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S T A N D A R D S

Digital Video Subcommittee

AMERICAN NATIONAL STANDARD

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Stereoscopic 3D PSI Signaling

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1.0 SCOPE

This document defines the transport and signaling for high-definition frame-compatible stereoscopic 3D content for distribution on cable television systems. Transport parameters and constraints defined by this specification can be applied to different content types, including broadcast programming, switched digital video (SDV), VOD content, and advertising content to be inserted into broadcast or VOD content.

This document defines only the specific parameters relevant to high-definition frame-compatible S3D content beyond what are already required and specified elsewhere for flat (2D) video content and signaling. Frame compatible S3D programming will otherwise follow all standardized encoding, transport, and signaling practices except where specifically identified in this document. This document does not define a complete distribution method nor does it define all aspects of the cable system infrastructure that content encounters during distribution and playback.

2.0 NORMATIVE REFERENCES

The following documents contain provisions, which, through reference in this text, constitute provisions of this standard. At the time of subcommittee approval, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

2.1 SCTE References

[SCTE 43]	ANSI/SCTE 43 2015, Digital Video Systems Characteristics Standard for Cable Television
[SCTE 54]	ANSI/SCTE 54 2015, Digital Video Service Multiplex and Transport System Standard for Cable Television
[SCTE 128-1]	ANSI/SCTE 128-1 2018, AVC Video Constraints for Cable Television Part 1: Coding
[SCTE 128-2]	ANSI/SCTE 128-2 2018, AVC Video Constraints for Cable Television Part 1: Transport
[SCTE 187-1]	SCTE-187-1 201x Stereoscopic 3D Formatting and Coding for Cable

2.2 Standards from other Organizations

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|---------------|--|
| [IEC 13818-1] | ISO/IEC 13818-1:2018, International Standard, Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Systems |
| [IEC 13818-2] | ISO/IEC 13818-2:2013 (E), International Standard, Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Video |
| [ITU H.264] | ITU-T Recommendation H.264 (06/2019), Advanced video coding for generic audio visual services |
| [ITU H.265] | ITU-T Recommendation H.265 (06/2019), High efficiency video coding |

3.0 INFORMATIVE REFERENCES

The following documents can provide valuable information to the reader but are not required when complying with this standard.

3.1 SCTE References

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|--------------|---|
| [SCTE 215-1] | ANSI/SCTE 215-1 2018, HEVC Video Constraints for Cable Television Part 1: Coding |
| [SCTE 215-2] | ANSI/SCTE 215-2 2018, HEVC Video Constraints for Cable Television Part 2: Transport |
| [SCTE 187-3] | SCTE 187-3 201x, Informative Guidance for Stereoscopic Video |