**3GPP TSG-RAN WG2 Meeting #109-bis electronic R2-2004086**

**20 – 30 April 2020**

**Title:** [Draft] LS on RLF Agreements

**Response to:**

**Release:** Rel-16

**Work Item:** 5G\_V2X\_NRSL-Core

**Source:** Interdigital [to be RAN2]

**To:** RAN1

**Cc:** SA2

**Contact Person:**

#### Name: Martino Freda

#### E-mail Address: martino.freda@interdigital.com

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

**Attachments:**

**1. Overall Description:**

RAN2 has discussed TX-based RLM/RLF and has reached the following agreements:

Agreements on RLM/RLF:

1: UE can trigger RLF based on the absence of HARQ feedback (DTX).

2: Enhancements addressing absence of HARQ feedback (i.e. DTX) resulting from half duplex and UL/SL prioritization are not considered in this release (similar to NR-U for absence of IS/OOS).

3: RLF can be triggered following reception of a configurable number of consecutive DTX.

4: Use the MAC CR in [R2-2003238](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_109bis-e/Docs/R2-2003238.zip) as a baseline for HARQ-based RLF feature. It will be merged into MAC CR prepared by MAC CR rapporteur.

5: Use the RRC CR in [R2-2003239](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_109bis-e/Docs/R2-2003239.zip) as a baseline for HARQ-based RLF feature. It will be merged into RRC CR prepared by RRC CR rapporteur.

**2. Actions:**

**To RAN1**

RAN2 respectfully asks RAN1 to take the above agreements into account in their work.

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

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

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