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Title   **Liaison to W3C TTWG re: W3C TTWG liaison to SMPTE requesting review of TTML2**

TO: Nigel Megitt <nigel.megitt@bbc.co.uk>, W3C TTWG co-chair
TO: David Singer <singer@apple.com>, W3C TTWG co-chair
TO: Thierry Michel <tmichel@w3.org>, W3C staff contact

Dear W3C TTWG chairs,

SMPTE thanks W3C TTWG for its communication dated 12 July 2017, and for the opportunity to provide feedback.

SMPTE is responsible for the development of the Interoperable Master Format[1] (IMF) family of standards. IMF mandates the use of IMSC1 (Text and Image profile) for all timed text essence, including subtitles and captions. In light of this, and the intended applications of IMF, SMPTE wishes to highlight its support for the following TTML2 features:

  ▪ subtitle and captions as currently deployed in the Japanese market, in general, and ruby annotations in particular;
  ▪ high-dynamic range presentations in general, and `tts:luminanceGain` in particular; and
  ▪ stereoscopic presentations in general, and `tts:disparity` in particular.

SMPTE also respectfully notes that, in light of mandatory regulatory requirements, it is critical that future versions IMSC (and thus TTML2) be designed to minimize changes to existing IMSC1 processors.

Finally, SMPTE encourages TTWG to create a registry that specifies `image/@type` and `image/@format` attribute values for selected image formats. In particular, this mapping should allow a processor to differentiate between HDR and SDR images.

SMPTE looks forward to working with TTWG on advancing the TTML and IMSC family of specifications.

Sincerely,

Alan Lambshead
SMPTE Standards Vice-President

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[1] IMF defines a file-based format for interchange of high-quality component-based audio-visual masters. Initially published in 2013, IMF is now in active use.

Cc: Howard Lukk (SMPTE Director of Engineering & Standards)
Paul Treleaven (SMPTE Liaison Director)
Pierre-Anthony Lemieux (SMPTE TC 35PM Chair)
Michael Dolan (W3C Liaison Officer)