**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC1/SC29/WG11**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC1/SC29/WG11 MPEG2014/M35xxx**

**October 2014, Strasbourg, France**

|  |  |
| --- | --- |
| **Source** | **W3C Timed Text Working Group Chairs** |
| **Status** | **Contribution** |
| **Title** | **DASH codecs parameter for TTML+XML dialects** |
| **Author** | Dave Singer, Nigel Megitt, W3C TTWG Co-Chairs |

This is a response to the liaison request from MPEG N14444 and a follow-up to the email from the W3C TTWG co-chairs of 30-April-2014, <http://lists.w3.org/Archives/Public/public-tt/2014Apr/0025.html>

Clarifying the communication of 30-April, W3C TTWG proposes that the codecs parameter for W3C XML-based (e.g. TTML) tracks be of the form:

codecs=<MPEGPrefix><W3CSuffix>

Where the <MPEGPrefix> string is defined and maintained by MPEG (e.g. “stpp.”), and where <W3CSuffix> is defined and maintained by W3C TTWG.

The W3C TTWG plans to define:

1. a new parameter to the TTML MIME to specify and combine short identifiers for profiles, and
2. a registry for the association between the short identifier and the associated specification of the TTML profile.

Therefore, W3C TTWG proposes <W3CSuffix> as a fully qualified media type string, including parameters, expected to take the form:

application/ttml+xml;processorProfile=*dialect1*…*dialectn*

Where “dialect” is a short name processor profile string from a registry maintained by W3C. The work in process of this registry along with the proposed syntax for a new media type parameter, can be found here: <https://www.w3.org/wiki/TTML/CodecsRegistry>

W3C will maintain the media type and its parameters. Note that the base media type, “application/ttml+xml”, is both defined in the TTML1SE Recommendation and registered with IANA. Its parameters will be extended to include the proposed syntax above.

W3C TTWG believes that the above design will assist ISOBMFF players in identifying the dialect of TTML documents using a succinct and unambiguous syntax; and we look forward to comments and suggestions from MPEG.