**3GPP TSG-RAN WG2 Meeting #109e R2-2002203**

**24 February – 6 March 2020**

**Title:** **LS on dropping measurement results due to LBT delays**

**Release: Rel-16**

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

**Source:** **Qualcomm [To be RAN2]**

**To: RAN4**

**Contact Person:**

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**1. Overall Description:**

RAN2 has noticed that RAN4#93 has the following agreements and FFS on reporting of RRM measurements:

|  |
| --- |
| * UL LBT and Measurement Reporting
	+ Event triggered reporting:
		- FFS: UE shall abandon the measurement report when the extension UL, i.e., the time period from the time of the first reporting attempt failed due to UL CCA failure until the time of the successful reporting attempt, exceeds UL,max
 |

RAN2 understanding is that the FFS issue above considers a requirement that the UE shall abandon the measurement report in case the delay caused by successive UL LBT failures for its transmission exceeds a maximum value.

As the considered dropping of the measurement report has impact on RAN2 procedures and specifications, it was discussed in RAN2#109e. RAN2 has concluded on the following:

* Existing U-plane functionality does not support a “withdraw” procedure for abandoning reporting of measurement results.
* After a measurement report is mapped to a Transport Block for (re)-transmission, it is not possible for the UE to drop selectively the data that carries the measurement report.
* For signaling messages (mapped to SRB), there is no PDCP discard timer. The only way to drop off SRB messages is via a MAC reset, e.g. by handover.
* Introduction of a mechanism to drop measurement reports as considered by RAN4 will have significant impacts on RAN2 specifications

Based on the above, RAN2 respectfully suggest that RAN4 should not agree to UE abandoning the measurement report due to delay caused by LBT failures.

**2. Actions:**

**To RAN4**

**ACTION:** .

RAN2 respectfully suggest that RAN4 should not agree to UE abandoning the measurement report due to delay caused by LBT failures.

**3. Date of Next TSG-RAN WG2 Meetings:**

TSG-RAN2 Meeting #109bis 20 - 24 Apr 2020 e-meeting

TSG-RAN2 Meeting #110 25 - 29 May 2020 Athens, Greece