Society of Cable Telecommunications Engineers

ENGINEERING COMMITTEE
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MPEG DASH Reference Architecture for IP-based Cable Services

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1. Scope

This MPEG DASH Reference Architecture document is to serve as informational background to a suite of specifications that define the usage of MPEG DASH in cable networks. It introduces adaptive bit rate streaming as a general service and defines reference architecture in which content processing components, flows of process, use cases and scope definition of each part of other relevant documents are described.

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of the standard. At the time of Subcommittee approval, the editions indicated were valid. All standards are subject to revision; and while parties to any agreement based on this standard 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 may not be compatible with the referenced version.

- None are applicable.

3. Informative References

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

3.1. SCTE References

[1] SCTE 223 2017, Adaptive Transport Stream Standard
[2] ANSI/SCTE 214-1, MPEG DASH for IP-Based Cable Services Part 1: MPD Constraints and Extensions
[3] ANSI/SCTE 214-2, MPEG DASH for IP-Based Cable Services Part 2: DASH/TS Profile
[4] ANSI/SCTE 214-3, MPEG DASH for IP-Based Cable Services Part 3: DASH ISO BMFF Profile

3.2. Standards from other Organizations

[5] ISO/IEC 23009-1:2014 2nd Ed., Information technology -- Dynamic adaptive streaming over HTTP (DASH) – Part 1: Media presentation description and segment formats.
[6] ISO/IEC 14496-12:2015, Information technology -- Coding of audio-visual objects -- Part 12: ISO base media file format

3.3. Published Materials

[7] R. Pantos, W. May, HTTP Live Streaming, https://tools.ietf.org/html/draft-pantos-http-live-streaming-18