3GPP TSG-RAN WG2 Meeting #123bis R2-2xxxxxx

Xiamen, China, October 9th – 13th, 2023

Source: Session Chair Johan (MediaTek)

Title: Report from session on Mobility Enh, Mobile IAB and LP-WUS

Schedule: See main Schedule on the server  
New tdocs Range R2-2311330 - R2-2311369

Offline Disc Range [500]-[599]

# Offline Discussions

# Reference documents

Session Chair: These reference docs are duplicate-listed here as they need to be taken into account, but they are treated under AI 7.0.1 and 7.0.3.

[R2-2309417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309417.zip) LS on Rel-18 RAN1 UE features list for NR after RAN1#114 (R1-2308523; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-18 NR\_MIMO\_evo\_DL\_UL, NR\_pos\_enh2, Netw\_Energy\_NR, NR\_netcon\_repeater, NR\_NTN\_enh, NR\_Mob\_enh2, NR\_SL\_enh2, NR\_redcap\_enh, NR\_MC\_enh, NR\_XR\_enh, NR\_FR1\_lessthan\_5MHz\_BW, NR\_DSS\_enh, NR\_BWP\_wor, NR\_cov\_enh2, TEI18 To:RAN2 Cc:RAN4

[R2-2310023](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310023.zip) Running UE capability CR on 38.306 for Rel-18 R1 R4 feature lists Intel Corporation draftCR Rel-18 38.306 17.6.0 NR\_MIMO\_evo\_DL\_UL, NR\_netcon\_repeater, NR\_DSS\_enh, NR\_MC\_enh, NR\_FR1\_lessthan\_5MHz\_BW, NR\_BWP\_wor, NR\_redcap\_enh, TEI18

[R2-2310024](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310024.zip) Running UE capability CR on 38.331 for Rel-18 R1 R4 feature lists Intel Corporation draftCR Rel-18 38.331 17.6.0 NR\_MIMO\_evo\_DL\_UL, NR\_netcon\_repeater, NR\_DSS\_enh, NR\_MC\_enh, NR\_FR1\_lessthan\_5MHz\_BW, NR\_BWP\_wor, NR\_redcap\_enh, TEI18

[R2-2309434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309434.zip) LS on Rel-18 higher-layers parameter list (R1-2308674; contact: Ericsson) RAN1 LS in Rel-18 NR\_MC\_enh-Core, NR\_MIMO\_evo\_DL\_UL-Core, NR\_pos\_enh2-Core, Netw\_Energy\_NR, NR\_cov\_enh2, NR\_XR\_enh-Core, NR\_Mob\_enh2, NR\_BWP\_wor-Core, NR\_NTN\_enh, IoT\_NTN\_enh-Core, TEI18 To:RAN2, RAN3 Cc:RAN4

## 7.4 Further NR mobility enhancements

(NR\_Mob\_enh2-Core; leading WG: RAN2; REL-18; WID: RP-223520)

Time budget: 2 TU

Tdoc Limitation: 6 tdocs .

Running CR rapporteurs are encouraged to actively drive CR progress (can e.g. suggest to chair how to treat).

### 7.4.1 Organizational Stage-2 and UE caps

Including LSs and any rapporteur inputs (e.g. work plan, running CRs update for common Running CRs). Including performance impacts, e.g. for LTM and potential elaboration on the components of the LTM latency time line, if needed. Including impacts to and expectations of other groups.

Including outcome of [Post123][054][feMob] Stage-2 Signalling Open Issues and Running CR 37340 (ZTE)

Including RAN2 features and related UE caps. Plese take into account RAN1 and RAN4 features which are handled in Rel-18 common AI 7.0.   
Including other issues, if any

LS in

LTM

[R2-2309414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309414.zip) Reply LS on L1 measurements for LTM (R1-2308465; contact: Ericsson) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

[R2-2309426](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309426.zip) LS on L1 measurement and TA management for LTM (R1-2308625; contact: CATT, Fujitsu, MediaTek) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2, RAN3, RAN4

[R2-2309457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309457.zip) Reply LS on PDCCH order RACH on neighbour cell (R4-2314454; contact: CATT) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN1 Cc:RAN2

