

3GPP TSG RAN meeting #101

RP-232077

Bengaluru, India, September 11 - 15, 2023

Agenda Item: 8A.2.6

Document for: Discussion

Views on Rel-19 Mobility enhancements

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- Use cases we should focus on as an operator
 - Industrial communication system
 - » Remote control of industrial equipment
 - » Factory automation
 - Real-time and interactive services
 - » AI-based services
 - » XR-services

- Improve mobility functionality of the above use cases
 - Improve robustness of mobility
 - Reduction of interruption time/latency that leads lower throughput
 - Low interruption + robustness simultaneously

- We would like to support effective items through discussion, etc.

Topic	Potential enhancement	Motivation
LTM enhancement	Support inter-CU, inter-SN, conditional execution, PCell change with SCG; Support measurement/beam reporting enhancement, <ul style="list-style-type: none"> • a) CSI-RS as measurement RS • b) L1-SINR as measurement quantity • c) UE/event-triggered L1 measurement/reporting 	Expanding the scenario leads to maximizing the gain of this feature. Rel-18 leftover needs to be considered.
Selective activation enhancement	Support MCG scenario	Expanding the scenario leads to maximizing the gain of this feature.
CHO enhancement	RACH enhancement	RACH-less, etc. discussed in LTM can also be considered in CHO.

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