**3GPP TSG-SA WG2 Meeting #154 AH S2-221XXXX**

**Emeeting, Jan 16 - 20, 2022**

Title: [Draft] Reply LS on PDU Set Handling

**Title: [DRAFT]** LS on PDU Set Handling

**Response to:** -

**Release:** Release 18

**Work Item:** FS\_ XRM/XRM

**Source:** CATT [TSG SA WG2]

**To:** TSG RAN WG2, SA WG4

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

**Q1: Mapping**

In order to decide how PDU sets should be mapped in radio protocols, RAN2 understands that different types of PDU sets can be mapped to different QoS flows. RAN2 would also like to know whether different types of PDU set can be mapped to the same QoS flow and if so whether RAN should have the ability to treat those differently over the air interface (for instance, to deal with PDU Sets with different importance, PSER, and/or PSDB within the same QoS flow). If RAN should have such an ability, RAN2 would like to know based on what information signalled to the gNB this would be based on.

**SA2 Answer:** The SA2 has agreed that the different PDU Sets are mapped into the same QoS Flow. In such cases, the QFI in the GTP-U header is to identify the QoS Flow and the PDU Set importance information included in the GTP-U header is used to identify the importance of a PDU Set within a QoS flow. RAN may use it for PDU Set level packet discarding in presence of congestion. The PDU Set QoS Parameters (e.g. the PSER, PSDB) is provided to the RAN with a PDU Set importance information which is used by the RAN to associate the PDU Set QoS Parameters with the PDU Set with the same PDU Set importance information.

**Q2: Reordering**

In some of the mapping options considered by RAN2, PDU sets may reach the receiver out of sequence. Thus, RAN2 would like to know whether in-order delivery of PDU sets should be provided.

**SA2 Answer:** From the SA2 point of view, in-order delivery of PDU Sets should be provided to migrate the PDU ordering in the UE.

**2. Actions:**

**To RAN2 group**

**ACTION:** SA2 kindly asks RAN2 to take the above into account.

**3. Date of Next TSG SA WG2 Meetings:**

SA2-Ad Hoc Jan 16 – 20, 2023 E-meeting