3GPP TSG RAN WG2 Meeting #116bis-e R2-220xxxx

Electronic meeting, 17th-25th January 2022

**Title:** [draft] LS to RAN1 on Inter-UE coordination

**Release:** Rel-17

**Work Item:** NR\_SL\_enh-Core

**Source:** Intel Corporation (to be RAN2)

**To:** RAN1

**Cc:**

**Contact person:** Ansab Ali

**Contact email:** ansab.ali@intel.com

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

# 1 Overall description

RAN2 has discussed various aspects related to inter-UE coordination and would like to inform RAN1 about the following set of agreements regarding scope of future discussion in RAN2:

Agreement on resource allocation enhancements RAN2 scopes:

1: **Inter-UE coordination (IUC) issues (on which) RAN2 mainly relies on RAN1:**

 - HARQ retransmission number for inter-UE coordination information

 - Information and length of information of IUC MAC CE. The information indicated in RAN1 LS should be taken into account as baseline.

 - UE-B procedure (e.g. final selection of resources) to the (non-)preferred resource set in IUC

 - Scheme 2 inter-UE coordination design

 - Condition for the UE-A to transmit IUC

 - Signaling design and trigger conditions for the request from UE-B to UE-A

 - Cast types (UC/GC/BC) of inter-UE coordination

 - Transmission of inter-UE coordination MAC CE on dedicated resource

 - L1 parameters/configurations for IUC in Uu RRC (including L1 configurations per resource pool)

 - Whether UE-A can be in mode1 or mode2 (interested companies are invited to raise/discuss the issue directly in RAN1)

2. **IUC issues (on which) RAN2 starts discussion:**

 - LCP for inter-UE coordination MAC CE, support for standalone inter-UE coordination MAC CE/multiplex MAC CE and MAC SDU in a MAC PDU

 - Timer to handle latency bound for inter-UE coordination

 - Priority value/priority order of inter-UE coordination MAC CE. RAN1 progress can be taken into account in phase-2 discussion.

 - HARQ feedback option of inter-UE coordination MAC CE

3. IUC in SL DRX is deprioritized in Rel-17 from RAN2 point of view

# 2 Actions

**To RAN1**

**ACTION:** RAN1 is respectfully requested to take the above set of agreements into account in their work and provide any feedback as needed.

# 3 Dates of next TSG RAN WG2 meetings

RAN2#117-e 21st February to 03 March 2022, E-meeting

RAN2#118-e 16th to 27th May 2022, E-meeting