**SA WG2 Meeting #155-AH-e S2-22xxxxx**

**January 16 - 20, 2023, Electronic Meeting (revision of S2-220xxxx)**

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

**Response to:** S2-23xxxxx / R2-2213351

**Release:** Release 18

**Work Item:** FS\_NR\_XR\_enh, XRM

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

**To:** TSG RAN WG2

**Cc:** TSG SA WG4

**Contact Person:**

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**Attachments:** S2-23xxxxx

**1. Overall Description:**

SA2 thanks RAN2 for their LS on PDU Set Handling (S2-23xxxxx / R2-2213351).

In their LS, RAN2 indicated that “*In order to decide how PDU sets could be mapped in radio protocols, RAN2 is wondering if different PDU sets could have different characteristics (for instance importance, PSER, and/or PSDB) and if so, which characteristics can be different and with which granularity (e.g. QoS flow, individual PDU Sets…).*

*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. 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 would like to indicate that SA2 has made the following conclusions in TR 23.700-60:

“*PDU Set Importance: This parameter 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*.”

“*PDU Set Information (listed in 8.4.2.1) are informed by UPF to RAN via GTP-U header of user plane packet*.”

Furthermore, SA2 has concluded that, if PDU Set based QoS handling is used, PDU Set Importance to Priority Level Mapping Rules may be signalled to (R)AN, and if received, take precedence over the Priority Level that is associated with the QoS Flow and shall be used to assign a Priority Level to a PDU whose GTP-U header includes a PDU Set Importance value. The attached CR has been agreed in S2-23xxxxx.

**2. Actions:**

**To RAN2 group**

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

**3. Date of Next TSG-RAN WG2 Meeting:**

SA2#155 from 2023-02-20 to 2023-02-24 Athens, Greece

SA2#156 from 2023-04-17 to 2023-04-21 TBD