3GPP TSG RAN WG3 Meeting #129 R3-255816

Bengaluru, India, 25th-29th August 2025

**Title: Reply LS on clarification of UAV regulation from SA2**

**Response to: R3-253020/S2-2504471**

**Release: Release 19**

**Work Item: UAS\_Ph3**

**Source: RAN3**

**To: SA2**

**Cc:**

**Contact person: Miaoqi Zhang**

 **zhangmiaoqi@chinamobile.com**

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

**Attachments:**

1. **Overall Description:**

RAN3 thanks SA2 for the reply LS on clarification of UAV regulation. RAN3 further discussed the topic based on the clarifications provided by SA2 and the new procedure described in TS 23.256 clause 5.16.4 to instruct an aerial UE to stop and/or update an ongoing altitude reporting.

RAN3 has reached the agreement that introduce a new IE “Aerial UE flight information ongoing reporting failed” indicating the ongoing reporting failed or stopped and a new cause value “Aerial UE flight information reporting initiation failure” indicating the initiation failure of aerial UE flight information reporting in LOCATION REPORTING FAILURE INDICATION message.

In the procedure for instructing aerial UEs to perform altitude reporting specified in clause 5.16.2 in TS 23.256, the UAS NF/NEF may include the derived altitude thresholds and indication about reporting periodicity for the UE's altitude reporting. Accordingly, the AMF sends the LOCATION REPORTING CONTROL message to the NG-RAN node containing a single aerial UE reporting configuration, including one pair of derived altitude thresholds with both higher altitude threshold and lower altitude threshold and optionally reporting periodicity.

RAN3 would like to ask for further clarification from SA2 that if the NG-RAN node can be configured to multiple aerial UE reporting configurations from AMF towards single aerial UE at the same time. If it is possible, does it mean that the NG-RAN node needs to send multiple aerial UE flight information back to the AMF for the same aerial UE.

1. **Actions:**

**To SA2 group:**

**ACTION:** RAN3 respectfully asks SA2 to take the above information into account and provide corresponding feedback.

1. **Dates of next TSG RAN WG3 meetings**

TSG-RAN WG3 Meeting #129bis 13-17 Oct 2025 Prague, CZ

TSG-RAN WG3 Meeting #130 17-21 Nov 2025 Dallas, US