**3GPP TSG-SA5 Meeting #138-e *S5-214667***

e-meeting, 23 - 31 August 2021

**Title:** LS on UPF reporting for redundant transmission on transport layer

**Response to:** -

**Release:** Rel-17

**Work Item:** 5G\_URLLC

**Source:** SA5

**To:** CT4

**Cc:** -

**Contact person:** Chen Shan

chenshan(at) huawei (dot) com

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

**Attachments:** S5-214325

# 1 Overall description

For the redundant transmission for high reliability communication specified by SA2 TS 23.501 and CT4 TS 29.244, SA5 has introduced the URLLC charging in TS 32.255 R17.

For the redundant transmission on N3/N9 interfaces, the clause 5.2.2.3.3 of TS 29.244 states " the UPF shall not count redundant packets in Usage Reports (e.g. Volume Measurement), i.e. it shall count the traffic only once in Usage Reports;” However, for the redundant transmission at transport layer, a NOTE in the clause 5.24.3 of TS 29.244 states " how the UPF perform the redundant transmission at transport layer is left up to UPF implementation" In that way, for redundant transmission at transport layer, how UPF count in Usage Reports is not specified.

From charging aspect, How the UPF reporting to SMF is important for the charging accuracy. Please CT4 clarify the SMF will know if packages reported includes the redundant packages or not for redundant transmission at transport layer.

# 2 Actions

**To ETSI TC LI**

**ACTION:** SA5 kindly asks CT4 to take the above information into account for UPF reporting for redundant transmission on transport layer.

# 3 Dates of next TSG SA WG 5 meetings

SA5#139-e 11 - 20 October 2021 electronic meeting