**3GPP TSG-RAN WG2 Meeting #113bis-e R2-2104463**

**Electronic, 12th April – 20th April, 2021**

**Title:** Reply LS to RAN1 on SL HARQ-ACK reporting to the gNB

**Response to:** R2-2102624

**Release:** Rel-16

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

**Source:** RAN2

**To:** RAN1

**Cc:**

**Contact Person:**

#### Name: Li Zhao

#### E-mail Address: zhaoli8@huawei.com

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

**Attachments:** none

**1. Overall Description:**

RAN2 would like to thank RAN1 for informing RAN2 of the issue 1 and issue 2 on SL HARQ-ACK reporting to the gNB.

* On Issue 1: RAN2 defines a new parameter *sl-N1PUCCH-AN-Type2-r16* to indicate the HARQ resource for PUCCH for PSCCH/PSSCH transmissions without a corresponding PDCCH on sidelink configured grant type 2.

| *SL-ConfiguredGrantConfig* field descriptions |
| --- |
| ***sl-N1PUCCH-AN-Type2***  This field indicates the HARQ resource for PUCCH for PSCCH/PSSCH transmissions without a corresponding PDCCH on sidelink configured grant type 2. The actual PUCCH-Resource is configured in *sl-PUCCH-Config* and referred to by its ID. |

* On Issue 2: RAN2 agrees to clarify in the field description of *pdsch-HARQ-ACK-Codebook* and *pdsch-HARQ-ACK-CodebookList* that the parameter *pdsch-HARQ-ACK-Codebook* is always used for reporting SL HARQ-ACK information.

**2. Actions:**

**To RAN1**

**ACTION:**  RAN2 respectfully asks RAN1 to take the above information into account.

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

TSG RAN WG2 Meeting #114-e 19 May – 27 May 2021 e-Meeting

TSG RAN WG2 Meeting #115-e 16 August – 27 August 2021 e-Meeting