3GPP TSG SA WG4#115-e meeting TDoc S4-211207

Online, 18th – 27th August 2021

**Title: [Draft] Reply LS regarding alignment on CMAF Media Profiles**

**Response to: S4-211070**

**Release: 17**

**Work Item: 8K\_TV\_5G, FS\_5GVideo**

**Source: 3GPP TSG SA WG4 (SA4)**

**To: CTA WAVE**

**Cc: DVB, ATSC, SCTE DVS, HbbTV, MPEG Systems (ISO/IEC SC29 WG 3)**

**Contact person: Thomas Stockhammer (8K\_TV\_5G and FS\_5GVideo Rapporteur)**

 **tsto@qti.qualcomm.com**

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:**

* [S4-211205](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_115-e/Docs/S4-211205.zip): 8K HEVC Operation Point
* [TR 26.955](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3741): Latest version can be provided here.

# 1 Overall description

3GPP TSG SA WG4 (SA4) would like to thank CTA WAVE for your Liaison regarding alignment on CMAF Media Profiles. As you reported earlier, 3GPP SA4 5G Media Streaming as completed in Rel-16 relies on CMAF streaming formats and references CTA WAVE specifications in 5G Media Streaming in TS 26.511. We highly appreciate CTA WAVE’s efforts on global adaptive delivery interoperability.

In our Rel-17 efforts, expected to be completed by March 2022, 3GPP SA4 has the following ongoing work that may be of particular interest for you:

1. Work Item on “8K Television over 5G”. As reported earlier, the work item asks to communicate with relevant organizations including MPEG, CTA WAVE, DVB, SCTE and ATSC to develop a CMAF profile for 8K HEVC. 3GPP SA4 meanwhile created a draft CR as attached in S4-211205. Before completing the work during SA4#116-e in November 2021, we attempt to study the latest development in MPEG CMAF to align the operation point with the MPEG CMAF media profiles. Any comments from your side are welcome. We also look forward to support CTA WAVE in generating appropriate test and conformance material for this 8K HEVC Media Profiles.
2. Study Item on “5G Video Characterization”. In the context of this work, we analyze the performance of existing 3GPP video codecs in 5G service environments and expect to provide some initial indications whether any new video codecs may provide beneficial upgrades to these services. For the purpose of this work, significant amount of anchor and test material is provided and hosted publicly. The details are documented in TR 26.955. While no normative work is foreseen in Rel-17, the conclusions of this study may result in normative work on new video codecs and media profiles in Rel-18, including aspects on interoperability and conformance for different services. Collaboration with CTA WAVE and other interested parties in global alignment in this area for 3GPP relevant codecs would be most welcome.

We welcome your offering on participating in a meeting of those SDOs whose work directly impacts the interoperability of such Media Profiles, to discuss collaboration on this topic. Unfortunately, we were not able to respond to your invite before the deadline. Should this meeting still be relevant, or for any future collaboration, please contact the above contact and [the officials of SA4](https://www.3gpp.org/DynaReport/TSG-WG--S4--officials.htm?Itemid=456).

We look forward to a fruitful collaboration on common objectives around global adaptive delivery interoperability.

# 2 Actions

**ACTION:**

**To CTA WAVE:**

We kindly ask to

1. Take the above information into account for your future work and provide feedback as appropriate.
2. Inform 3GPP SA4 on any efforts and meetings around global adaptive delivery interoperability.

# 3 Dates of next TSG SA WG 4 meetings

3GPP SA4#116-e 10 – 19 November 2021, e-meeting

3GPP SA4#117 14 – 18 February 2022, Sophia-Antipolis, FR