**Source: VIDEO SWG Chairman[[1]](#footnote-1)**

**Title: VIDEO SWG Executive summary from the chair during SA4#132**

*The VIDEO SWG has the responsibility for general 3GPP SA4 video matters.*

*Report available in S4-251153*

*This week*

* *6 slots among the 7 ones initially allocated (1 offline on VOPS, 1 offline on FS\_ARSpatial).*
* *around 40 delegates*
* *review of more than 80 contributions*

*Topics covered*

* *Work item on Video operation points and the support of MV-HEVC (VOPS)*
* *Study on AI/ML for media (FS\_AI4Media)*
* *Study on Beyond 2D formats (FS\_Beyond2D)*
* *Study on spatial computing for AR services (FS\_ARSpatial)*
* *Maintenance on FS\_AVATAR*
* *Disposal of incoming LS*

*On VOPS*

* *Progress on some definitions and the required terminology to describe the video codec capabilities and the operating points.*
* *Agreement to document some AVC bitstream constraints.*
* *Agreement to document multi-component signal parameters useful for the description of stereoscopic content but also in the future if depth and/or alpha maps are included.*
* *In the context of MV-HEVC:*
  + *Discussed some backward compatibility aspects with HEVC decoders in terms of decoding capability.*
  + *Clarified the meaning to support the Multiview Extended 10 profile in the context of stereoscopic video.*
* *The HEVC + Alpha configuration is considered of interest, but more time requested before considering support in the specification.*
* *Very good discussion on the way forward with regards to the production of conformance streams. Consequently*
  + *Creation of a dedicated Permanent document*
  + *Proposal to extend the completion of the Work item until the end of the year (still being part of the Release 19) only to address that purpose.*

*On FS\_AI4Media*

* *On the functional aspects:*
  + *Some refinements made on the definitions and the conclusions inviting for further work including normative aspects.*
  + *Draft TR 26.927 proposed to be sent to SA for approval*
* *On the evaluation aspects:*
  + *Real-time translation scenario included, and conclusions updated.*
  + *Draft TR 26.847 also proposed to be sent for approval to SA.*
* *Agreed an LS to JPEG-AI informing about this activity.*
* *Study completed.*

*On FS\_Beyond 2D*

* *Agreed detailed test conditions on stereoscopic video scenario as well as documenting some external performance results.*
* *Progress on the evaluation of multi view + depth -> invite for crosschecks.*
* *On point clouds, Discussed the constant bitrate mode in which fixed QP would be used to approach the target bitrates.*
* *Checked how and where the evaluation material may be accessed and stored.*
* *Agreed to have a dedicated clause in the Draft TR on AI-generated content.*
* *Draft TR 26.956 is proposed to be sent to SA for information*

*On FS\_ARSpatial*

* *Clarifications made on the RTC architecture and the role of certain interfaces*
* *List of Spatial computing functions now considered complete.*
* *Agreed to document some remote processing scenarios for spatial computing with the clarification of what type of processing is run locally or remotely.*
* *A proposed mapping to IMS is also documented into the Draft TR with some warning on the fact that the proposed approach is not backed by a corresponding SA2 architecture.*
* *The Draft TR 26.829 id proposed to be sent to SA for information.*

*On Maintenance*

* *CR to the FS\_AVATAR TR that provides editorial improvements including figures in the document.*

*On the LS front*

* *The LS from SA6 on spatial map format is noted*
* *The LS from MPEG on Market aspects of NGVC, agreed to reply as an organization by presenting our video-codec related work that may be of their interest when deriving requirements for the definition of the Next Generation Video Codec.*

*Thanks*

* *Delegates for the good work and the excellent progress (including the offline sessions that were efficient).*
* *Minute takers: Thomas Stockhammer (Qualcomm), Julien Lemotheux (Orange), Eric Yip (Samsung) andWaqar Zia (Apple).*

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