3GPP TSG-RAN WG2 #110-e TDoc R2-2xxxxxxx

**Online, 1st – 12th June 2020**

Agenda Item: 6.4.2.2

Source: ZTE, Sanechips

Title: Summary of NR V2X cell (re-)selection related contributions

Document for: Discussion, Decision

# Introduction

In this contribution, we will give a summarize of all contributions related to NR V2X cell selection/ reselection, which is based on the following contributions.

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| TDoc No. | Title | Source |
| R2-2004579 | Correction for reselection priority handling for V2X communications in 36.304 | Ericsson, ZTE, Sanechips |
| R2-2004798 | Correction for reselection priority handling for V2X communications in 38.304 | Ericsson, ZTE, Sanechips |

In details, all proposals raised in those contributions are quite essential at this stage. Thus, all issues listed out in the following are marked with essential.

# Discussion

**- Issue 1 [Essential]: “Only performing NR/V2X sidelink communication” is not accurate**

According to the description in [1] and [2], when one says “UE is configured to perform only NR sidelink communication/ V2X sidelink communication”, the intention is to say among NR V2X sidelink communication and LTE V2X sidelink communication, UE may only configured to perform one RAT of sidelink communication. However, when “only” is used in the specification without any further context, it not only excludes that UE is configured to perform the other RAT of SL communication, but also excludes that UE is configured to perform Uu communication, which is not our original intention. Thus, it is suggested that the wording in the sentences:

- “UE is configured to perform only NR sidelink communication”

- ”UE is configured to perform only V2X sidelink communication”

should be modified as:

-”UE is configured to perform NR sidelink communication and not V2X sidelink communication”

-”UE is configured to perform V2X sidelink communication and not NR sidelink communication”

**Proposal 1: RAN2 should discuss that for the below sentence:**

**- “UE is configured to perform only NR sidelink communication”**

**- ”UE is configured to perform only V2X sidelink communication”**

**whether it is necessary to be modified as**

**-”UE is configured to perform NR sidelink communication and not V2X sidelink communication”**

**-”UE is configured to perform V2X sidelink communication and not NR sidelink communication”**

**in both TS 38.304 and TS 36.304.**

# Conclusion

In this contribution, we have summarized all principle opinions from NR V2X cell selection/reselection contributions, the proposal has been provided in the following:

**Proposal 1: RAN2 should discuss that for the below sentences:**

**- “UE is configured to perform only NR sidelink communication”**

**- ”UE is configured to perform only V2X sidelink communication”**

**whether it is necessary to be modified as**

**-”UE is configured to perform NR sidelink communication and not V2X sidelink communication”**

**-”UE is configured to perform V2X sidelink communication and not NR sidelink communication”**

**in both TS 38.304 and TS 36.304.**

# References

[1] R2-2005076 Correction for reselection priority handling for V2X communications in 36.304 Ericsson, ZTE, Sanechips

[2] R2-2005077 Correction for reselection priority handling for V2X communications in 38.304 Ericsson, ZTE, Sanechips