**3GPP TSG-CT WG1 Meeting #131-eC1-216984**

**E-meeting, 19-27 August 2021**

**Title:** ReplyLS on Emergency call after Authentication Failure

**Response to:** R5-213429

**Release:** Release 17

**Work Item:** 5GS\_NR\_LTE-UEConTest

**Source:** TSG CT WG1

**To:** TSG RAN WG5

**Cc:**

**Contact Person:**

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**Attachments:** Rev of C1-214376

**1. Overall Description:**

CT1 would like to thank RAN5 for the question on emergency call after the authentication failure.

CT1 analysed the different solutions and would like to propose option 1-4 as the way forward

For situation 1 (i.e. when emergency PDU session is established), UE shall behave as part 2 (i.e. not to take the cell as barred).   
CT1 has agreed the attached CR which removes the ambiguity, i.e. it clearly distinguished the two cases, i.e. whether there is an emergency service started or is ongoing or not.  
If a emergency service started or is ongoing, the UE does not consider the cell as barred, even when the emergency service is stopped and the UE newly registers for normal services on this cell.

1. For situation 2 (i.e. when emergency PDU session is released), UE shall behave as in part 2 (i.e. not to take the cell as barred) and the UE may perform a de-registration procedure on the same cell. The UE shall not consider the cell as barred even the authentication failure would have required this. The UE then shall search for a suitable cell of the selected PLMN (which might be the current cell) and if none is available perform a PLMN selection in order to find a suitable cell of a allowed PLMN.

Regarding the follow-up question form RAN5 which is:

*Is this behaviour different if in Situation 1, prior to the emergency call the UE was in 5GMM-REGISTERED.LIMITED-SERVICE or 5GMM-DEREGISTERED.LIMITED-SERVICE state*

Answer: For both the states, UE will behave the same as a) and b) above with the additions:

* If the UE was in *5GMM-REGISTERED.LIMITED-SERVICE,* the UE may stay in 5GMM-REGISTERED.LIMITED-SERVICE under Situation 2, if the current cell is not suitable and no other suitable Cell/PLMN is available or the UE 5GMM context requires LIMITED Service, e.g. the UE has no valid USIM, or the USIM is invalidated.

CT1 has agreed to the attached CR clarifying the behaviour.

**2. Actions:**

**To RAN WG5 group.**

**ACTION:** CT1 kindly asks RAN WG5 to consider the above answer into consideration.

**3. Date of Next TSG-RAN WG5 Meetings:**

TSG-CT1 Meeting#133-bis-e 17th – 21th January 2022 Electronic Meeting

TSG-CT1 Meeting#134-e 17th – 25th February 2021 Electronic Meeting