**3GPP TSG RAN Meeting #92-e RP-21xxxx**

**Electronic Meeting, June 14 - 18, 2021**

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**Source:** LG Electronics (moderator)

**Title:** Email discussion [92-e-10-Sidelink-Progress] on the progress of Rel-17 NR sidelink enhancement WI

**Document for:** Discussion

# **Introduction**

This contribution summarizes the email discussion [92-e-10-Sidelink-Progress] on the progress of Rel-17 NR sidelink enhancement WI. Input contributions covered RP-211272, 1187 (sidelink part).

# **Discussion: 1st round**

On the inter-UE coordination, the moderator proposes to discuss whether this RAN plenary meeting needs to give some guidance to WGs.

Q1: RP-211274 made the following proposal. Do you think RAN guidance is necessary in this meeting to finalize the supported inter-UE coordination schemes/options in the next RAN1 meeting?

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| Proposal 1: RAN1 finalizes in RAN1#106-e the schemes/options to be supported in Rel-17, which means that those not included in the agreements in RAN1#106-e will not be considered in Rel-17. In an event no options are agreed for a certain scheme, a previous RAN1 agreement of supporting the two schemes is revoked. |

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| Company | Answer | Comment |
| LGE | Neutral | The proposal is about the action to be taken in RAN#93, i.e., those not agreed until then will not be considered in Rel-17. This a guidance on this is not strictly necessary in this RAN, and we propose WGs to consider this for the progress. |
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Q2: RP-211274 made the following proposal. Do you think RAN guidance is necessary in this meeting to down-scope the inter-UE coordination schemes/options?

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| Consider downscoping in consideration of slow progress in inter UE coordination (e.g. by restricting the number of inter UE coordination schemes supported in Rel 17 to one) |

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| Company | Answer | Comment |
| LGE | No | Considering that RAN1 chair’s suggestion when closing the discussion was to have further analysis until the next RAN1 meeting, no down-scoping seems desirable in this RAN meeting. We propose to consider rule out some candidates in the next quarter as proposed in our answer in Q1. |
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Q3: RP-211274 made the following proposal. Do you think RAN guidance is necessary in this meeting to clarify whether WI scope includes so called “hierarchical structure” where one UE schedules the transmission of another UE?

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| Proposal 2: It is clarified that the work scope of the inter-UE coordination is limited to the UE-B operation which includes a resource selection procedure at UE-B. If an operation does not include such resource selection at UE-B, for example, if UE-B receives sidelink grants from UE-A and use them for its own transmission without having some resource selection procedure, it is not included in the work scope. |

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| Company | Answer | Comment |
| LGE | Yes | We think this is a useful clarification to avoid a similar discussion repeated in RAN1. |
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Q4: RP-211274 made the following proposal. Do you think RAN guidance is necessary in this meeting for the progress in the relation between power efficient resource allocation and sidelink DRX?

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| Proposal 3: RAN1 prioritizes completing the power efficient resource allocation that operates in a UE not performing sidelink data reception thus not configured with sidelink DRX. After the power efficient resource allocation design becomes mature, RAN1 considers whether additional work is necessary for a UE configured with sidelink DRX. RAN2 keeps working on completing sidelink DRX design without considering its relationship to sensing until RAN1 responds to the LS. |

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| Company | Answer | Comment |
| LGE | Yes | We think this proposal is a natural one as each of power efficient resource allocation and sidelink DRX should work when the other is not used. |
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Q5: If you think any other RAN guidance is necessary for this section, please specify it.

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