**3GPP TSG-RAN3 Meeting #111-e Draft-R3-211088**

**Online, 25th January - 5th February 2021**

Title: E-RABs that cannot be handed over to 2G/3G or 5G

Response to:

Release: 3GPP Rel-15

Work Item: TEI 15

Source: Ericsson

To: 3GPP SA2

Cc: 3GPP CT1, 3GPP CT4

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

Attachments:

**1. Overall Description:**

RAN3 has discussed the below issue: when perform SRVCC from 4G to 3G, if the UE was earlier handed over from 5G and having the PS bearer (no voice) from 5G, eNB would perform SRVCC with two Iu connections (Iu-CS and Iu-PS) and informs the target RNC. But the Forward Relocation Request message may never be sent to the target node due to the QoS flow established in 5G does not contain Transaction Identifier (TI) and this TI is mandatory in the Forward Relocation Request message. This causes the SRVCC delay and in the worst case could even cause failure.

The issue is general, with the introduction of NR, the PS bearers set up at 5G may not be able to handover to 2G/3G or vice versa, e.g.: 5G without TI cannot be handed over to 2/3G. Similarly, some E-RABs from 2G/3G cannot be handed over to 5G. The mobility procedure may be delayed and in the worst case could even fail.

RAN3 would like to ask SA2 to investigate how we can solve the problem,

**2. Actions:**

**To SA2 group.**

**ACTION:** RAN3 kindly asks feedback and guidance from SA2.

**3. Date of Next RAN3 Meetings:**

RAN3#112 17th – 28th May 2021 Online