**3GPP TSG-WG SA2 Meeting #165 *S2-2410632***

**14 – 18 Sep, 2024, Hyderabad, IN (*revision of S2-240xxxx*)**

**Title: [DRAFT] LS on Transport level marking based on PDU Set Importance**

**Response to: -**

**Release: Release 19**

**Work Item: XRM\_Ph2**

**Source:** **SA2**

**To:** **CT4**

**Cc: -**

**Contact Person:**

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**Attachments:** 23501CR5407

**1. Overall Description:**

As part of the XRM\_Ph2 work item SA2 has agreed the attached TS 23.501 CR in relation to Key Issue #3 in TR 23.700-70 (“Leverage PDU Set QoS information for DSCP marking over N3/N9 in the transport network”).

Regarding the following text in the agreed CR:

*For QoS Flows that are configured for PDU Set QoS handling, the SMF may additionally take into account the PDU Set Importance when determining the transport level packet marking values.* ***In this case, the SMF provides a list of transport level packet marking values for the downlink direction to the UPF, each of the transport level packet marking values corresponding to one or more PDU Set Importance values.*** *When an I-SMF/I-UPF is inserted in the PDU Session, the I-SMF may instruct the I-UPF to derive the transport level packet marking of the outgoing N3 downlink packet based on the transport level packet marking of the incoming N9 downlink packet.*

SA2 could not agree whether the SMF should provide the list of transport level marking values to the UPF in a FAR or in a QER.

SA2 is of the opinion that the decision of using FAR vs QER for the abovementioned purpose is best addressed by CT4 experts. Therefore, SA2 kindly asks CT4 to provide feedback on whether the SMF should provide the list of transport level marking values to the UPF in a FAR or in a QER.

**2. Actions:**

**To CT4:**

**ACTION:** SA2 kindly asks CT4 to to provide feedback on whether the SMF should provide the list of transport level marking values to the UPF in a FAR or in a QER.

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

3GPP SA2#166 18 - 22 Nov 2024 Orlando, FL, US

3GPP SA2#166AH-e 20 - 24 Jan 2025 Electronic meeting

3GPP SA2#167 17 - 21 Feb 2025 Athens, GR