**3GPP TSG-RAN WG3 #114bis-e R3-22xxxx**

**17 – 26 January 2022**

Title: [DRAFT] LS on RAN Initiated Release due to out-of-PLMN area condition

Source: Qualcomm Incorporated [to be RAN3]

To: SA2

Cc: CT1???, RAN2 ???

**Contact Person:**

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Attachments:

**1. Overall Description:**

RAN3 has been discussing various aspects of NTN operation in relation to country-border crossing in connected mode. In that context, RAN3 has agreed in principle that a gNB shall be able to trigger a context release request procedure when it detects from the available UE location information that a connected mode UE is outside the geographical coverage area of its PLMN. This functionality could be seen as complementary to the procedures defined in TS 23.501, e.g. in cases where ULI has not been sent for some time and gNB has been thus configured.

RAN3 understands that the UE Context Release Request procedure would normally result in UE context release, and therefore RAN3 has agreed to add a new NAS cause value “UE not in PLMN serving area” in NGAP to be sent within the UE CONTEXT RELEASE REQUEST message. The cause value could be used by the AMF to decide whether to trigger additional actions (e.g. LCS check / NAS deregistration etc) before UE context release.

RAN3 would like SA2 to confirm that the described functionality can be supported from a system level perspective.

**2. Actions:**

**To SA WG2**

**ACTION:** RAN3 kindly asks SA2 to provide feedback on the above, and particularly to confirm that the described functionality can be supported from a system level perspective.

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

RAN3#115-e 21 February – 3 March 2022 Electronic meeting