**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, SA2

**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;”.

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", and SA5 understands how UPF count for Usage Reports is not specified for this case.

From charging's perspective, it is important for the SMF to be aware on how the UPF reports the usage (i.e. with or without redundant packets) to ensure the usage reported by SMF for charging purpose is accurate.   
SA5 question to SA2 and CT4 is: can the SMF be aware on whether the usage reported by UPF is with or without redundant counts when redundant transmission at transport layer is used?.

# 2 Actions

**To SA2 and CT4**

**ACTION:** SA5 kindly asks SA2 and CT4 to answer to the question above and take appropriate action as necessary.

# 3 Dates of next TSG SA WG 5 meetings

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