Text

Description automatically generatedISO/IEC JTC 1/SC 29/WG 03 N0834

**ISO/IEC JTC 1/SC 29/WG 03  
MPEG Systems   
Convenorship: KATS (Korea, Republic of)**

**Document type:** Output Document

**Title:** Technologies under Consideration for ISO/IEC 14496-14 MP4 file format

**Status:** Approved

**Date of document:** 2023-04-28

**Source:** ISO/IEC JTC 1/SC 29/WG 03

**No. of pages:** 3 (with cover page)

**Email of Convenor:** young.L @ samsung . com

**Committee URL:** <https://isotc.iso.org/livelink/livelink/open/jtc1sc29wg3>

**INTERNATIONAL ORGANIZATION FOR STANDARDIZATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 03 MPEG SYSTEMS**

**ISO/IEC JTC 1/SC 29/WG 03 N0834**

**April 2023, Antalya, TR**

|  |  |
| --- | --- |
| **Title** | **Technologies under Consideration for ISO/IEC 14496-14 MP4 file format** |
| **Source** | **WG 03, MPEG Systems** |
| **Status** | **Approved** |
| **Serial Number** | **22576** |

**Abstract**

This document contains the MIME registration information for the codecs parameter, specific to MP4 codecs. It needs placing into 14496-14 in a suitable place at a suitable time.

### xxx.1 The ‘codecs’ parameter values for MPEG-4 codecs

When the first element of a value is 'mp4a' (indicating some kind of MPEG-4 audio), or 'mp4v' (indicating some kind of MPEG-4 part-2 video), or 'mp4s' (indicating some kind of MPEG-4 Systems streams such as MPEG-4 BInary Format for Scenes (BIFS)), the second element is the hexadecimal representation of the MP4 Registration Authority ObjectTypeIndication (OTI), as specified in [[MP4RA](https://tools.ietf.org/html/rfc6381#ref-MP4RA)] and this specification. Note that [[MP4RA](https://tools.ietf.org/html/rfc6381#ref-MP4RA)] uses a leading "0x" with these values, which is omitted here and hence implied.

One of the OTI values for 'mp4a' is 40 (identifying MPEG-4 audio). For this value, the third element identifies the Audio Object Type (AOT) as defined in [[MP4A](https://tools.ietf.org/html/rfc6381#ref-MP4A)] (including amendments), expressed as a decimal number.

For example, AAC low complexity (AAC-LC) has the AOT value 2, so a complete string for AAC-LC would be "mp4a.40.2".

One of the OTI values for 'mp4v' is 20 (identifying MPEG-4 part-2 video). For this value, the third element identifies the video ProfileLevelIndication as defined in [[MP4V](https://tools.ietf.org/html/rfc6381#ref-MP4V)] (including amendments), expressed as a decimal number.

For example, MPEG-4 Visual Simple Profile Level 0 has the value 8, so a complete string for MPEG-4 Visual Simple Profile Level 0 would be "mp4v.20.8".

XXX.2 Syntax

The syntax defined in Annex K of 14496-12 is extended as follows.

id-iso := iso-gen / iso-mpega / iso-mpegv   
 iso-mpega := mp4a "." oti [ "." aud-oti ]  
 iso-mpegv := mp4v "." oti [ "." vid-pli ]  
 mp4a := %x6d.70.34.61 ; 'mp4a'  
 oti := 2(DIGIT / "A" / "B" / "C" / "D" / "E" / "F")  
 ; leading "0x" omitted  
 aud-oti := 1\*DIGIT  
 mp4v := %x6d.70.34.76 ; 'mp4v'  
 vid-pli := 1\*DIGIT