3GPP TSG SA4#112-e Tdoc S4-210274

E-meeting, 1st-10th February, 2021

**Title: [Draft] Reply LS on on 8K VR 360 operation points**

**Response to: -**

**Release: Rel-17**

**Work Item: 8K\_VR\_5G**

**Source: 3GPP TSG SA WG4 (SA4)**

**To: VR-IF**

**Cc: -**

**Contact person: Dr. Thomas Stockhammer**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:**

* [S4-210272](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_112-e/Docs/S4-210272.zip): CR26.118-0006: Operation Points for 8K VR 360 Video

# 1 Overall description

3GPP TSG SA WG4 (SA4) would like to thank VR-IF on Reply Liaison Statement on 8K VR 360 operation point and VRIF Guidelines 2.3.

Your input was highly appreciated and helped to complete and agree a CR for Rel-17 to add 8K VR 360 Video to 3GPP VR Media Profiles in TS 26.118. Please find attached the agreed CR. We encourage you to fully align your guidelines with our specification for harmonized industry specifications.

As can observe in the CR, we agreed to support both, SDR as well as HDR based on BT.2100 PQ, aligned with our 4K profiles. We did not see any need to add BT.2100 HLG, but if VR-IF believes different as any concrete technical proposals, we would possibly consider updating our specification.

3GPP has started to document Typical traffic characteristics of media services on 3GPP networks for operator and third-party services. This includes predominantly expected bitrates, but may also add additional information such expected required QoS, etc. Currently, [TR 26.925](https://www.3gpp.org/ftp/Specs/archive/26_series/26.925/26925-g00.zip) documents “Typical streaming/broadcast 360 VR bitrates” in clause 5.2. In order to complete the work item, we would like to update this information to TR 26.925 documenting expected bitrates and possibly traffic characteristics for 8K VR 360 Video. Any input on this matter would be welcome.

We look forward to your response and wish to continue the exchange of information on VR services relevant for 5G. We expect to complete the work item by SA4#114-e, so any response prior to this meeting is highly appreciated.

# 2 Actions

**To VR-IF**

**ACTIONS:**

We kindly ask VR-IF to

* Provide any feedback on the potential need to support HLG for 8K VR 360 operation, if appropriate.
* Provide information on expected bitrates and possibly traffic characteristics for 8K VR 360 Video.

# 3 Dates of next TSG SA WG 4 meetings

3GPP SA4#113-e 6 – 14 April 2021, e-meeting

3GPP SA4#114-e 19 – 28 May 2021, e-meeting