[R2-2309458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309458.zip) Reply LS on beam application time and UE based TA measurement for LTM (R4-2314455; contact: Ericsson RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN1 Cc:RAN2, RAN3

Stage-2

37340

[R2-2309830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309830.zip) 37.340 running CR for introduction of NR further mobility enhancements ZTE Corporation, Sanechips draftCR Rel-18 37.340 17.6.0 B NR\_Mob\_enh2-Core

[R2-2309832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309832.zip) Open issue list on 37.340 running CR ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

38300

[R2-2310360](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310360.zip) 38.300 running CR for introduction of NR further mobility enhancements MediaTek Inc., vivo draftCR Rel-18 38.300 17.6.0 B NR\_Mob\_enh2-Core

[R2-2310361](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310361.zip) Stage-2 TP for Early Synchronization MediaTek Inc. discussion

UE capabilites

[R2-2310028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310028.zip) 38.306 running draftCR for introduction of NR further mobility enhancements Intel Corporation draftCR Rel-18 38.306 17.6.0 NR\_Mob\_enh2-Core

[R2-2310029](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310029.zip) 38.331 running draftCR for UE capability of NR further mobility enhancements Intel Corporation draftCR Rel-18 38.331 17.6.0 NR\_Mob\_enh2-Core

[R2-2310033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310033.zip) Discussion on L2/3 UE capabilities for NR further mobility enhancements Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311000.zip) UE capability for LTM and leftover stage 2 issues Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.2 L1L2 Triggered Mobility

#### 7.4.2.1 Control Plane and RRC

(WID: Configuration and maintenance for multiple candidate cells to allow fast application of configurations for candidate cells [RAN2, RAN3]).   
General LTM discussions (incl all aspects), if needed. RRC impact and solutions, stage-3 oriented: companies are encouraged to illustrate proposals by Text Proposals. Including the RRC LTM running CR. Including the outcome of [Post123][056][feMob] LTM Running CR RRC (Ericsson).

Including   
1) R2 centric issues : LTM config and execution (candidate + ref, applying complete config) etc  
2) R1-centric issues: e.g. reflecting RRC parameters (CSI, TCI, TA) from RAN1, and decision on the two options on CSI report provided by RAN1.

LTM RRC CR

[R2-2310885](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2310885.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310885.zip) RRC running CR for LTM Ericsson draftCR Rel-18 38.331 17.6.0 B NR\_Mob\_enh2-Core

[R2-2310886](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310886.zip) RRC open issues list for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

Procedure Coexistence etc

E.g. coexistence with other mobiltiy procedures. Offline long email to next meeting.

[R2-2310887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310887.zip) Discussion of remaining RRC open issues for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310399](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310399.zip) L3 handover with LTM configuration Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310802](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310802.zip) Coexistence of LTM and L3M/CHO Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

L1 related RRC handling and configuration

CSI Meas Report config, measurment RS/resource config, TCI, (inside outside containers?), SMTC?, Early RACH resource (Freq SSB BWP RO?) TCI early activation, TCI indication, CFRA resource indication, etc. Follow RAN1-suggested modelling or not?

Treat offline first, review current CR, consider comments in meeting inputs.

- Ericsson think that we can treat also L2L3 config and Bearer mapping but with lower priority

* [AT123bis][505][feMob] LTM RRC (Ericsson)

Scope: Discuss and converge on L1 related RRC handling and configuration, can also pre-discuss with lower prio L2L3 related RRC handling and configuration, and bearer remapping/handling for DC.

Intended outcome:

Deadline: CB acc to Meeting schedule (for L2L3 RRC handling and config and DC CB wed morning).

[R2-2310888](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310888.zip) Early sync and L1 measurements Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309916](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309916.zip) Discussion on L1 related issues for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310371.zip) Discussion on RRC open issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309710](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309710.zip) Discussion on RRC centric open issues LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310999](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310999.zip) RRC aspects for LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309719.zip) Discussion on LTM procedures vivo discussion Rel-18 NR\_Mob\_enh2-Core

L2L3 related RRC handling and configuration

RRC Configurations in general: ref config, cand config, complete config, procedure, use of existing delta configuration. Need Codes N, R, S, Configurations to determine L2 reset.

