3GPP TSG RAN WG1 #102-e R1-200xxxx

e-Meeting, August 17th – 28th, 2020

**Title: [Draft]** Reply LS on UE declaring beam failure due to LBT failures during active TCI switching

**Release:** Rel-16

**Work Item:** NR\_unlic-core

**Source:** RAN1

**To:** RAN4

**Cc:** RAN2

**Contact Person:**

**Name:** Michel ROBERT

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**1. Overall Description:**

RAN1 would like to thank RAN4 for their LS [1] related to UE declaring beam failure due to LBT failures during active TCI switching.

RAN2 has sent a Reply LS [2] with the following statement:

*For RRC based TCI state switching failure, the UE will not be able to receive any reference signals associated with the new TCI state and the link quality will be declared to be below the configured threshold. The BFD and BFR mechanism specified in Rel-15 will then trigger BF and recovery actions. In other words, there is no additional enhancement needed regarding this case in Rel-16.*

And the following ACTION to RAN4:

*NR Rel-15 BFD and BFR mechanism are enough to handle RRC based TCI state switching failure caused by DL LBT failures. No additional enhancement is needed for Rel-16.*

RAN1 would like to inform RAN4 that we confirm RAN2’s above feedback.

**2. Actions:**

**To RAN4.**

**ACTION:** RAN1 respectfully ask RAN4 to take the above answer into account.

**3. References**

[1] R1-2003271/R4-2005365, “LS on UE declaring beam failure due to LBT failures during active TCI switching”, Ericsson, RAN4

[2] R1-2005213/R2-2005851, “LS reply to RAN4 on UE declaring beam failure due to LBT failures during active TCI switching”, Ericsson, RAN2

**4. Date of Next TSG-RAN WG1 Meetings:**

TSG-WG1 Meeting #103-e October 27th – November 13th e-Meeting