**3GPP TSG RAN Meeting #93-e RP-21xxxx**

**Electronic Meeting, September 13-17, 2021**

**Agenda item:** 9.3.1.1

**Source:** Moderator (Samsung)

**Title:** Moderator’s summary for email discussion [93-e-08-feMIMO-Scope]

**Document for:** Discussion and Decision

1. Introduction and background

Per chairman’s instruction, the goal and pertinent contributions for this email discussion is as follows:

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| --- | --- | --- | --- |
| [93e-12-feMIMO-Scope] | RP-211677 (RAN4 LS), 1789 (Samsung), 2023 (vivo), 2126 (Ericsson) | Eko Onggosanusi, Samsung | 9.3.1.1 |

The following topics have been discussed in the above contributions:

* (1789, 2023) Overall progress of Rel-17 NR\_FeMIMO:
  + It was pointed out that the overall progress is good per the outcome RAN1#106-e.
  + No discussion is needed on this topic
* (All) Failure to reach consensus on the scope of one of the RAN4 WID objectives (link recovery procedure in FR2 serving cell): “*Investigate if the requirements on link recovery procedure is suitable for FR2 serving cells [RAN4]*”
  + The RAN4 LS RP-211677 requested that RAN discuss and clarify the scope of this objective.
  + More specifically, RP-211789, and 2023 mentioned two alternatives for RAN to choose from (either requiring WID revision):
    - Alt1. Remove this objective from the WID
    - Alt2. Revise this objective with a more specific (clearer) and agreeable scope
  + RP-212126 proposes that RAN remove this objective (i.e. Alt1)
  + Discussion is needed on this topic

1. Initial round

During the initial round, interested companies are encouraged to share their view on the following:

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| --- |
| Please review section 1 for background summary.  Q1. In regard of the WID objective “*Investigate if the requirements on link recovery procedure is suitable for FR2 serving cells [RAN4]*”, please share your view and preference between these two alternatives:   * Alt1. Remove this objective from the WID * Alt2. Revise this objective with a more specific (clearer) and agreeable scope   + If this is your preference, what would be a proper clarification on the scope? |

* 1. Compilation of companies’ inputs

Table 1 Inputs

|  |  |
| --- | --- |
| **Company** | **View** |
| Mod V0 | **Please share your view on the above Q1** |
| vivo | Our preference is alt1, i.e., to remove the objective in question from WID |
| Huawei, HiSilicon | For Q1, consider the left time for R17 and the workload, we are fine to remove it.  By the way, in our contribution (2146), we also discussed a few topics are progress slow, e.g., fast UL panel selection/switching and advanced beam refinement/tracking. For UL panel selection/switching, till now there is no fundamental agreements, and is still discussing panel definition. For advanced beam refinement/tracking, it is still in study phase. In the last two meetings, they may be difficult to be completed. So, may consider to postpone them to R18. |

* 1. Summary and moderator proposals

During the initial round, based on the collected inputs in section 2.1, the following **observation** can be made:

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| **Proposed way forward (WF) 1 (after the initial round)**:  *On the scope of Rel-17 NR\_FeMIMO:* |

1. Intermediate round
   1. Summary and moderator proposals
   2. Summary and moderator proposals

# References

1. RP-211586 Revised WID: Further enhancements on MIMO for NR Samsung