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

**E-meeting, 2 – 12 Nov 2020**

Title: [DRAFT] Reply LS on NAS Non delivery for RRC\_INACTIVE state

Response to: Reply LS on NAS Non delivery for RRC Inactive state (R3-204239/ S2-2004452)

Release: 3GPP Rel-15/Rel-16

Work Item: NR\_newRAT-Core

Source: CATT (to be RAN3)

To: SA2

Cc: CT4

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

Attachments: -

**1. Overall Description:**

RAN3 thanks SA2 for the LS on NAS Non delivery for RRC Inactive state.

For the second answer, RAN3 further discussed how to inform AMF the non-delivery of the non-PDU session related NAS PDU received in the "PDU Session Resource Setup" and “Initial Context Setup".

For "PDU Session Resource Setup", some companies in RAN3 still doubt if the scenario is valid.

**Question 1:** For a UE in RRC\_INACTIVE state, is it possible for AMF to piggyback any non-PDU session related NAS PDU in PDU SESSION RESOURE SETUP REQUEST?

For "Initial Context Setup”, the scenario is confirmed in RAN3, but we have not reached the consensus on how to handle the non-delivered non-PDU session related NAS-PDU in the "Initial Context Setup Request". Here are two candidate solutions:

* Solution 1: Use NAS NON DELIVERY INDICATION message to indicate the failure of the NAS delivery.
* Solution 2: Use the "Initial Context Setup failure” to implicitly indicate the failure of the NAS delivery.

**Question 2:**RAN3 would like to ask SA2 which solution is preferred on handling of the non-delivered non-PDU session related NAS-PDU in the "Initial Context Setup Request"?

**2. Actions:**

**To SA2 group:**

**ACTION:**

**Question 1:** For a UE in RRC\_INACTIVE state, is it possible for AMF to piggyback any non-PDU session related NAS PDU in PDU SESSION RESOURE SETUP REQUEST?

**Question 2:**RAN3 would like to ask SA2 which solution is preferred on how to handle the non-delivered non-PDU session related NAS-PDU in the "Initial Context Setup Request"?

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

RAN3#111 25 Jan – 04 Feb 2020 Electronic