3GPP TSG-SA WG4 Meeting #132S4-251xxx

Japan, Fukuoka, 19 – 23 May 2025

**Title: Reply LS on IMS DC Multiplexing**

**Response to: S2-2502522 (S4-250769)**

**Release: Rel-19**

**Work Item: NG\_RTC\_Ph2**

**Source: SA WG4**

**To: SA WG2**

**CC:** **-**

**Contact person: Bo Burman**

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

**Attachments: -**

# 1 Overall description

SA4 thanks SA2 for their liaison on IMS DC Multiplexing.

**SA2 Question:**

*The 3GPP SA2 R19 NG\_RTC\_Ph2 includes KI#7 supporting multiplexing multiple DC applications over a single SCTP connection. In the clause AC.7.10 of TS 23.228, SA2 has defined the following multiplexing scenarios:*

*- Multiplexing local bootstrap data channel and remote bootstrap data channel between the UE and its home IMS network using a single SDP m line media description if both support data channel multiplexing capability;*

*- Multiplexing different application data channels for applications with compatible QoS requirements between the UE and its IMS network using a single SDP m line media description if both support multiplexing capability;*

*- Multiplexing different application data channels for applications with compatible QoS requirements between the originating IMS network and terminating IMS network using a single SDP m line media description if both support DC multiplexing capability.*

**SA4 Answer:**

SA4 would like to inform that TS 26.114 v19.0.0 supports all three of the scenarios described above. The first scenario is supported by this statement in clause 6.2.10.2:

*A DCMTSI client that supports bootstrap data channel multiplexing may include bootstrap data channels for both local and remote bootstrap data channel content sources (see Table 6.2.10.1-2) in a single SDP m= line media description in the SDP offer.*

The second scenario is supported by this statement in clause 6.2.10.2:

*A DCMTSI client that supports application data channel multiplexing may include multiple "a=3gpp-req-app" attributes for different data channel applications with compatible QoS requirements in a single SDP m= line media description in the SDP offer.*

The third scenario is supported by the same statement as for the second scenario above, taken in combination with the "a=3gpp-req-app" SDP attribute’s previously existing "adc-stream-id-endpoint" parameter as part of the "app-dc-info" parameter, which allows to differentiate what the SDP offerer intends the remote, answering endpoint to be ("Server" or "UE").

Further text in TS 26.114 v19.0.0, not quoted here, details SDP offer/answer aspects of the above, e.g., how an answering client that does not support multiplexing rejects its usage.

# 2 Actions

**To SA WG2**

**ACTION:** SA4 kindly asks SA2 to take the above provided answer into consideration.

# 3 Dates of next SA WG4 meetings

**SA4#133-e: 21 - 25 July, 2025 Electronic meeting**

**SA4#134: 17 - 21 November, 2025 Dallas, U.S.**

**SA4#135: 9 - 13 February, 2026 TBD, India**