3GPP TSG-RAN WG4 Meeting #102-e R4-22xxxxx

**Electronic Meeting, Feb. 21- Mar.3, 2022**

**Agenda Item: 6.24**

**Source: OPPO**

**Title: WF on NR SL relay RRM**

**Document for: Approval**

# **Introduction**

This is the WF to capture all agreements and open issues in [102-e][234] NR\_SL\_relay email discussion for RAN4#102-e meeting.

# **Sub-topic 1-1:** **Interruption requirements**

***Whether to further consider the additional conditions on interruption requirements of SL relay?***

[Moderator:] Firstly we have agreed in RAN4#101 meeting that RAN4 does not consider DRX related requirements for SL-Relay in Rel-17. RAN4 defines the interruption requirements at discovery configuration based on R16 V2X sidelink assumption.

Even though for Rel-17 SL enhancement the applicability rules for interruptions to WAN due to SL DRX are agreed to be considered for some cases in Thu. GTW (e.g., reception of paging, reception of system information under SL resource allocation mode 2), they are not applicable to SL relay because we only consider the interruption requirements at discovery configuration. Especially, for interruption requirements to WAN due to V2X Sidelink Communication in Rel-17 SL enhancement, no interruption avoidance and additional applicability rules for interruptions are defined as well.

Based on the majority view, we suggest for R17 NR sidelink relay RAN4 does not consider additional conditions for the interruption requirements at NR sidelink discovery configuration.

*Candidate options in 1st round discussion:*

* + *Option 1 (5 companies): For R17 NR sidelink relay, RAN4 does not consider additional conditions for the interruption requirements at NR sidelink discovery configuration*
  + *Option 2 (1 companies): The interruption requirements in this clause shall not apply if at least one of the following conditions is met:*
* *T310 timer is running for RLF on PCell,*
* *Performing candidate beam detection on PCell/serving cell as specified in section 8.5.5 and 8.5.6,*
* *While receiving paging and*
* *While receiving system information.*

*Tentative agreements:*

RAN4 does not consider additional conditions for the interruption requirements at NR sidelink discovery configuration.

# **Reference**

[1] R4-2206777, Email discussion summary for [102s-e][234] NR\_SL\_relay, Moderator (OPPO), RAN4#102e

[2] R4-2115373, WF on R17 NR SL Relay RRM, OPPO, RAN4#100e

[3] R4-2120337, WF on R17 NR SL Relay RRM, OPPO, RAN4#101e

[4] R4-2202706, WF on R17 NR SL Relay RRM, OPPO, RAN4#101-bis-e