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AMENDMENT 5
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Information technology — MPEG audio technologies —

Part 2: Spatial Audio Object Coding (SAOC)

AMENDMENT 5: SAOC Reference Software

Technologies de l'information — Technologies audio MPEG —

Partie 2: Codage d'objet audio spatial (SAOC)

AMENDEMENT 5: Logiciel de référence SAOC

Reference number
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Amendment 5 to ISO/IEC 23003-2:2010 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

Information technology — MPEG audio technologies —

Part 2:
Spatial Audio Object Coding (SAOC)

AMENDMENT 5: SAOC Reference Software

Page 1, Clause 11

Replace Clause 11 with the following.

11 Reference software

11.1 Reference software structure

11.1.1 General

This clause contains simulation software for SAOC as defined in Clause 1 to Clause 9 and Annex A to Annex G. This software has been derived from verification models used in the process of developing the standard.

Reference software is normative in the sense that it correctly implements the SAOC transcoding/decoding processes described in this document. Complying implementations indicated in this document are not expected to follow the algorithms or the programming techniques used by the reference software. Although the decoding software is considered normative, it cannot add anything to the textual technical description of SAOC included in this document.

The software contained in this clause and in Annex H is divided into three categories.

a) **Bitstream decoding software** is catalogued in 11.2. This software accepts bitstreams encoded according to the normative specification given in this document and decodes the streams into the audio signals associated with each bitstream. While this software appears in the normative part of this specification, attention is drawn to the fact that the implementation techniques used in this software are not considered normative (several different implementations could produce the same result) but the software is considered normative in that it correctly implements the SAOC decoding processes described in this document.

b) **Bitstream encoding software** is catalogued in Annex H. This software creates bitstreams from associated audio signals. The encoders are provided as a means to obtain bitstreams with the normative syntax described in this document. The techniques used for encoding are not specified by this document, and the quality and complexity of these encoders has not been optimized.

c) **Utility software** is catalogued in Annex H. This software was found useful by the developers of the standard, but may not conform to the normative specifications given in this document.

File locations in the source tree given in this document are expressed relative to the location of the corresponding reference software package attached to this document.

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Each source code module in this document contains a copyright disclaimer which shall not be removed from the source code module. The generic version of this disclaimer is provided below.

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11.2 Bitstream decoding software

11.2.1 General

The provided bitstream decoding software is a normative reference implementation of the respective specification.

