3GPP TSG SA WG4#113-e meeting TDoc S4-210606

E-meeting, 6 – 14 April 2021

**Title: [DRAFT] LS on CMAF Media Profile for 8K HEVC TV**

**Response to: -**

**Release: 17**

**Work Item: 8K\_TV\_5G**

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

**To: ISO/IEC JTC1 SC29 WG3 (MPEG Systems)**

**Cc: CTA WAVE, DVB TM-AVC, DASH-IF, SCTE, ATSC**

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

**tsto@qti.qualcomm.com**

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

**Attachments:** S4-210660: New Work Item on “8K Television over 5G”

# 1 Overall description

3GPP TSG SA WG4 (SA4) has recently agreed on a new work item on New Work Item on “8K Television over 5G” which requires final approval by SA#92-e plenary in June 2021.

The agreed work item description is attached, including justifications, objectives, timelines and supporting companies. Among others, two objectives state the following:

- Define the relevant ISO BMFF encapsulation, **CMAF media profile** and DASH signaling for the new 8K TV operation point.

- **Communicate with relevant organizations including MPEG, CTA WAVE, DVB, SCTE and ATSC** to develop a CMAF profile for 8K HEVC.

Based on these objectives and in order to be able to meet the Rel-17 timeline in 3GPP, SA4 reaches out to MPEG Systems to develop a CMAF media profile for 8K HEVC TV. We believe that a common agreement on a single 8K TV CMAF media profile based on HEVC is of benefit for different TV-centric standardization organizations such as DVB, SCTE, ATSC and 3GPP.

We encourage MPEG Systems to initiate such work and define a harmonized 8K TV HEVC-based CMAF media profiles based on the requirements from above listed organizations in the 3GPP Rel-17 timeline. We also encourage other interested organizations to share any potential requirements on this matter with MPEG as soon as possible.

We ask MPEG, if an open process could be initiated for interested organizations in the specification development process, for example public AHG calls or joint meetings.

We look forward to a fruitful collaboration on common global 8K TV media profiles among the TV-centric specification development organizations.

# 2 Actions

**ACTION:**

**To MPEG Systems**

We kindly ask to

1. initiate the development of a harmonized 8K TV HEVC-based CMAF media profile based on the requirements from 3GPP and other TV-centric specification development organizations within in the 3GPP Rel-17 timeline (March 2022).
2. initiate an open process for interested organizations in the specification development process, for example public AHG calls or joint meetings

# 3 Dates of next TSG SA WG 4 meetings

3GPP SA4#114-e 19 – 28 May 2021, e-meeting

3GPP SA4#115-e 18 – 27 August 2021, e-meeting