**3GPP TSG-SA4 Meeting # 129e S4-241528**

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

**Agenda item: 9.5**

**Source: Apple Inc.**

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

**Version: 0.0.7**

**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-240060. This document provides the corresponding up to date 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.

# 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 S4-240464 |
| 3GPP SA#103 (19th – 22nd Mar 2024, Maastricht, NL) | Approved work item in SP-240060. |
| 3GPP SA4#127-bis-e (8th – 12th April 2024, Online) | Initial skeleton new TS 26.265 (New TS)Liaise to MPEG informing them of the work and inquiring on the work plan on related CMAF/file format work. Liaise with other SDOs and industrial fora as needed. |
| 3GPP SA4 Video SWG Telco (May 7, 2024, 22:00 – 24:00 CEST, Host Qualcomm) | Initial pCR on new draft TS 26.265 adding existing video capabilities and operation pointsSubmission Deadline May 6, 18 CEST |
| 3GPP SA4#128 (20th – 24th May 2024, Korea) | Progressing pCR on new draft TS 26.265Liaise to MPEG, other SDOs and industrial fora as needed. |
| 3GPP SA4 Video SWG Telco (June 25th, 2024, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Submission Deadline June 24th, 14:30 CEST |
| 3GPP SA4 Video SWG Telco (July 9th, 2024, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Submission Deadline June 8th, 14:30 CEST |
| 3GPP SA4 Video SWG Telco (July 23rd, 2024, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Submission Deadline July 22nd, 14:30 CEST |
| 3GPP SA4#129-e (19th – 23rd August 2024, Online) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511Endorse CRs to TS 26.143, TS 26.119Progress TS 26.265Liaise to MPEG, other SDOs and industrial fora as needed. |
| 3GPP SA4 Video SWG Telco (Oct 8th, 2024, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511Endorse CRs to TS 26.143, TS 26.119Submission Deadline Oct 7th, 14:30 CEST |
| 3GPP SA4 Video SWG Telco (Oct 22nd, 2024, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511Endorse CRs to TS 26.143, TS 26.119Submission Deadline Oct 21st, 14:30 CEST |
| 3GPP SA4#130 (18th – 22nd November 2024, Orlando) | Progressing pCR on new draft TS 26.265Progress TS 26.265Send new TS 26.265 for information to SA plenary.Endorse CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119 |
| SA#106 (10 – 13 December 2024, Madrid, ES TBC) | Present TS 26.265 v1.0.0 for information |
| 3GPP SA4#131 (17th – 21st Feb, 2025, Geneva, tbc) | Complete work on draft TS 26.265Send new TS 26.265 to SA plenary for approval.Agree CRs on TS 26.118, TS 26.511, TS 26.143, TS 26.119.Liaise to MPEG, other SDOs and industrial fora informing on completion of work. |
| SA#107 (11 – 14 March 2024, tbd, Korea, TBC) | Present TS 26.265 v2.0.0 for approvalPresent CRs TS 26.118, TS 26.511, TS 26.143, TS 26.119 for approval |