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

**ISO/IEC JTC 1/SC 29/WG 03 N1275**

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**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