Treat Online

[R2-2309720](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309720.zip) RRC configuration for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310200](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310200.zip) LTM Configuration and Execution MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2

[R2-2309834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309834.zip) Remaining issues on LTM RRC ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310579.zip) Remaining issues of RRC configured Layer-2 reset Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core R2-2307669

[R2-2310624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310624.zip) Discussion on RRC aspects of LTM Samsung discussion

[R2-2310619](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310619.zip) Discussion on RRC aspects for L1/L2-Triggered Mobility Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311124.zip) Remaining issues for RRC Aspects of LTM SHARP Corporation discussion Rel-18 NR\_Mob\_enh2-Core

Failure Handling

[R2-2310633](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310633.zip) On Failure Handling for Rel-18 LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311210.zip) LTM Cell Switch Aspects Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310803](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310803.zip) Fast RLF for LTM execution Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

DC CA and Bearer Remapping  
MCG LTM, SCG LTM, CA scenarios

Treat Online

[R2-2309915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309915.zip) Discussion on RAN2 centric issues for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309833.zip) Consideration on LTM in NR-DC ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311095.zip) RRC aspects of LTM Qualcomm Incorporated discussion

[R2-2310634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310634.zip) On SCG Release in Rel-18 LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309581.zip) RB Reconfig for MCG LTM and Clarification on SCG LTM NEC discussion NR\_Mob\_enh2-Core

[R2-2310372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310372.zip) Discussion on SCG LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309931.zip) Analysis on SCG LTM Lenovo discussion Rel-18

[R2-2311211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311211.zip) On bearer handling in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

Security – Avoiding Key Stream Reuse

[R2-2310398](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310398.zip) Remaining issue on LTM cell switch procedure Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

Further elaborations

Measurements

[R2-2310278](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310278.zip) Discussions on LTM related measurements CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309580.zip) L1 measurement report to support LTM NEC discussion NR\_Mob\_enh2-Core

Misc

[R2-2310339](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310339.zip) CFRA and CG configuration aspects in LTM Apple discussion Rel-18 NR\_Mob\_enh2-Core

Enhancements

[R2-2310400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310400.zip) Failure detection and fast recovery Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310440.zip) Prioritizing of LTM candidate cells Rakuten Symphony discussion Rel-18

[R2-2310473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310473.zip) Security impacts of intra gNB, inter gNB-CU-UP relocation Rakuten Symphony discussion Rel-18

[R2-2310538](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310538.zip) Miscellaneous issues of L1/L2 Triggered Mobility Rakuten Symphony discussion Rel-18

[R2-2310983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310983.zip) Fast cell recovery aspects for LTM failures Panasonic discussion Rel-18

[R2-2311091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311091.zip) Conflict between LTM triggering and legacy RRC messaging Qualcomm Incorporated discussion

#### 7.4.2.2 L2 centric parts

General LTM discussions (incl all aspects) where the main issue/discussion point is L2 centric, if needed. Including L2 and MAC impacts (Stage-3 oriented) and remaning issues for dynamic cell switch not addressed by subclause above. Including the MAC Running CR.

MAC

Treat online

[R2-2309869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309869.zip) 38.321 running CR for introduction of NR further mobility enhancements Huawei, HiSilicon draftCR Rel-18 38.321 17.6.0 NR\_Mob\_enh2-Core

[R2-2309870](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309870.zip) Rapporteur proposals to address open issues in MAC running CRs (open issue list) Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

=> Revised in [R2-2311250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311250.zip)

[R2-2311250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311250.zip) Rapporteur proposals to address open issues in MAC running CRs (open issue list) Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309546](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309546.zip) Discussion on L2 Centric Parts CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309711](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309711.zip) Discussion on CFRA based LTM LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309721](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309721.zip) Contents of LTM MAC CE and other MAC related issue for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309769](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309769.zip) Cell Switching – Open Issues Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309770](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309770.zip) Early Timing Advance Management for LTM - Open Issues Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309871.zip) Early TA acquisition and LTM MAC CE format Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309894](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309894.zip) RAN2 aspects of RACH-based early TA acquisition Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309895](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309895.zip) The completion of RACH-less LTM Cell switch Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309996.zip) Remaining issues to support PDCCH-ordered RACH for early TA acquisition LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310018.zip) Discussion on remaining issues for LTM cell switch command Transsion Holdings discussion Rel-18

