

3GPP TSG RAN#103

Maastricht , NL, March 18-21, 2024

RP-240110

Agenda Item: 9.1.4.4

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Views on R19 candidate RRM topics

Recommendations for R19 RRM(1)

Items	Recommendations based on High level suggestions from RAN#102 moderator summary[1]	Comments
FR2 RRM delay reduction	<ul style="list-style-type: none"> • General RRM delay reduction enhancement (high priority) • L3 measurement delay reduction with reduced RX beam sweeping (high priority) • FR2 unknown SCell activation delay reduction based (high priority) 	General RRM delay reduction has overlapping parts with L3 measurement delay reduction , they could be merged together
Gap enhancement	<ul style="list-style-type: none"> • Parallel measurement with NCSG (medium priority) • Pre-configured NCSG (low priority) • Combination of different gap types, e.g., Pre-MG and NCSG and combination of gap enhancement and other features, e.g., NTN, POS, MUSIM(low priority) • Introduce of more scenarios, e.g., MR-DC (low priority) 	
Redcap related enhancement	<ul style="list-style-type: none"> • Specify eDRX requirements for non-RedCap UEs in Rel-19 for all the missing cases based on Rel-17 and Rel-18 eDRX procedures e.g. under RRC inactive state, SDT etc (medium priority) • Extend the R17 RLM/BFD relaxation requirements to RedCap UEs (high priority) 	Extend the R17 RLM/BFD relaxation requirements to RedCap UEs should include R18 eRedcap

Recommendations for R19 RRM(2)

Items	Recommendations based on High level suggestions from RAN#102 moderator summary	Comments
L3 measurement enhancement for FR1+FR2	<ul style="list-style-type: none">Enhanced CSSF for L3 measurement outside gap in FR1+FR2 scenario (medium priority)	
A-TRS based RRM measurement	<ul style="list-style-type: none">HO (incl.LTM), SCell activation, Pscell addition/change and others (medium priority)TCI state switch delay (medium priority)	
EMR+Fast Scell configuration and activation/deactivation	<ul style="list-style-type: none">Fast Scell activation with EMR reports upon UE enters connected mode (high priority)Define the measurement accuracy requirements for fast Scell configuration (medium priority)	

[1] RP-233951, “Moderator's summary for RAN4 Candidate Demodulation/RRM Topics for Rel-19”.Vivo,3GPP RAN#102,Dec,2023

Thanks