**3GPP TSG-RAN WG2 Meeting #109-bis electronic R2-2004074**

**20 – 30 April 2020**

**Title: Draft LS to RAN1 to check the view on sidelink**

**Response to: -**

**Release: Rel-16**

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

**Source: RAN2**

**To: RAN1**

**Cc:**

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** **none**

**1. Overall Description:**

1. RAN2 has reached the agreement that
* “*Keep the parameters sl-NrOfHARQ-Processes-r16 and sl-HARQ-ProcID-offset-r16 in TS 38.331. Remove directly the related Editor’s Note in SL-ConfiguredGrantConfig. How the two parameters are used is further discussed in MAC*”.

RAN2 would like to enquire RAN1 whether the IIoT equation for HARQ process ID calculation, in case of multiple configured uplink grants with *harq-procID-offset*, can be used for NR SL configured grants:

HARQ Process ID = [floor(CURRENT\_symbol / *periodicity*)] modulo *nrofHARQ-Processes* + *harq-ProcID-Offset*

RAN2 has not made any agreement and has no preference on how to calculate the HARQ process ID and how to interpret the parameters i.e. CURRENT\_symbol and periodicity in the equation for NR SL.

1. Regarding the parameters *sl-MinMCS-PSSCH* and *sl-MaxMCS-PSSCH* included in *sl-ScheduledConfig* in TS 38.331, V16.0.0 (corresponding to *minMcs-Mode1* and *maxMcs-Mode1* in R1-2001478), RAN2 made the working assumption that
* “*only one MCS range is configured applying to both dynamic grant and configured grant type 1/2; no configured grant type 1/2 specific MCS range is further needed”.*
1. Regarding the parameter *sl-PSFCH-RB-Set* in TS 38.331, V16.0,0 (corresponding to *rbSetPSFCH* in R1-2001478), RAN2 agreed that
* “*The leftmost bit of the bitmap refers to the lowest RB index in the resource pool*”.

**2. Actions:**

**To RAN1**

1. RAN2 respectfully asks RAN1 to indicate whether the IIoT equation in point 1 above can be used for NR sidelink.
2. RAN2 respectfully asks RAN1 to confirm whether there is any concern on the working assumption made in point 2.

3) RAN2 respectfully asks RAN1 to take point 3 into account and provide feedback, if any.

**3. Date of Next TSG-RAN WG2 Meetings:**

TSG-RAN WG2 Meeting #110 1 –10 June 2020 Electronic

TSG-RAN WG2 Meeting #111 24 – 28 August 2020 Toulouse, France