[R2-2310099](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310099.zip) Some views On Remaining L2 centric issues for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310338.zip) On closing L2 centric open issues in LTM Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310373](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310373.zip) Discussion on L2-centric issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310392.zip) RACH-Less LTM MediaTek Inc. discussion

[R2-2310580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310580.zip) RACH-less LTM and early TA Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310581.zip) Remaining issues for RACH-based LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core R2-2307671

[R2-2310646](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310646.zip) Discussion on L2 centric part of LTM NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310739](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310739.zip) Discussions on TA acquisition and indication for Rach-less LTM KDDI Corporation discussion Rel-18

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[R2-2310763](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310763.zip) RACH-less solution and TA indication for LTM Sony discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310804](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310804.zip) TA indication Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310889.zip) Remaining MAC issues Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311001.zip) RACH-less LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311093.zip) Discussion on early TA acquisition and RACH-less LTM Qualcomm Incorporated discussion

[R2-2311094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311094.zip) L2 aspects of LTM Qualcomm Incorporated discussion

[R2-2311105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311105.zip) Discussion on LTM related MAC CE NTT DOCOMO, INC. discussion Rel-18

[R2-2311145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311145.zip) Remaining issues for Early TA acquisition of RACH-less LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311146.zip) Remaining issues for L2 centric parts of LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309582](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309582.zip) Remaining issues for RACH less LTM cell switch NEC discussion NR\_Mob\_enh2-Core

Moved here

[R2-2310017](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310017.zip) Discussion on remaining issues of LTM cell switch procedure Transsion Holdings discussion Rel-18

Moved Here

TCI state activation / beam indication

[R2-2310279](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310279.zip) Considerations on L2 centric parts CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310104](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310104.zip) Remaining issues on candidate cell TCI state activation Panasonic discussion

[R2-2310374](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310374.zip) Discussion on TCI state related issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

UE based TA

[R2-2310277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310277.zip) Discussions on LTM open issues CMCC discussion Rel-18 NR\_Mob\_enh2-Core

Moved here

[R2-2309851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309851.zip) Support of UE-based TA acquisition for LTM Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310327.zip) RSTD based early TA acquisition Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309787](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309787.zip) Configuration for UE based RACH-less LTM and sequential measurement Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309930.zip) Discussion on UE based TA measurement Lenovo discussion Rel-18

[R2-2309786](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309786.zip) Support UE based TA determination and RACH-less LTM Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

Moved here

Recovery cases

[R2-2309881](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309881.zip) Discussion on fallback RACH for L1L2-triggered mobility ASUSTeK discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310100.zip) Further Discussion on RACH-less LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309713.zip) Views on RACH-less fast recovery KDDI Corporation discussion NR\_Mob\_enh2-Core

Moved here

Further Enhancements

[R2-2309788](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309788.zip) Lower layer operation for UE based RACH-less LTM Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309712.zip) Discussion on L2 centric open issues LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309575.zip) Remaining aspects of Cell Switch Lenovo discussion NR\_Mob\_enh2-Core

[R2-2310530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310530.zip) Delayed Resource Reservation for inter gNB-DU LTM Rakuten Symphony discussion Rel-18

[R2-2310537](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310537.zip) TA acquisition related open issues Rakuten Symphony discussion Rel-18

### 7.4.3 Subsequent CPAC

Formerly called “NR-DC with selective activation cell of groups”.

RRC CR

[R2-2310375](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310375.zip) RRC running CR for subsequent CPAC in NR-DC OPPO draftCR Rel-18 38.331 17.6.0 B NR\_Mob\_enh2-Core

[R2-2310376](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310376.zip) RRC open issues list for subsequent CPAC in NR-DC OPPO discussion Rel-18 NR\_Mob\_enh2-Core

- Oppo report that this is resubmission of endorsed CR version, and hasn’t recevied any further comments

* Both noted

Open Issues

[R2-2309831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309831.zip) Summary of [Post123][054][feMob] Discussion on stage-2 signalling open issues ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

Moved from 7.4.1

P7

- MTK think this is related to P9, would like to discussion P9 first.

- OPPO think it relates to handling of the Ref config.

P12:

- Ericsson wonder if there are cond in the src SN whether they can be included.

