3GPP TSG SA WG 4 Meeting 126 TDoc S4-231955

Chicago, USA, 13 – 17 November 2023

**Title: LS on out of order reception for the end PDU of PDU Set/Data Burst**

**Response to:**

**Release: Release 18**

**Work Item: 5G\_RTP, XRM**

**Source:** **SA WG 4**

**To:** **SA WG 2**

**Cc: RAN WG 2**

**Contact person: Qi Pan**

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

**Attachments:**

# 1 Overall description

When defining the semantics of PDU Set based RTP Header Extension, SA4 realizes that the out of order reception may happen at the 5GS, i.e. UPF and RAN. For example, depending on the N6 link status between UPF and the RTP sender, the PDU carrying the Indication of End PDU of the PDU Set may be not the last PDU arriving at UPF within the PDU Set. Similarly, the same issue also exists for the End PDU of the Data Burst.

SA4 would like to remind SA2 to take the above issue into account and update their specifications if necessary. However, SA4 would like to confirm our earlier position that the UPF should not attempt to perform re-ordering to achieve in-order delivery.

# 2 Actions

**To SA2**

**ACTION: SA4 respectfully asks SA2 to take the above information into account and provide feedback, if any.**

# 3 Dates of next TSG SA WG 4 meetings

SA4#127 29th January – 2nd February 2024, Sophia Antipolis, France

SA4#128e 29th January - 2nd February 2024, e-meeting