**3GPP TSG-CT WG1 Meeting #134-eC1-221415-r03**

**E-Meeting, 17th – 25th February 2022**

Title: NAS's trigger for resume for SDT

Response to: (R2-2201822/C1-221033) LS on resume cause from RAN2

Release: Rel-17

Work Item: NR\_SmallData\_INACTIVE-Core

Source: CT1

To: RAN2

Cc: - -

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Attachments: none

**1. Overall Description:**

CT1 wishes to thank RAN2 for their LS R2-2201822 on the topic of NAS initiating resume when NAS is suspended (i.e RRC\_INACTIVE) for the SDT feature. In that LS RAN2's action to CT1 is

**Q1:** When any new data or signalling (for instance an emergency call) becomes available for a radio bearer not configured for SDT and non-SDT data indication procedure is initiated by the UE, whilst the AS has not yet responded to the previous trigger for resume from NAS layer, does the NAS layer provide another trigger with resume cause to AS and should this resume cause be provided to the gNB as part of the non-SDT data indication procedure.

CT1's answers are as follows:-

1) With respect to " does the NAS layer provide another trigger " when " the AS has not yet responded to the previous trigger for resume from NAS layer "; there is no normative requirement for " another trigger", as there is no consensus which state the NAS is in given that RAN2 indicated in the LS that "*During an SDT session, the UE is kept in RRC\_INACTIVE state, whilst exchanging UL and DL packets over radio bearers configured for SDT and the AS responds to the trigger from NAS layer only after the SDT session is completed*"

2) With respect to " trigger with **resume cause** to AS ", CT1 would like to emphasize that NAS does provide the RRC establishment cause to lower layers when NAS request a resume. NAS does not provide a resume cause. Perhaps AS, as specified in TS 38.331, uses the provided RRC establishment cause as the resume cause.

3) With respect to " should this resume cause be provided to the gNB", It is not in CT1's remit to decide what should be provided to gNB. However, CT1 can understand that knowledge of the RRC establishment cause can assist gNB to prioritize request for resources (e.g emergency call).

**2. Actions:**

**To RAN2.**

**ACTION:** CT1 kindly request RAN2 to take note of the answers given.

**3. Date of Next CT4 Meetings:**

TSG-CT WG1#135-e Apr 6th – 12th, 2022 Online meeting

TSG-CT WG1#136-e May 12th – 20th, 2022 Online meeting