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

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

**Title: [Draft]** LS to RAN2 on SL\_RESOURCE\_RESELECTION\_COUNTER and period value provided to L1

**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 handles the value range for SL\_RESOURCE\_RESELECTION\_COUNTER in cases of TX periodicity < 100 ms and expects RAN2 to capture it in MAC specification:

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| --- |
| Agreements:   * Reuse LTE rule to calculate C\_resel from SL\_RESOURCE\_RESELECTION\_COUNTER:  * + C\_resel=10\*SL\_RESOURCE\_RESELECTION\_COUNTER  * Introduce the following scaling to SL\_RESOURCE\_RESELECTION\_COUNTER range and inform RAN2 about this decision:   + SL\_RESOURCE\_RESELECTION\_COUNTER is the value randomly selected from the range   (the range as a working assumption)   * Note: this intends to capture details of the RAN1#99 agreement which are still missing in specifications |

In addition, RAN1 made the following two agreements related to periodicity signalling in SCI:

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| --- |
| Agreements:   * A UE is expected to be (pre-)configured with a set *sl-ResourceReservePeriod* containing value of 0 ms   Agreements:   * A UE sets “Resource reservation period” in SCI 1-A to correspond to value of the period provided by higher layers from (pre-)configured set *sl-ResourceReservePeriod*   + RAN1 assumes that at least in cases if higher layer decides not to keep the resource for the transmission in the next period or there is no associated period, then higher layer provides 0 ms periodicity     - Send LS to RAN2 to inform this decision |

Based on this agreement, RAN1 expects that MAC layer provides to PHY layer a proper periodicity value to be signalled in SCI from the set *sl-ResourceReservePeriod*, including cases when periodicity needs to be set to 0 ms.

**2. Actions:**

**To RAN2**

RAN1 respectfully requests RAN2 to specify the aspects related to the provided agreements.

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

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

RAN1#103 16 - 20 November 2020 US, US