**3GPP TSG-RAN WG1 Meeting #109-e R1-220xxxx**

**e-Meeting, May 9th – 20th, 2022**

**Title: [DRAFT]** Draft reply LS on the inter-UE coordination mechanism

**Response to:** R2-2203695

**Release:** Rel-17

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

**Source:** vivo [RAN1]

**To:** RAN2

**Cc:**

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**Attachments:**

# 1 Overall description

RAN1 thanks RAN2 for the LS asking the definitions of higher layer parameters *priorityScheme1CoordInfoExplicit*, *priorityScheme1Request*, and *priorityScheme1CoordInfoCondition*.

RAN1 introduced these higher layer parameters (*priorityScheme1CoordInfoExplicit*, *priorityScheme1Request*, and *priorityScheme1CoordInfoCondition*) for various purposes relating to priority, including the following:

* Higher layer parameters (*priorityScheme1CoordInfoExplicit, priorityScheme1CoordInfoCondition*) are introduced to determine the priority value for sensing and candidate resource (re-)selection for transmitting the TB carrying the IUC MAC CE, and the priority value in the SCI Format 1-A corresponding to the TB carrying the IUC MAC CE.
  + Note that the priority value for transmitting the TB also depends on other data multiplexed within the TB if any.
* Higher layer parameter (*priorityScheme1Request*) is introduced to determine the priority value for sensing and candidate resource (re-)selection for transmitting the TB carrying the IUC request MAC CE, and the priority value in the SCI Format 1-A corresponding to the TB carrying the IUC request MAC CE.
  + Note that the priority value for transmitting the TB also depends on other data multiplexed within the TB if any.

In detail, the UE follows the behaviour in the RAN1 agreements below:

|  |
| --- |
| *Agreement*   * *For inter-UE coordination information triggered by an explicit request in Scheme 1, the priority value of the inter-UE coordination information is (pre)configured priority value if it is provided by (pre)configuration. Otherwise, the priority value is the same as indicated by UE-B’s explicit request.*   + *For the case when inter-UE coordination information is transmitted together with other data, the priority value of the multiplexed sidelink transmission is determined by the smallest priority value between the inter-UE coordination information and data*   *Agreement*   * *For inter-UE coordination information triggered by an explicit request in Scheme 1, the priority value of explicit request is (pre)configured priority value if it is provided by (pre)configuration. Otherwise, the priority value is the same as that of a TB to be transmitted by UE-B.*   + *For the case when the explicit request is transmitted together with other data, the priority value of the multiplexed sidelink transmission is determined by the smallest priority value between the explicit request and data*   *Agreement*   * *For inter-UE coordination information triggered by a condition other than explicit request reception in Scheme 1, the priority value of the inter-UE coordination information is (pre)configured priority value if it is provided by (pre)configuration.*    + *FFS: Otherwise, the priority value is determined by UE-A’s implementation.*   + *For the case when inter-UE coordination information is transmitted together with other data, the priority value of the multiplexed sidelink transmission is determined by the smallest priority value between the inter-UE coordination information and data* |

Note: It is up to RAN2 to decide whether to fix the priorities of IUC MAC CE and IUC request MAC CE to ‘1’, as well as whether/how to update the related RAN2 specifications.

# 2 Actions

**To RAN2**

RAN1 respectfully asks RAN2 to take the above information into account in related work.

# 3 Dates of next TSG-RAN WG1 meetings

TSG RAN WG1 Meeting #110 August 22nd – 26th, 2022 Toulouse

TSG RAN WG1 Meeting #110bis-e October 10th – 19th, 2022 E-meeting