**3GPP** **TSG CT WG1 Meeting 122-e TDoc C1-20TBD**

**Electronic meeting, 20-28 February 2020**

**Title: LS on suspend indication to the NAS**

**Response to:**

**Release: Rel-16**

**Work Item: 5G\_CIoT**

**Source:** **CT1**

**To: RAN2**

**Cc: SA2**

**Contact person: Mahmoud Watfa**

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

**Attachments:**

# 1 Overall description

There seems to be an ambiguity associated with the suspend indication that the RRC provides to the NAS as follows:

1. Section 5.3.8.7 of TS 36.331 (titled: UE actions upon entering RRC\_INACTIVE) states:

“*1> indicate the suspension of the RRC connection to upper layers;*”

1. For a UE that is using user plane CIoT 5GS optimization, section 5.3.12 of TS 36.331 (titled: UE actions upon leaving RRC\_CONNECTED or RRC\_INACTIVE) states:

 “*1> if leaving RRC\_CONNECTED was triggered by suspension of the RRC:*

*… [SKIP] …*

*2> store the following information provided by E-UTRAN:*

*3> the resumeIdentity;*

*… [SKIP] …*

*2> indicate the suspension of the RRC connection to upper layers;*”

For the UE in WB-E-UTRA that is using user plane CIoT 5GS optimization, the NAS cannot know the trigger for the suspend indication from the lower layers i.e. RRC entering RRC inactive state or a suspension of the RRC connection for user plane CIoT 5GS optimization.

# 2 Actions

**To RAN2**

**ACTION:** CT1 kindly requests RAN2 to clarify how the NAS can differentiate the two triggers for a suspend indication received from the RRC described above.

# 3 Dates of next TSG CT WG1 meetings

TSG CT WG1 Meeting 123 20-24 April 2020 Dubrovnik (Croatia)

TSG CT WG1 Meeting 124 25-29 May 2020 TBD