From : Mark Richer, ATSC

To: Nigel Megitt, Chair, W3C Timed Text Working Group, nigel.megitt@bbc.co.uk

CC: Thierry Michel, W3C Team Lead, tmichel@w3.org

Date: August 13, 2015

Dear Mr. Megitt:

ATSC is in the process of drafting new standards for next generation television – “ATSC 3.0”. For closed captions and subtitles, ATSC is proceeding with a proposal to use IMSC1. There are two extensions that may benefit the ATSC 3.0 standard: 3D disparity and wide color gamut.

We understand from the editor’s draft of TTML2 that 3D is being added at [1].

Is there any work to add signaling of color gamut for options other than the current default of sRGB? We respectfully suggest that for the color gamut a single attribute such as ttp:colorGamut=[“sRGB” | “BT709” | “BT2020”….] could be added. The syntax and semantics of tts:color would remain unchanged, however the interpretation by the presentation processor of the RGB values would be affected when compositing with video.

Our preference would be to have both of these features in IMSC1 rather than define extensions in a new ATSC namespace. Would it be possible for these to be added before IMSC1 publishes? If not, is it possible for these to be added to TTML2/IMSC2?

Please let us know your anticipated publication dates for IMSC1, TTML2, IMSC2.

Lastly, we would like to know whether the Timed Text Working Group is or is planning to investigate issues regarding high dynamic range (HDR) content.

ATSC values its relationship with W3C very much and appreciates your consideration of these ideas and questions. We look forward to your response and to ongoing collaborations with W3C.

[1] <https://dvcs.w3.org/hg/ttml/raw-file/default/ttml2/spec/ttml2.html?content-type=text/html;charset=utf-8#style-attribute-disparity>