**3GPP TSG-SA WG4 Meeting #132S4-250838**

**Japan, Fukuoka, 19 – 23 May 2025**

**Agenda item: 9.5**

**Source: Apple Inc.**

**Title: [VOPS] Work Plan**

**Version: 2.0**

**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 from SA4#131.

# 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

Legend: Black items like this: upcoming work. Grey items like this: past work. Lighter grey items like this: (also ~~crossed out~~) not done, pushed forward/postpend:

|  |  |
| --- | --- |
| Meeting | Work on “Video Operating Points - Harmonization and Stereo MV-HEVC” |
| 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, 15:00 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, 15:00 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 Video SWG Telco (Dec 18th, 2024, 15:00 – 17:00 CET, 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 Dec 17th, 15:00 CET |
| 3GPP SA4 Video SWG Telco (Jan 14th, 2025, 15:00 – 17:00 CET, 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 Jan 13th, 15:00 CET |
| 3GPP SA4#131 (17th – 21st Feb, 2025, Geneva) | Progressing pCR on new draft TS 26.265Send new TS 26.265 to SA plenary for information.Endorse CR on TS 26.511 |
| 3GPP SA4 Video SWG Telco (March 4th, 2025, 15:00 – 17:00 CET, Host Qualcomm) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119Submission Deadline March 3rd 2025, 15:00 CET |
| 3GPP SA4 Video SWG Telco (March 18th, 2025, 15:00 – 17:00 CET, Host Qualcomm) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119Submission Deadline March 17th 2025, 15:00 CET |
| 3GPP SA4 Video SWG Telco (March 25th, 2025, 15:00 – 17:00 CET, Host Qualcomm) | Progressing pCR on new draft TS 26.265Endorse CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119Submission Deadline March 24th, 15:00 CET |
| 3GPP SA4#131-bis-e (11th – 17th April, 2025, Online) | Progress ~~Complete~~ work on draft TS 26.265.Send new TS 26.265 to SA plenary for approval.Agree CRs on TS 26.118, TS 26.511, TS 26.143, TS 26.119.Endorse CR to TS 26.511Liaise to MPEG, other SDOs and industrial fora informing on completion of work. |
| 3GPP SA4 Video SWG Telco (May 6th, 2025, 15:00 – 17:00 CEST, Host Qualcomm) | Progressing pCR on new draft TS 26.265Completion of definitions and terminology for layers, bitstream, random access, CVS, video signalsComplete work on MV-HEVC profiles~~Addition of operating point with alpha~~~~Skeleton framework for conformance, add test streams~~~~Endorse CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119~~Submission Deadline May 5th, 2025, 15:00 CEST |
| 3GPP SA4#132 (19th – 23rd May, 2025, Fukuoka City, Fukuoka) | ~~Complete~~ Progress work on draft TS 26.265Completion of definitions and terminology for layers, bitstream, random access, CVS, video signalsComplete work on MV-HEVC profiles~~Completing~~ Progress operating point with alphaDevelop framework for conformance, add test streams, start a PD on this.~~Send new TS 26.265 to SA plenary for approval.~~~~Agree~~ Endorse CRs on ~~TS 26.118,~~ TS 26.511, TS 26.143~~,~~ ~~TS 26.119~~. |
| 3GPP SA4 Video SWG Telco (June ??th, 2025, 15:00 – 17:00 CEST, Host Qualcomm) | Progress work on draft TS 26.265Complete System operating points, random accessComplete any remaining aspects on AVC operating point, any capabilities needed from TS 26.119, TS 26.511.  * Progress CRs to TS 26.118, TS 26.511, TS 26.143, TS 26.119 * Continue working to develop framework for conformance, add test streams in TS 26.265. * Submission Deadline June ??th, 2025, 15:00 CEST |
| 3GPP SA4#133-e (21st – 25th July, 2025, Online) | Complete work on draft TS 26.265Completion of definitions and terminology for layers, bitstream, random access, CVS, video signalsComplete work on MV-HEVC profilesCompleting operating point with alphaDevelop framework for conformance, add test streamsSend new TS 26.265 to SA plenary for approval.  * Agree CRs on TS 26.118, TS 26.511, TS 26.143, TS 26.119. * Continue working to develop framework for conformance, add test streams in TS 26.265. |
| SA#109 (16th – 19th Sep 2025, Beijing, CN) | Present TS 26.265 v2.0.0 for approval.Present CRs TS 26.118, TS 26.511, TS 26.143, TS 26.119 for approval. |
| 3GPP SA4#134 (17th – 21st November, 2025, Dallas, US) | Complete work on developing framework for conformance, conclude adding test streams in TS 26.265. |