**3GPP TSG-WG SA4 Meeting #133-e *S4-251471***

**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, CT4

**Contact Person:**

Name: Srinivas Gudumasu

Tel. Number:

E-mail Address: srinivas.gudumasu@interdigital.com

**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 (<https://www.iana.org/assignments/rtp-parameters/rtp-parameters.txt>), the RTCP packet type values in the range 200-223 are designated as the primary assignment range. When this range is fully occupied, values in the range 194-199 are preferred for subsequent assignments. 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. RTP payload type values shall be in the range 0-127 (inclusive).

Multiplexing of RTP and RTCP requires the RTCP packet type to be distinct from the RTP payload type plus 128, where 128 accounts for the M-bit of the RTP header, which may be 0 or 1 depending on the RTP packet. RFC 5761 section 4 details the existing conflicts and provides recommendations for IANA to register new RTCP packet types to help prevent future conflicts. In general, RTP and RTCP packets multiplexed onto a single port can be distinguished, 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 IANA registration guidelines 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 cannot share an overlapping range, if the guidelines specified in RFC 5761 are followed.

**2. Actions:**

**To CT4 group.**

**ACTION:** SA4 kindly asks CT3 to take the above information 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