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S T A N D A R D S

Digital Video Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 243-3 2017

**Next Generation Audio Carriage Constraints for Cable
Systems: Part 3 –MPEG-H Audio Carriage Constraints**

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1. Scope

This standard is part of a suite documenting carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. This part of the standard, in conjunction with Part 1 [2], defines carriage of MPEG-H Audio in MPEG-2 transport systems and in MPEG DASH.

The descriptors necessary to signal MPEG-H Audio in MPEG-2 transport systems are defined in ISO/IEC 13818-1 [4] and ETSI EN 300 468 [5], and their usage is described in this document.

Multiplexing and transport for cable using MPEG-2 systems are defined in SCTE 54 [8]. Coding constraints for MPEG-H Audio elementary streams are defined in SCTE 242-3 2017 [1].

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of this document. At the time of Subcommittee approval, the editions indicated were valid. All documents are subject to revision; and while parties to any agreement based on this document are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents might not be compatible with the referenced version.

2.1. SCTE References

- [1] SCTE 242-3 2017, Next Generation Audio Coding Constraints for Cable Systems: Part 3 – MPEG-H Audio Coding Constraints
- [2] SCTE 243-1 2017, Next Generation Audio Carriage Constraints for Cable Systems: Part 1 – Common Transport Signaling

2.2. Standards from Other Organizations

- [3] ATSC CS A/342 Audio, Part 1: Audio Common Elements
- [4] ISO/IEC 13818-1:2015, Information technology – Generic coding of moving pictures and associated audio information: Systems, ISO/IEC 13818-1:2015/Amendment 5: Generic coding of moving pictures and associated audio information – Part 1: Systems – Amendment 5
- [5] ETSI DVB BlueBook A038 (2016-10), Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems (EN 300 468)
- [6] ISO/IEC 23008-3:2015: Information technology -- High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio, ISO/IEC 23008-3:2015/Amendment 2: Information technology -- High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 2, ISO/IEC 23008-3:2015/Amendment 3: Information technology -- High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 3
- [7] DASH IF: “Guidelines for Implementation: DASH-IF Interoperability Points for ATSC 3.0, Version 0.90,” DASH Interoperability Forum, August 3, 2016. (work in progress)
<http://dashif.org/wp-content/uploads/2016/08/DASH-IF-IOP-for-ATSC3.0-v0.90.pdf>