**3GPP TSG-WG SA4 Meeting #133-e *S4-251XXX***

**Online, July 18 – 25, 2025**

Title: Reply LS on Encoding of (S)RTP Multiplexed Media Identification Information

Response to: C3-252475/S4-251422

Release: Rel-19

Work Item: XRM\_Ph2, 5G\_RTP\_Ph2

Source: SA4

To: CT3

Cc: SA2, CT1, CT3

**Contact Person:**

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

Attachments: None.

**1. Overall Description:**

SA4 thanks CT3 for their LS on Encoding of (S)RTP Multiplexed Media Identification Information.

As per the IANA Real-Time Transport Protocol Parameters registry document (<https://www.iana.org/assignments/rtp-parameters/rtp-parameters.txt>), the RTCP packet type values in the range “200-223” are the primary assignment range and RTCP packet type values in the range “194-199” are preferred when the range “200-223” is fully occupied. Also, the ranges “224-254” and “1-191” for RTCP packet type values are unassigned and should only be used when other values have been exhausted. Also, the RTP payload type values shall be in the range “0-127” (inclusive).

Multiplexing of RTP and RTCP requires the packet type of RTCP packet to be different from the payload type of the RTP packet plus the M-bit of the RTP header, which may be 0 or 1 depending on the RTP packet. RFC 5761 section 4 describes in detail the existing conflicts and provides recommendations for IANA to register new RTCP packet types in order to limit future conflicts. In general, it is acceptable to multiplex RTP and RTCP packets, provided the RTP payload types and RTCP packet types used in the RTP session are chosen according to the rules in section 4 of RFC 5761.

Based on the registration guidelines provided to IANA for RTCP packet type and the RTP payload type values, SA4 thinks that the RTP payload type and RTCP packet type values in the multiplexed media may not share the overlapping range.

**2. Actions:**

**To CT4 group.**

**ACTION:** SA4 asks CT3 to take the above into account.

**3. Date of Next TSG SA WG4 Meetings:**

TSG-SA4 Meeting #134 17th – 21st November 2025 Dallas, US

TSG-SA4 Meeting #135 9th – 13th February 2026 India