codec for Network Transfer
- RDD 35:2016** TICO Lightweight Codec Used in IP Networked or in SDI Infrastructures
- RDD 36:2015** Apple Pro-Res Bitstream Syntax and Decoding Process
- RDD 37:2016** Uncompressed Video Transport Over MPEG-2 Transport Stream
- RDD 38:2016** Networked Device Control Protocol – Message Data Structure and Method of Communication
- RDD 39:2016** MXF OP-1a Interoperability Specification for AVC-ULTRA
- RDD 40:2016** Essence-independent IP Live Networked Media Transport
- RDD 41:2016** MDA D-Cinema Application
- RDD 42:2016** MDA Program Specification
- RDD 43:2016** MDA Bitstream Specification
- RDD 44:2017** Material Exchange Format – Mapping and Application for Apple ProRes

Amendment 1:2017 to SMPTE RDD 44:2017

RDD 45:2017 Interoperable Exchange Format – Application ProRes