**3GPP TSG-SA4 Meeting # 129e S4-241525**

**Online, 19th - 23rd August 2024**

**Source: Apple Inc.**

**Title: [VOPS] Updates on codec string encoding for L-HEVC**

**Agenda item: 9.5**

**Document for: Agreement**

# 1 Introduction

ISO/IEC JTC 1/SC 29/WG 03 (MPEG Systems) is conducting work on enhancements to codec string signalling for layered HEVC, as is the subject of the LS exchange between 3GPP SA4 and MPEG in context of VOPS work item. The latest of the LS is sent to MPEG is in [1]. The latest reply LS from MPEG is received in [2]. This response includes the following text on the issue of codec string signalling:

"On the codecs string, MPEG Systems appreciates your suggested high- level requirements. MPEG Systems is in the process of defining the required signalling to address new use cases to support MV-HEVC in a consistent manner. WD of ISO/IEC 14496-12 8th edition AMD 2 (WG03N1271) includes the current approach. The envisaged timeline is in line with the definition of the CMAF profile above."

There are two options being considered currently, one of which may be chosen by an application. These are either to use a new string to be used in a new rendering parameter MIME type, or to combine the string with the existing codecs string to form a new string that can be used in the codecs parameter. SA4 should discuss on a high-level which approach is more suited for various services focused by VOPS work. It seems at the outset that the second option has been what has been envisioned for the SA4 work.

# 2 Proposal

It is proposed that SA4 uses the approach of combining the additional needed information from the codec string into an existing codec string to form a new string for streaming applications, specifically the second choice being considered at MPEG.

# References

[1] S4-241361, "Reply LS on MV-HEVC Integration and Media Messaging Application Format, LS out to ISO/IEC JTC 1/SC 29/WG 03 (MPEG Systems)"

[2] S4-241461, "Liaison statement from SC 29/WG 3 to 3GPP SA 4 on MV- HEVC Integration and codec string [SC 29/WG 3 N 1334]"