**3GPP TSG-RAN4 WG4 Meeting # 97-e *draft R4-2016807***

**Electronic Meeting, 2nd – 13th November, 2020**

**Title:** draftLS on SL switching priority

**Response to:**

**Release:** Release 16

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

**Source:** RAN WG4

**To:** RAN WG1，RAN WG2

**Cc:**

**Contact Person:**

#### Name: Rui Zhou

E-mail Address: zhourui1@xiaomi.com

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

**1. Overall Description:**

The TX switching between LTE Sidelink and NR Sidelink is an important scenario in the PC5 interface. RAN WG4 is working on the location of the switching period as whether to locate the switching period in NR slot or LTE sub-frame. During the discussion, the priority issue between LTE SL and NR SL has been raised to justify the solution while there is no common understanding between companies.

For clarification, RAN WG4 respectfully asks RAN WG1 and RAN WG2 to clarify the priority between LTE SL and NR SL with following four questions as:

Question 1: Is there priority defined for LTE SL and NR SL?

Question 2: How does RAN WG1 define the priority of LTE SL and NR SL? For example, which parameter is used and how to determine the priority?

Question 3: Is it the case that there is no higher priority for LTE SL than NR SL?

Question 4: About the switching period position, RAN4 has concluded these following potential options:

Option 1: The whole switching time including transient period should be placed at NR slot.

Option 2: The whole switching time including switching period as well as transient periods shall be placed at the previous E-UTRA sub-frame or NR slot.

Option 3: Determine the switching period location based on priority information.

Option 4: Decide switching position in RF session to inform to RRM session.

Option 5: Leave to UE implementation.

Option 6: Place the switching time including transient periods in one separate slot between LTE subframe and NR slot. The switching period is placed within the separate slot excluding where the transient periods are located.

Could RAN1 please check which options have impact on current RAN1 design and is not acceptable? Preference on these options or new option proposed by RAN1 is also welcome.

**2. Actions:**

**To: 3GPP TSG RAN WG1**

**ACTION:** RAN WG4 respectfully asks RAN WG1 and RAN WG2 to clarify the priority between LTE SL and NR SL and feedback on switching period position with the questions as captured above.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG-RAN4 Meeting#98 25th Jan – 5th Feb 2021 Electronic Meeting

TSG-RAN4 Meeting#98-bis 12th – 20th April 2021 Electronic Meeting