**3GPP TSG-SA4 Meeting # 129e S4-241625**

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

**Source: Apple Inc.**

**Title: On adding MV-HEVC capabilities for messaging**

**Agenda item: 9.5**

**Document for: Agreement**

# 1 Introduction

The existing video capabilities and operating points for messaging services that are specified in TS 26.143, employ the 3GPP file format. This file format however can be considered as outdated, for example, this file format currently does not support the multiview extensions of HEVC (MV-HEVC), including some of the more recent updates on this topic currently being done in MPEG, and would need to be updated. Hence, the preference would be that this file format is not used to define the operating points for MV-HEVC for messaging services. SA4 should consider suitable alternatives to this, such as referencing specific ISO/IEC 14496-15 or ISO/IEC 14496-12 tools directly. Another alternative would be to consider the ongoing MPEG MeMAF work. However, in that case we would need to consider how the timeline of that work would relate to and impact the VOPS work.

# 2 Proposal

It is proposed that when defining MV-HEVC messaging capabilities for the VOPS work item, instead of using the 3GPP file format, SA4 should consider a suitable alternative. This can for example be to refer directly to specific ISO/IEC 14496-15 (NAL-unit file format) or ISO/IEC 14496-12 (ISO BMFF) specification tools, or by using MPEG MeMAF work.