**3GPP TSG RAN WG1 #101-e R1-200xxxx**

**e-Meeting, May 25th – June 5th, 2020**

**Title: [Draft]** LS to RAN2 on resource allocation Mode-2 agreements related to QoS requirements

**Response to:**

**Release:** Rel-16

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

**Source:** Intel Corporation [RAN1]

**To:** RAN2

**Cc:**

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

RAN1 made the following agreement which is assumed to be captured in MAC specification:

**Agreement 1:**

|  |
| --- |
| * In Step 2, a UE shall select resources so that HARQ retransmission resources can be reserved by a prior SCI, except that   + In case no resource can be found for reservation (e.g., based on the identified candidate set after Step 1) for a retransmission of a TB, the re-transmission can be transmitted on a resource that is not reserved   + After the resource selection is performed, HARQ retransmission on a resource not reserved by a prior SCI is allowed due to transmission dropping caused by prioritization, pre-emption and congestion control |

RAN1 would like to highlight that Agreement 1 is not intended to conflict with the corresponding QoS requirements. If the requirements cannot be met, RAN1 assumes it is up to RAN2 to address accordingly.

Additionally, RAN1 made the following agreement to be captured in L1 specification:

**Agreement 2:**

|  |
| --- |
| * The UE shall indicate min(Nselected, N) first-in-time resources when setting the values of frequency resource assignment and time resource assignment in SCI format 0\_1, where   + Nselected is the number of resources selected by MAC within 32 slots (including the current one)   + N is the maximum number of resources that can be signalled in one SCI |

RAN1 would like to highlight that Agreement 2 is not intended to conflict with the corresponding QoS requirements. If RAN2 sees any issues, RAN2 can inform RAN1 accordingly.

**2. Actions:**

**To RAN2**

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

**3. Date of Next TSG-RAN1 Meetings:**

RAN1#102-bis 12 - 16 October 2020 China, CN

RAN1#103 16 - 20 November 2020 US, US