**3GPP TSG-SA WG4 Meeting #127S4-240180**

**Sophia-Antipolis, France, 29 January - 2 February 2024**

**Agenda item: 9.12**

**Source: Apple Inc., Qualcomm Incorporated, Dolby Germany GmbH, Ateme, Nokia Corporation, Fraunhofer HHI**

**Title: [VOPS] Draft Work Plan**

**Version: 0.0.1**

**Document for Discussion and agreement**

# 1 Introduction

During SA#103 the new work item on “Video Operating Points - Harmonization and Stereo MV-HEVC” was approved in SP-23abcd. This document provides the corresponding work plan.

# 2 Objective

The objectives of work on immersive HEVC profiles and operating points are reproduced here as reference:

The objectives of this work are to:

1. Harmonize and include as needed all the SA4 video operating points, such as Video profiles Operation Points, Video Operation Points, video encode and decode capabilities etc., which are currently scattered in various SA4 specifications (e.g. TS 26.116, TS 26.118, TS 26.119, TS 26.143, and TS 26.511), into a new specification that will be home to all such video operating points and upgrade HEVC-based levels based on industry practices.
2. Define the MV-HEVC capability in this new specification.
3. Then add and harmonize stereoscopic MV-HEVC (potentially with auxiliary information, e.g. alpha channels) encode/decode operating points, capabilities, streaming (e.g. CMAF, DASH) and transport aspects for:
   1. 5G-media streaming profiles, codecs, and formats (TS 26.511)
   2. Media capabilities for AR devices (TS 26.119)
   3. Video messaging media profiles (TS 26.143)
4. Perform the above work in coordination with related SDOs and industrial fora such as MPEG, DASH-IF, CTA-WAVE, and IETF, and by referencing the related specifications, e.g. the Common Media Application Format (CMAF) and the ISO base media file format (ISOBMFF), among others.

# 3 Schedule for Video SWG Telcos

Following video SWG telcos are immenent:

* Add

# 4 Proposed Time and Work Plan

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| Meeting | Work on “Immersive HEVC profiles and operating points” |
| 3GPP SA4#127 (29th Jan – 2nd Feb 2024, Sophia-Antipolis) | Agree work item in S4-23abcd. |
| 3GPP SA4#127-bis-e (8th – 12th April 2024, Online) | Approve work item in SP-23abcd.Initial skeleton new TS 26.xxxInitial CR on new TS 26.xxxIntitial CRs to TS 26.118, TS 26.511Liase to MPEG informing them of the work and inquiring on the work plan on related CMAF/file format work. Liase with other SDOs and industrial fora as needed. |
| 3GPP SA4#128 (20th – 24th May 2024, Korea) | Progressing CR on new TS 26.xxxProgressing CRs to TS 26.118, TS 26.511Intitial CRs to TS 26.143, TS 26.119Liase to MPEG, other SDOs and industrial fora as needed. |
| 3GPP SA4#129-e (19th – 23rd August 2024, Online) | Progressing CR on new TS 26.xxxProgressing CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119Liase to MPEG, other SDOs and industrial fora as needed. |
| 3GPP SA4#130 (18th – 22nd November 2024, Orlando) | Progressing CR on new TS 26.xxxSend new TS 26.xxx for information to SA plenary.Progressing CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119 |
| 3GPP SA4#131 (17th – 21st Feb, 2025, Geneva) | Complete work on TS 26.xxxSend new TS 26.xxx to SA plenary for approval.Complete work on TS 26.118, TS 26.511, TS 26.143, TS 26.119.Liase to MPEG, other SDOs and industrial fora informing on completion of work. |