



# SMPTE 2024 Review:

## A Year of Growth, Innovation, and Expanded Opportunities

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**2024** has been a colossal year for SMPTE, with increases in membership, Standards downloads, and educational opportunities. As the year ends, we'd like to take this opportunity to share some of our accomplishments with our members, as well as our hopes for the future of this organization.

### Membership

SMPTE members are the backbone of the organization, and we appreciate everything they do. This year, SMPTE expanded its membership outreach and courted more than 20 new corporate members and over 800 new individual members between January and August. SMPTE plans to continue these efforts in 2025 and looks forward to bringing more brilliant media tech experts.

### Standards

This year, SMPTE made its entire Standards library available with a SMPTE membership. That means SMPTE

members can download any SMPTE Standard at their leisure at no additional cost. This has led to a dramatic increase in Standards downloads—6,169 from January to August. That's an average of 771 Standards a month, putting SMPTE on track to have more than 10,000 downloaded by the end of the year!

#### *The Top 10 Most Downloaded Standards:*

- ST 2110-10: System Timing and Definitions
- ST 2110: Professional Media Over Managed IP Networks
- ST 2110-20: Uncompressed Active Video
- ST 2110-22: Constant Bit-Rate Compressed Video
- ST 12: SMPTE Time and Control Code
- ST 2110-40: SMPTE ST 291-1 Ancillary Data
- ST 2110-30: Professional Media Over Managed IP Networks: PCM Digital Audio
- ST 2110-43: Timed Text Markup Language for Captions and Subtitles
- ST 2110-21: Traffic Shaping and Delivery Timing for Video
- ST 2110-31: AES3 Transparent Transport

Note that every Standard on the list is part of the SMPTE ST 2110 family, except for the SMPTE Time Codes. The Time Codes are over 50 years old and still in high demand, proving that the resilience of the SMPTE Standard is greater than ever.

In addition to increased downloads, SMPTE has released 3 new Standards, 17 revisions, and 2 Amendments.

*New SMPTE Standards:*

- ST 2067-70: Interoperable Master Format – Application SMPTE ST 2019-1 (VC-3)
- ST 2110-41: Professional Media over Managed IP Networks - Fast Metadata Framework
- ST 2127-2: Mapping MGA Audio Metadata to ST 2110-41

*Revised SMPTE Standards:*

- ST 429-10: D-Cinema Packaging –Stereoscopic Picture Track File
- ST 429-14: D-Cinema Packaging – Aux Data Track File
- ST 429-18: D-Cinema Packaging –Immersive Audio Track File
- ST 429-19: D-Cinema Packaging – DCP Operational Constraints for Immersive Audio
- ST 429-2: D-Cinema Packaging – DCP Operational Constraints
- ST 429-3: D-Cinema Packaging – Sound and Picture Track File
- ST 429-4: D-Cinema Packaging – MXF JPEG 2000 Application
- ST 429-5: D-Cinema Packaging – TimedText Track File
- ST 429-6: D-Cinema Packaging – Track File Encryption
- ST 430-12: D-Cinema Operations – FSK Synchronization Signal
- ST 430-1: D-Cinema Operations – Key Delivery Message
- ST 430-5: D-Cinema Operations – Security Log Event Class and Constraints
- ST 2021-4: Broadcast Exchange Format (BXF) Schema Documentation
- ST 2081-1: 6 Gb/s Signal/Data Serial Interface – Electrical
- ST 2082-1: 12 Gb/s Signal/Data Serial Interface – Electrical
- ST 2095-1: Calibration Reference Wideband Digital Pink Noise Signal
- ST 2123: SMPTE Metadata Registers

*Standard Amendments:*

- ST 331: Elements and Metadata Definitions for the SDTI-CP – Amendment 1
- ST 2019-4: Mapping VC-3 Coding Units into the MXF Generic Container – Amendment 1

The SMPTE Standards community strives to create

## THIS YEAR, SMPTE MADE ITS ENTIRE STANDARDS LIBRARY AVAILABLE WITH MEMBERSHIP.

a more interoperable world. This year, the community came much closer to achieving that goal.

### Education

SMPTE's educational opportunities have expanded in 2024 and have been utilized by many of our members and those outside the SMPTE community. From January to August, there were 1,650 registrations, and more than 218 people have taken instructor-led courses. The top-selling courses for SMPTE this year were:

- Understanding SMPTE ST 2110
- Essentials of IP Media
- High Dynamic Range
- Essentials of Video and Audio Compression
- Media in the Cloud

The biggest change to SMPTE Education this year was the inclusion of the IP Networking bootcamp with a specialized focus on SMPTE ST 2110. This intensive course, offered in the summer and winter, was extremely well attended and regarded. We look forward to offering it again in the future.

### Motion Imaging Journal

The *SMPTE Motion Imaging Journal* continued to be an excellent source of education, SMPTE news, and much more. The *Journal* introduced Member Spotlights this year, highlighting SMPTE members who have achieved outstanding accomplishments in their field. The *Journal* also won two design awards!

### Conclusion

2024 was a stellar year for SMPTE, with growth in all areas of the organization. Though it's been a tough year for the media industry, the experts and innovators who keep the gears turning made sure the industry ended on a high note. SMPTE is in a great position going into 2025 and looks forward to continued success.

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