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:**

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# 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 the 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.

# 3 Dates of next TSG RAN WG2 meetings

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

ASN.1 review 20th to 22th April 2022, E-meeting

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