3GPP TSG SA WG4 Meeting #122 TDoc S4-230384

Athens, Greece, 20th–24th February 2023

**Title: LS on the Design of RTP Header Extension for PDU set handling**

**Release: Rel-18**

**Work Item: 5G\_RTP**

**Source:** **3GPP SA4**

**To:** **3GPP SA2**

**Cc: 3GPP RAN2**

**Contact person: Shuai Zhao, Shuaizhao@intel.com**

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

**Attachments:** None

# 1 Overall description

SA4 acknowledges SA2’s progress regarding the PDU set study (FS\_XRM) and normative work in TS 23.501. In SA4#121, SA4 has agreed to work on defining the RTP header extension under WI 5G\_RTP for PDU set handling, including PDU set sequence number, PDU sequence number, the indication of end PDU of a PDU set, PDU set importance, and optionally PDU set size.

SA4 experts carefully consider codecs and application aspects of designing an efficient and meaningful RTP header extension to fulfil SA2’s requirement and agree on a single solution. In SA4#122, numerous proposals are currently under discussion. Therefore, we request that SA2 experts wait for SA4 work to finish before further investigation on identification of PDU set.

SA4 believes that a format for the PDU set information header extension will be finalized by SA4#124. Guidelines on how to set the PDU set information fields within the new header extension will be finalized during SA4 Release-18 timeframe.

**Question:**

SA4 would like to ask if it is possible for a single QoS flow to include both packets marked with PDU set information and unmarked packets.

# 2 Actions

**To SA2**

**ACTION:** SA4 respectfully asks SA2 to consider the above information and provide an answer to the raised question.

# 3 Dates of next TSG SA WG 4 meetings

SA4#123-e 17th–21st April 2023 Electronic

SA4#124 22nd–26th May 2023 Berlin, Germany