3GPP TSG RAN 95E
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Agenda Item 9.5.1.7

Views on Rel-17 Redcap RRM requirements

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Background

- Status of RAN4 RRM session for Redcap discussion

- RAN4 has worked on RRM core requirements for Redcap in the Rel-17 timeframe, but not all open issues can be concluded in RAN4#102e meeting.
- In our observation, reasons that make RAN4 discuss inefficient include
  - Flexible deployment for CD-SSB and NCD-SSB, e.g., whether UE can always expect SSB in the active DL BWP or if not whether UE should expect a measurement gap to go back to the CD-SSB for measurement
  - There are some features or requirements which are not clear whether Redcap UE needs to support and whether RAN4 need to specify requirements for them
- An exception sheet is needed to list the issues that are allowed for continue discussion. And it is the responsibility of **RAN Plenary to guarantee that the all issues listed in the exception sheet can be concluded in the next quarter**.
- Therefore, in this paper we provide our view on which feature/scenarios should be precluded in the exception sheet to ensure all works can be done in one more RAN4 meeting

Discussion and Proposal

- In the table below, we provided our view on which features/scenarios should be precluded in the exception sheet.

Features/scenarios to be precluded	Reason(s)
SSB-less active DL BWP ○ No SSB (CD or NCD) in UE's active BWP for both serving and neighboring cells (e.g., for measurement, handover, timing, RLM/BFD/CBD/L1-RSRP)	• Narrow down the scenarios to be discussed in RAN4 requirements • Focus on the baseline UE behavior, which always assumes SSB in the active DLBWP
More than one SSB in active DL BWP	Not a typical deployment scenario
CSI-RS L3 measurement	Not essential and not a baseline UE beahvior
Inter-frequency measurement without gap (Rel-16)	Not essential and not a baseline UE beahvior
LTE and NR positioning	Not in R4 spec at this moment. Not technical discussions in Rel-17 for specifying requirements

- **Proposal 1:** The following features and scenarios should be precluded in the exception sheet for Rel-17 Redcap: SSB-less active DL BWP, More than one SSB in active DL BWP, CSI-RS L3 measurement, Inter-frequency measurement without gap and LTE/NR positioning

Thank You!