

3GPP TSG RAN #97-e

E-meeting, September 12th - 16th, 2022

Agenda Item: 9.3.1.5

Document for: Decision

Discussion on Rel-18 NR sidelink evolution

NTT DOCOMO, INC.

■ WID description (RP-221798)

4 Objective

...

To check in RAN#97 for objectives 1 and 3, taking into account the progress on objectives 2 and 4, aiming to have specification work for both objective 1 and 3.

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#97)
...
2. Study and specify support of sidelink on unlicensed spectrum for both mode 1 and mode 2 where Uu operation for mode 1 is limited to licensed spectrum only [RAN1, RAN2, RAN4]
...
3. Study and specify enhanced sidelink operation on FR2 licensed spectrum [RAN1, RAN2, RAN4] (This part of the work is put on hold until further checking in RAN#97)
...
4. Study and specify, if necessary, mechanism(s) for co-channel coexistence for LTE sidelink and NR sidelink including performance, necessity, feasibility, and potential specification impact if any [RAN1, RAN2, RAN4]
...

...

■ Checkpoint for four objectives (SL-CA, SL-U, SL-FR2, Coex)

- There would be no/little room to add other objectives
 - » SL-U/Coex were discussed at the last two WG meetings
 - » Although high-level agreements were reached for these two topics, it seems that SL-U/Coex requires full/most time from the allocated TUs to complete specifying these topics in Rel-18
- One or more objectives should be deprioritized
 - » Based on the above situation, at least endorsing to start both SL-CA and SL-FR2 with continuing SL-U/Coex would not be realistic decision
 - » For example, only either SL-CA or SL-FR2 is dropped; and/or Coex is determined to quit at this plenary meeting; etc.

Proposal: Discuss and conclude which objective(s) is dropped from Rel-18 NR sidelink evolution

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