

# **ANSI/CTA Standard**

**Digital Audiobook File Format and  
Player Requirements**

**ANSI/CTA-2003-C R-2013**

**(Formerly ANSI/CEA-2003-C R-2013)**

**February 2007**



**Consumer  
Technology  
Association**

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## **FOREWORD**

This standard was developed under the auspices of the Consumer Electronics Association (CEA) R6 Mobile Electronics Committee.

CD/MP3 information from CEA-2003, CEA-2003-A, and CEA-2003-B are retained. CEA-2003-C is backward compatible with and supersedes CEA-2003, CEA-2003-A, and CEA-2003-B.

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# Digital Audiobook File Format and Player Requirements

## 1 Scope

CEA-2003-C defines requirements and provides recommendations to publishers, software developers, content providers, and hardware manufacturers for the data structure, usability requirements, playback systems and delivery systems for audiobooks in digital file format. It should be noted that throughout CEA-2003-C, the term audiobook is defined as any audio file or collection of audio files of primarily spoken word content that is played in a linear order. Therefore, spoken word audio with occasional music, a narration of newspaper articles, or other similar spoken word audio, would additionally be considered audiobooks under this standard.

## 2 References

### 2.1 Normative References

The following standards contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed in Section 2.1.1.

#### 2.1.1 Normative Reference List

CEA-2004, Audiobook Media and Player Compatibility, December, 2003

ID3 Specifications

ISO 9660:1988, Information processing -- Volume and file structure of CD-ROM for information interchange

ISO/IEC 11172-3:1993, Information technology -- Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s -- Part 3: Audio (MPEG-1 Audio)

ISO/IEC-11578:1996, Information technology -- Open Systems Interconnection -- Remote Procedure Call (RPC), Application Layer

ISO/IEC 14496-3:2002, Information technology -- Coding of audio-visual objects -- Part 3: Audio (MPEG-4 Audio)

ISO/IEC 13818-7:1998, Information technology – Generic coding of moving pictures and associated audio information -- Part 7: Advanced Audio Coding (AAC)

OSTA MPV Audiobook Profile Specification, Version 1.0, September 1, 2003

NOTE-OSTA MPV Audiobook Profile Specification, Version 1.0 is referred to as “OSTA MPV” throughout CEA-2003-C

OSTA MultiAudio Specification, Version 1.10, September 16, 2002

NOTE—OSTA MultiAudio Specification, Version 1.10 is referred to as “OSTA MultiAudio” throughout CEA-2003-C.

MPEG-4 Specifications

OGG VORBIS Specifications

WMA Specifications

WAV Specifications

ATRAC3 Standards

TwinVQ Standards

NOTE—The audio formats listed above are non-inclusive. Additional audio formats may be identified in the future. Any codec or audio format may be utilized for CEA-2003-C compliant audiobooks. Inclusion, or lack thereof, in the above list does not preclude compliance.

### 2.1.2 Normative Reference Acquisition

**CEA:**

Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet: <http://global.ihs.com/>; Email: [global@ihs.com](mailto:global@ihs.com)

**ISO and ISO/IEC:**

Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet: <http://global.ihs.com/>; Email: [global@ihs.com](mailto:global@ihs.com)

**OSTA:**

Optical Storage Technology Association, 19925 Stevens Creek Blvd., Cupertino, CA USA 95014; Phone 408-253-3695; Fax 408-253-9938; Internet: <http://www.osta.org>; Email: [info@osta.org](mailto:info@osta.org)

**OGG VORBIS:**

Xiph.org Foundation, 1408 Adams St. NE, Albuquerque, NM USA 87110; Internet: <http://www.xiph.org>, <http://www.vorbis.com>; Email: [info@xiph.org](mailto:info@xiph.org)

**WMA, WAV:**

Microsoft Corporation, Microsoft Technology Center, 1250 Charleston Road, Mountain View, CA USA 94043; Phone 650-693-8515; Fax 650-693-8557; Internet: <http://www.microsoft.com>; Email: [info@microsoft.com](mailto:info@microsoft.com)

**MPEG-4 Audio:**

Fraunhofer IIS, Am Wolfsmantel 33, 91058 Erlangen, Germany; Phone +49 (0) 91 31/7 76-0, Fax +49 (0) 91 31/7 76-9 99; Internet: <http://www.iis.fraunhofer.de/amm/techinf/mpeg4/audio.html>; Email: [info@iis.fraunhofer.de](mailto:info@iis.fraunhofer.de)

**ATRAC3:**

Sony Corporation of America, 550 Madison Avenue, New York, NY USA 10022; Phone 212-833-6800; Internet: <http://www.sony.net/Products/ATRAC3>; Email: [info@sony.com](mailto:info@sony.com)

**TwinVQ:**

Transform-Domain Weighted Interleave Vector Quantization, Internet: <http://www.twinvq.org>; Email: [info@twinvq.org](mailto:info@twinvq.org)

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**UUID:** *The Open Group – DCE 1.1 Remote Procedure Call (RPC) : Appendix A – Universal Unique Identifier* The Open Group, 44 Montgomery St., Suite 960, San Francisco, CA, 94104-4704; Email: [OGSpecs@opengroup.org](mailto:OGSpecs@opengroup.org); Web: [www.opengroup.org](http://www.opengroup.org)

### 2.2 Informative References

- DAISY Specifications, and DAISY 3, ANSI/NISO Z39.86-2002, Specifications for the Digital Talking Book; Daisy Consortium, <http://www.daisy.org/publications/specifications.asp>