3GPP TSG RAN Meeting #99
Rotterdam, Netherlands, March 20 – 23, 2023

RP-230103

Title: On the work scope of Rel-18 NR sidelink evolution

Agenda item: 9.3.1.5
Source: Samsung
Document for: Decision

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Background

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- **According to the WID, whether WGs can start specification works for SL-CA (Objective #1) or not should be decided:**

1. Specify mechanism to support **NR sidelink CA operation** based on LTE sidelink CA operation [RAN2, RAN1, RAN4]

(This part of the work is put on hold until **further checking in RAN#99**)

- **Overall progress of Rel-18 NR SL evolution is quite behind schedule**
  - RAN1 has done normative works for SL-U (Objective #2) and co-channel coexistence (Objective #4) from the beginning, i.e., 2Q.2022, but there are still too many issues to be resolved for both objectives.
  - RAN1 study for SL over FR2 licensed spectrum (Objective #3) just started in 1Q.2023 and some of high-level design principles were agreed only.

- **It is impossible to study and/or specify all 4 objectives taking into account the workload and the allocated 2TU.**

Proposal

- **SL-CA (Objective #1) is dropped from the scope of Rel-18 and can be considered in Rel-19**

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Thank you