**3GPP TSG-RAN3 Meeting #110-e R3-20xxxx**

**Online, 2nd - 12th November 2020**

Title: [DRAFT] LS on handling the Unknown RRC cause value

Response to:

Release: 3GPP Rel-15

Work Item: NR\_newRAT-Core

Source: Ericsson

To: 3GPP SA2

Cc:

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Attachments:

**1. Overall Description:**

In NR RRC TS 38.331, it is specified that “gNB is not expected to reject an RRCSetupRequest due to unknown cause value being used by the UE.”

But in NGAP TS 38.413, how to map this to the NGAP RRC Establishment Cause is not specified.

In NGAP 9.3.1.111 RRC Establishment Cause. one code point “notAvailable” is defined:

* The notAvailable value is used in case the UE is re-establishing an RRC connection but there is fallback to RRC connection establishment as described in [18], or the ResumceCause received from the UE does not map to any other value of the RRC Establishment Cause IE.

There is a propose in RAN3 to map the unknown RRC cause value to “notAvailable”, similar to the above reestablishment and resume cases as in below

* The notAvailable value is used in case the UE is re-establishing an RRC connection but there is fallback to RRC connection establishment as described in [18], or the ResumceCause received from the UE does not map to any other value of the RRC Establishment Cause IE **or the EstablishmentCause received from the UE is unknown.**

We would like to check with SA2 the following:

* Would mapping the unknown RRC cause to “notAvailable” be beneficial or not related to CN overload handling?
* How is the “notAvailable” for the reestablishment and resume cases used in CN today?
* Would it be beneficial to handle the “Unknown RRC cause value the same as the reestablishment and resume?

**2. Actions:**

**To SA2 group.**

**ACTION:** RAN3 kindly asks SA2 to provide feedback to the above questions.

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

RAN3#111 25th January – 5th February 2021 Online