

CTA Standard

Audio Format Extensions

CTA-861.1

(Formerly CEA-861.1)

August 2010



**Consumer
Technology
Association**

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(Formulated under the cognizance of the CTA **R4.8 DTV Interface Subcommittee.**)

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FOREWORD

This standard was developed under the auspices of the Consumer Electronics Association (CEA) R4.8 DTV Interface Subcommittee.

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Audio Format Extensions

1 Scope

This standard specifies additional Audio Format Code Extension values for Audio InfoFrames and CEA Short Audio Descriptors using previously reserved codes listed in Table 26 of CEA-861-E [1]. This standard also defines additional data fields in the previously defined future bits of Data Byte 3 of CEA Short Audio Descriptors, when the Audio Format Code bit-field in Data Byte 1 is set to 15. Recommendations surrounding audio format extensions are also provided.

The requirements of this standard are in addition to and complement CEA-861-E [1]; all devices compliant with CEA-861.1 shall also comply with CEA-861-E [1] except that this standard deprecates and replaces Table 26 of CEA-861-E.

2 General

2.1 References

2.1.1 Normative References

The following references contain provisions, which, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated below were valid. All documents 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.

2.1.1.1 Normative Reference List

1. CEA-861-E, A DTV Profile for Uncompressed High Speed Digital Interfaces, March 2008
2. ISO/IEC 14496-3:2009, Information Technology – Coding of audio-visual objects – Part 3: Audio
3. ISO/IEC 23003-1:2007 Information technology -- MPEG audio technologies -- Part 1: MPEG Surround with corrigenda 1 (February 2008)
4. IEC 61937-11 Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS
5. IEC 61937-12:2010, DIGITAL AUDIO – INTERFACE FOR NON-LINEAR PCM ENCODED AUDIO BITSTREAMS APPLYING IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats
6. GB/T 22726-2008, Specification for multichannel digital audio coding technology

2.1.1.2 Normative Reference Acquisition Lists

CEA Standards

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IEC Standards

- International Electrotechnical Commission, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland. Telephone +41 22 919 02 11; Telefax +41 22 919 03 00; Web: www.iec.ch; Email: inmail@iec.ch

GB/T Standards

- Standardization Administration of the People's Republic of China (SAC), No.9 Madian Donglu Haidian District Beijing 100088, china; Phone +86 10 8226 2609; Fax +86 10 8226 0684; Internet <http://www.sac.gov.cn/>; E-mail webmaster@sac.gov.cn

2.1.2 Informative References

The following references contain provisions, which, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated below were valid. All