**3GPP TSG RAN WG1 Meeting #103-e R1-20xxxxx**

**E-meeting, 26 October – 13 November, 2020**

**Title: [DRAFT] Reply LS on definition of NR V2X con-current operation**

**Response to: R4-2011713 (R1-2007503)**

**Release: Rel-16**

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

**Source: Huawei [RAN1]**

**To: RAN4**

**Cc: RAN2**

**Contact person: Matthew Webb**

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**Attachments: None**

# 1 Overall description

RAN1 thanks RAN4 for requesting a check on whether RAN1 is aligned with the current RAN4 definition of con-current operation in NR V2X:

***Con-current operation:*** *The simultaneous transmission and reception of sidelink and Uu interfaces while operation is agnostic of the service used on each interface.*

For the case of inter-band con-current operation, RAN4’s definition is aligned with RAN1’s understanding.

For the case of intra-band con-current operation, sidelink transmission will occur only in uplink resources and will have no dependency on downlink, i.e. there would be no simultaneous *reception* of sidelink and Uu interfaces. Therefore the definition of intra-band con-current operation should be restricted to simultaneous transmission and reception of sidelink with transmission of uplink.

# 2 Actions

**To RAN4**

**ACTION:** RAN1 respectfully asks RAN4 to update the definition of con-current operation in the intra-band case to be limited to the simultaneous transmission and reception of sidelink with transmission of uplink.

# 3 Dates of next RAN1 meetings

RAN1#104-e 25 January – 5 February, 2021 E-meeting

RAN1#104-bis-e 12 – 20 April, 2021 E-meeting