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## S T A N D A R D S

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**Digital Video Subcommittee**

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**AMERICAN NATIONAL STANDARD**

**ANSI/SCTE 193-1 2020**

**MPEG-4 AAC Family Audio System – Part 1  
Coding Constraints for Cable Television**

ANSI/SCTE 193-1 2020

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## 1. Introduction

### 1.1. Scope

This document defines the coding constraints on MPEG 4 AAC, HE AAC, and HE AAC v2 (referred to collectively in this document as the “AAC family”) profile audio for cable television. It also discusses MPEG-2 AAC LC profile audio, which is closely related to MPEG-4 AAC profile audio. The carriage of the streams described in this specification is defined in SCTE 193-2 2019 [5]

## 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

- No normative references are applicable.

### 2.2. Standards from Other Organizations

- [1] ISO/IEC 14496-3:2009: Information technology – Coding of audio-visual objects – Part 3: Audio
- [2] ISO/IEC 14496-3:2009/Amendment 4:2013: Information technology – Coding of audio-visual objects – Part 3: Audio, Amendment 4: New levels for AAC profiles
- [3] ISO/IEC 14496-26:2010: Information technology – Coding of audio-visual objects – Part 26: Audio Conformance
- [4] ITU-R Recommendation BS.1770-3 (08/2012): Algorithms to measure audio programme loudness and true-peak audio level

### 2.3. Published Materials

- No normative references are applicable.

## 3. Informative References

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

### 3.1. SCTE References

- [5] SCTE 193-2 2019, MPEG-4 AAC Family Audio System – Part 2: Constraints for Carriage over MPEG-2 Transport