- HW wonder if there is something else. HW think this can include PScells of other cand SN as well

Check with R3

- ZTE explains that the intention is just to send an LS to R3 with the agreements. MTK agrees that RAN2 can make assumptions and send LS.

P14

- Apple understands that the Cand SN only provides info about proposed cells. HW think we only support 8 so this restriction seems practical. OPPO agrees this is the restriction.

P16b

- ZTE explains that New should be removed.

P6

- Nok wonder if the MN initiated can contain only the SN part or always MN and SN. ZTE think this is flexible acc to P5. Ericsson agrees this can be flexible.

* Proposals marked easy agreement are agreed, except P7

P9

- Chair wonder what the signalling would be like for U1. ZTE think it involves some more signalling for coord.

- MTK think U2 may bring limitations to co-existence, but U1 brings some more signalling.

- HW fthink that we can have coexistence. IN R17 we have both MN configured and SN configured at the same time.

- Nokia wonder if the reference contains both MCG and SCG or just SCG in some case.

- Ericsson think we are discussing rhe maximum no of ref config and agrees we can go with 2.

- Apple think this dep on the format, if we have the same format, we can also use one ref config for both. Vivo think we go with U2 and then after more details disc we can determine if U1 works

- CMCC think U2 is ok

P7

- MTK think that then intra SN and inter SN would have different formats and suggest not to agree P7.

- OPPO think this could work as legacy. LGE agres.

Format:

- vivo wonder if we will continue discussion on the format.

- ZTE think many companies want to allow intra-SN in MN format.

- Apple would prefer to have also intra-SN in MN format. Think this would be simpler. Vivo agrees.

- CATT think that the format question is related to 9a.

- Ericsson think that it would be more complex for the UE to support mixed format cases. MTK agrees, would not like to have both formats used for a UE. QC clarifies that R17 support the mixed format case. MTK think this is different as we now support subsequent CPC. Ericsson agrees and think intra-SN case can become an inter-SN case. OPPO wonder if we then would not support non-MN-involved.

- Session Chair: instead of agreeing P7 P9 etc lets agree instead the UE part and look for consequences if any.

* For one UE, for CPC only either MN format or SN format (only intra-SN case is possible) is used
* MN format is supported for intra-SN (in addition to SN format)

*Session Chair: Can discuss if this bring additional consequences, e.g. can discuss for the LS, whether additional things should be clarified to R3.*

13a, 13b agreed as starting point. Can discuss further in the CR work

* P13a: For MN initiated inter-SN subsequent CPAC, in SN Addition Request message, the MN includes the following information to each candidate SN:

- A list of candidate SNs, and for each candidate SN in the list, a list of cells recommended by MN (assume format as legacy)

* P13b: For SN initiated inter-SN subsequent CPAC, in SN Addition Request message, the MN includes the following information to each candidate SN:

A list of candidate SNs, and for each candidate SN in the list, a list of PSCells suggested to be prepared by the candidate SN.

* Postpone 13c

*Session Chair: If further issues are found during the CR work, we can come back.*

* [AT123bis][502][feMob] LS out to R3 on S-CPAC (ZTE)

Scope:

Intended outcome:

Deadline: CB acc to Meeting schedule

Security

[R2-2311010](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311010.zip) Rapporteur summary Post[123][046][feMob] subsequent CPAC security issues Nokia, Nokia Shanghai Bell discussion

P4

- ZTE wonder if we can remove that the UE maintains. Nokia think the UE need to maintain. Chair: think we can further clarify.

P5

- Lenovo think this is should be captured somewhere, e.g. a FD as it is useful fo the UE. NEC agrees.

- Ericsson wonder if the existing value can be used in some case. Apple agrees.

- Nokia agrees that a single sk-counter list is used.

- Chair: can attempt a different wording for P5 offline, and can maybe attempt to progress some more.

* Rel-18 Conditional-Reconfiguration Information element may include

- List of Group-ID (mapping to SN) and associated SK-counter values outside the candidate conditional configurations.

- The Group-ID parameter is included within each candidate conditional configuration(CondConfigAddMod) marked for subsequent CPAC.

