**3GPP** **TSG CT WG1 Meeting 122-e TDoc C1-200967**

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

**Title: LS on 5G-GUTI reallocation after paging of a UE in 5GMM-IDLE mode with suspend indication**

**Response to:**

**Release: Rel-16**

**Work Item: 5G\_CIoT**

**Source:** **CT1**

**To: SA3**

**Cc:**

**Contact person: Mahmoud Watfa**

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

**Attachments:**

# 1 Overall description

With respect to reallocation of a new 5G-GUTI after a paging procedure, TS 33.501 specifies:

*Upon receiving Service Request message sent by the UE in response to a Paging message, the AMF shall send a new 5G-GUTI to the UE. This new 5G-GUTI shall be sent before the current NAS signalling connection is released.*

CT1 discussed the following case for a UE that is using user plane CIoT 5GS optimization:

1. When the UE in 5GMM-IDLE mode with suspend indication is paged, the UE resumes its NAS connection without necessarily sending a (Control Plane) Service Request message (see section 5.3.1.5 of TS 24.501).
2. The UE goes back to 5GMM-IDLE mode with suspend indication. If there is a need to page, the network will page the UE for a second time with the same 5G-S-TMSI.
3. The scenario can repeat again leading to subsequent paging with the same 5G-S-TMSI.

CT1 would like to ask SA3 the following question:

* For a UE in 5GMM-IDLE mode with suspend indication, is the network required to allocate a new 5G-GUTI after paging and resume of a connection even if a NAS message is not sent (i.e. after bullet 1 above)?

# 2 Actions

**To SA3**

**ACTION:** CT1 respectfully requests SA3 to answer the question 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