**3GPP TSG-RAN WG2 Meeting #119bis-e R2-22nnnnn**

**Electronic Meeting, 10th to 19th Oct. 2022**

**Title:** Draft LS on Possibility on LBT-FailureRecoveryConfig

**Release**: Rel-18

**Work Item:** NR\_ENDC\_SON\_MDT\_enh2-Core

**Source:** RAN2

**To:** RAN3

**Cc:** -

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**1. Overall Description:**

At RAN2#119-e, RAN2 has discussed inclusion of the applied LBT recovery config (lbt-FailureRecoveryConfig) in the RA report for the purpose of NR-U optimization. There can be two solutions in general:

1. **UE based solution**: UE reports applied BWP specific lbt-FailureRecoveryConfig as part of RA report, when executed an RA procedure in NRU
2. **Network based solution**: Network stores the BWP specific lbt-FailureRecoveryConfig applied by the UE and use it when analyzing the RA reports collected in NRU

Provided two solutions above and given that the lbt-FailureRecoveryConfig is configured per configured UP BWP, RAN2 would like to consult RAN3 on the solution (b) network-based solution i.e., whether it is feasible for the RAN nodes to store the historical information of the BWP specific lbt-FailureRecoveryConfig applied by the UE at the time of execution of the RA procedures. In addition, RAN2 would like to kindly request RAN3 to evaluate the cost for the network-based solution in comparison with the option (a) UE based solution.

**2. Actions:**

**To RAN3 group:**

**ACTION:** RAN2 respectfully asks RAN3 to inform RAN2 about:

- Feasibility of network-based solution on storing the BWP specific lbt-FailureRecoveryConfig applied by the UE

- Evaluating the cost of the network-based solution in comparison with the UE based solution

**3. Dates of next TSG-RAN WG2 meeting:**

3GPP RAN2#120 from 2022-11-14 to 2022-11-18 Toulouse