**3GPP TSG RAN WG2#109bis-e R2-2003966**

**Online meeting, 20th-30th April, 2020**

**Title: [Draft]** reply LS on UL LBT failure recovery for the target cell

**Release:** Rel-16

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

**Source:** InterDigital [RAN2]

**To:** RAN4

**CC:** RAN1

**Contact Person:**

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

**1. Overall Description:**

RAN2 thanks RAN4 for the LS. Uplink LBT failure detection/recovery is applicable per current specifications to random access in R15-based handover, R15 SN addition/change, and PSCell addition, given the UE is in connected mode. However, an RLF is triggered due to UL LBT failure is ignored by RRC while relevant procedure timers are running, and procedure failure recovery occurs once timers expire.

Uplink LBT failure detection/recovery is not applicable per current specifications in RRC setup, resume, re-establishment, or release with redirection, as the UE does not have *lbt*-*FailureRecoveryConfig* configuredduring those procedures.

RAN2 agreed that no enhancements are planned in R-16 for UL LBT failure detection and recovery during handover, RRC setup, resume, re-establishment, or release with redirection. Enhancements can be pursued in future releases or in R-16 if RAN2 finds critical issues for detection/recovery during these procedures.

RAN2 has agreed that UL LBT failure detection and recovery is an optional UE capability.

**2. Actions:**

**To RAN4 group.**

**ACTION:**RAN2 kindly asks RAN4 to take into consideration the above response.

**3. Date of Next TSG WG RAN2 Meetings:**

TSG RAN WG2 Meeting #110-e 1 – 12 June 2020

TSG RAN WG2 Meeting #111 24 – 28 August 2020, Toulouse, France