**3GPP TSG-SA3 Meeting #119 draft\_S3-245140-r2**

Orlando, US, 11 -15 November 2024 is revision of **S3-244855**

**Title:** **Reply LS on enhancement to the protocol stack of IMS Data Channel**

**Response to: LS S3-244646/S4-241373 on enhancement to the protocol stack of IMS Data Channel from** **SA4**

**Release: Rel-18**

**Work Item:** **5G\_MEDIA\_MTSI\_ext**

**Source: China Mobile (to be SA3)**

**To: SA4**

**Cc: SA3-LI, SA2**

**Contact person: Xiaoting Huang**

**[huangxiaoting@chinamobile.com](mailto:huangxiaoting@chinamobile.com)**

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

**Attachments:**

# 1 Overall description

SA3 thanks SA4 for the LS on enhancement to the protocol stack of IMS Data Channel. SA3 provides the following response:

Q1: Would SA3 see any requirement of mandating the usage of IMS media plane encryption?

A1: In general, SA3 sees no requirement of mandating the usage of IMS media plane encryption, but for IMS DC SA3 understands that RFC 8831 is referred by 3GPP to implement protocol stack of IMS DC that mandates the use of DTLS.

Q2: Could you confirm that the MNO can choose whether to encrypt IMS audio and video media during the media negotiation with UE, in IMS?

A2: Yes, but in that case a different signalling framework and user plane stack from IMS DC is used (see above).

Q3: Could the MNO choose whether to encrypt DC media during the media negotiation with UE, similar to how they can choose to encrypt IMS audio and video media?

A3: SA3 understands that MNO can not choose whether to encrypt DC media now, because RFC 8831 is referred by 3GPP to implement protocol stack of IMS DC that mandates the use of DTLS.

Furthermore, SA3 has discussed and found the issue that e2e communication between two UEs can not fulfil the LI requirements because the mandatory use of DTLS. SA3 would like to coordinate with SA4 and other corresponding working groups to study further on this.

# 2 Actions

**To SA4**

**ACTION:** SA3 kindly asks SA4 to take the above answers into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#120 17 – 21 February 2025 Athens (Greece)

SA3#121 7 – 11 April 2025 Goteborg, Sweden