**3GPP TSG-RAN WG1 #102-e draft R1-2007303**

**e-Meeting, August 17th – August 28th, 2020**

Title: [draft] Reply LS to RAN2 on physical layer related agreements

Response to: R1-2005206 (R2-2005977)

Release: Rel-16

Work Item: 5G\_V2X\_NRSL-Core

Source: Moderator (Intel Corporation) [RAN1]

To: RAN2

Cc:

**Contact Person:**

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

**1. Overall Description:**

RAN1 discussed the following issue from the referred RAN2 LS:

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| 1: RAN2 expects that RAN1 will discuss whether ReTX resources of a MAC PDU are reserved neither right on nor after new TX resource of the next MAC PDU for a configured sidelink grant reserved for a particular Sidelink process. |

The following conclusion was made in this context effectively confirming the above restriction.

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| Agreements:* Conclusion:
	+ RAN1 expects the remaining PDB provided by higher layers is smaller than the resource reservation period (not including 0ms) provided by higher layers
		- No RAN1 specification impact
 |

RAN1 also informs RAN2 about the following decisions that are expected to be implemented in MAC specification:

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| Agreements:* If periodic reservation is in use by a UE, and if pre-emption is enabled in a resource pool, the UE checks pre-emption for resources provided by MAC layer to L1, according to specified procedures
	+ L1 expects that MAC layer provides resources intended for transmission of one TB, which can fit to resource selection window of current TB of the UE, and for which the relevant priority is available
	+ If a resource is pre-empted, a re-selection for the pre-empted resource is triggered based on the specified step 1 and step 2 procedures,
		- with details up to UE implementations, including whether/how to set the reservation period in the re-selected resource
	+ FFS in TP phase how/where to capture this in specification
	+ During the pre-emption checking, j is up to Cresel-1
 |

**[placeholder for other important decisions impacting MAC specification, e.g. P1-1 and P2-4]**

**2. Actions to RAN2:**

RAN1 respectfully asks RAN2 to take the above information into consideration

**3. Date of next TSG RAN WG1 Meetings:**

TSG RAN WG1 Meeting #103-e 26th October – 13th November, 2020, online.

TSG RAN WG1 Meeting #104 1st – 5th March, 2021 GR