

3GPP TSG RAN Rel-19 workshop
Taipei, June 15 - 16, 2023

Agenda Item : 5
Source : InterDigital, Inc.
Title : Views on Mobility enhancements for
Rel-19
Document for : Discussion

CREATE
CONNECT
LIVE
inspire



LTM enhancements

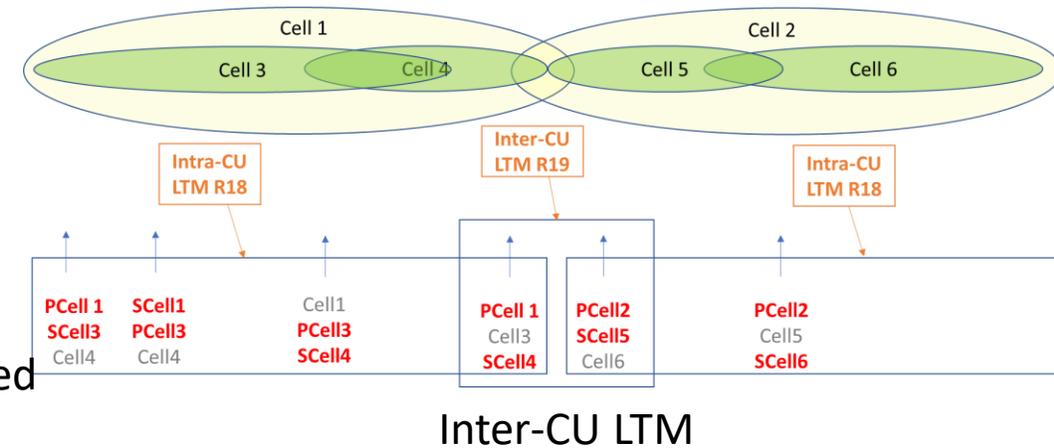
Motivation

R18 introduces basic functionality for L1/2-triggered mobility (LTM)

- Applicability is limited to intra-CU scenarios

Proposed enhancements for R19

- Address additional scenarios
 - Inter-CU scenario
 - LTM enhancements for other features, e.g. UAV (e.g. height-based candidate set), IAB, NES.
- Improve robustness
 - UE-triggered LTM (CHO) for improved robustness
 - Enhancements targeting FR2, e.g. BFR on non-serving cell
- R18 leftovers, e.g.
 - Measurement improvements (e.g. L1 Event triggered reporting, reporting overhead reduction)
 - MAC partial reset (HARQ continuation)



Other mobility enhancements

Motivation

Improve usability of conditional handover (CHO) feature to improve robustness in more scenarios

- R18 supports selected activation of SCG only

Proposed enhancements for R19

- Selective activation of MCG
- CHO enhancements for FR2