**3GPP SA WG2 Meeting #170 S2-2506404**

**Gothenburg, Sweden, 25-29 August 2025**

Title: [Draft] LS on support of multiple IMS voice calls over NB-IoT NTN

Response to: -

Release: Release 20

Work Item: FS\_5GSAT\_Ph4\_ARC

Source: SA2

To: SA1

Cc: -

**Contact Person:**

Name: Haris Zisimopoulos

Tel. Number:

E-mail Address: harisz AT qti DOT qualcomm DOT com

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

Attachments: None

**1. Overall Description:**

SA2 is currently studying support for IMS voice over NB-IoT NTN, and noticed that the related service requirements in TS 22.261 give reference to TS 22.228.

According to TS 22.228, it is possible for the UE to support more than one IMS voice calls e.g. simultaneously using the communication HOLD service that enables a user to suspend media within a session and resume that media at a later time. Also another requirement discussed in SA2 is the support for DTMF. These functionalities are mandated to be supported in GSMA IR.92 and therefore all commercial IMS UEs.

These requirements will have an effect on the overall protocol stack for solution to support IMS voice over NB-IoT NTN . SA2 would need some feedback whether there is a specific “service profile for the support of IMS voice over NB-IoT NTN.

Since this is a service requirement, SA2 would like a clarification from SA1 whether it is required for the

**2. Actions:**

**To SA1:**

**ACTION:** SA2 asks SA1 to define a service profile for IMS voice over NB-IoT NTN and specifically whether it is required for the UE to support more than one media flows simultaneously e.g. using the communication HOLD service or DTMF.

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

TSG-SA2 Meeting #171 13-17 October 2025 Wuhan, PRC

TSG-SA2 Meeting #172 17-21 November 2025 Dallas, TX, USA