**Title: [Draft] LS out on the** **N6 PDU Set Identification**

**Response to: S2-2303849**

**Release: Rel-18**

**Work Item: 5G\_RTP**

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

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

**Cc:**

**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 thanks SA2 for acknowledging the progress of the normative work timeline. As indicated in SA4-230419, the new RTP header extension under SA4 5G\_RTP will signal the PDU set information, including PDU set sequence number, PDU set boundary indication, PDU sequence number within a PDU set, PDU set size, and PDU set importance.

SA4 would like to point out that only SRTP-based RTP header extension is considered. Therefore, the standard non-secure RTP header and the payload-based solutions are not in SA4’s design consideration.

In general, the parameters of PDU set information will be carried as plain text in the new RTP header extension. SDP may be used to signal particular fields, such as PDU set size information. However, the design of the new header extension is still in progress. SA4 will also provide the guidelines on signaling the PDU set information, which may not be completed by May 2023.

SA4 would like to point out that a 3-bit End of Data Burst indication was agreed to the PDU set information header extension at SA4 #123-e. In addition to marking the last PDU of the data burst, SA4 is also considering a solution where the additional bits can be used to indicate if the idle period between the two bursts is greater than some meaningful threshold that can enable the RAN to switch to the most appropriate power state. SA4 kindly requests feedback from SA2 on the feasibility of enabling this signalling in the 5GC within Rel. 18 timeframe.

# 2 Actions

**To SA2**

**ACTION:** SA4 would like to ask SA2:

* What is the agreed mechanism in SA2 regarding how PDU set information from the new RTP header extension will be used by UPF?
* Can SA2 modify the GTP-U header to have a 3-bit End of burst indicator to enable additional idle time related signaling to RAN within Rel. 18?

# 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