* R2 assumes that the UE need not include the selected SK-counter value in the RRC Reconfiguration Complete message as the selection of SK-counter for Inter-SN cell change follows the defined pattern according to SA3 solution. FFS if useful to still include this, to support some error/failure cases.
* For Pcell-change /PSCell-change /SCG Release scenarios, if the SCPAC configuration is maintained, UE also maintains the current status of the SK-counter list.
* [AT123bis][503][feMob] subsequent CPAC security issues (NOkia)

Scope: f2f offline, attempt further progress.

Intended outcome:

Deadline: CB acc to Meeting schedule

[R2-2311163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311163.zip) Discussion on security issue for subsequent CPAC NTT DOCOMO, INC. discussion

[R2-2311147](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311147.zip) Remaining issues for security aspects of Subsequent CPAC Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310337.zip) UE reporting of sk-counter for S-CPAC Apple discussion Rel-18 NR\_Mob\_enh2-Core

General

[R2-2309547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309547.zip) Discussion on subsequent CPAC CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309722](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309722.zip) Remaining issues for subsequent CPAC vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309835](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309835.zip) Remaining issues on subsequent CPAC ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309852](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309852.zip) Considerations on Subsequent CPAC after SCG Change Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309908](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309908.zip) Discussion on Subsequent CPAC FGI discussion

[R2-2309948](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309948.zip) Left issues on subsequent CPAC Lenovo discussion Rel-18

[R2-2310006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310006.zip) Discussion on issues of subsequent CPAC Spreadtrum Communications discussion Rel-18

[R2-2310019](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310019.zip) Discussion on Selective Activation of Cell Groups in NR-DC Transsion Holdings discussion Rel-18

[R2-2310268](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310268.zip) Discussion on remaining open issues for subsequent CPAC CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310326.zip) Discussion on Subsequent CPAC Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310377](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310377.zip) Discussion on open issues for subsequent CPAC in NR-DC OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310529.zip) Subsequent CPAC in NR-DC Qualcomm Incorporated discussion Rel-18

[R2-2310573](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310573.zip) Discussion on the evaluation adjustment for SCPAC ITRI discussion NR\_Mob\_enh2-Core R2-2307889

[R2-2310620](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310620.zip) Discussion on subsequent CPAC Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310647.zip) Discussion on subsequent CPAC NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310873](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310873.zip) Discussion on subsequent CPAC MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2308756

[R2-2310890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310890.zip) Discussion on subsequent CPAC Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310987](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310987.zip) Open issues regarding subsequent CPAC Interdigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311002.zip) Subsequent CPAC Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311011.zip) Discussion on Measurements, Reference Configuration, Security Issues, and Failure Handling for SCPAC Nokia, Nokia Shanghai Bell discussion

[R2-2311096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311096.zip) Stage 2 and 3 issues for Subsequent CPC LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311148.zip) Discussion on subsequent CPAC Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311195](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311195.zip) Discussion on NR-DC with subsequent CPAC. DENSO CORPORATION discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.4 CHO including target MCG and candidate SCGs for CPC CPA in NR-DC

RRC CR

[R2-2309543](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309543.zip) RRC Running CR for CHO with candidate SCGs CATT draftCR Rel-18 38.331 17.6.0 NR\_Mob\_enh2-Core

[R2-2309544](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309544.zip) RRC Open issue list for CHO with candidate SCGs CATT discussion Rel-18 NR\_Mob\_enh2-Core

General

[R2-2309548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309548.zip) Rapporteur proposals to open issues on CHO with candidate SCGs CATT, Huawei, HiSilicon, MediaTek, vivo, Lenovo, OPPO, ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

=> Revised in [R2-2311249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311249.zip)

[R2-2311249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311249.zip) Rapporteur proposals to open issues on CHO with candidate SCGs CATT, Huawei, HiSilicon, MediaTek, vivo, Lenovo, OPPO, ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

P1P2

- Ericsson think we can agree to the latter part. CATT think the first part refers to R17 configuration. Ericsson wonder why this is important. QC agrees.

- QC wonder if this is a case of CPA/CPC and CHO with cand SCG coexist. CATT confirms that this is for a co-existence scenario.

- vivo wonder if we need to have the same behaviour as R17.

chair: some confusion – P1 offline

P4

- Ericsson think there could be a UE capability to support > 8. QC think the max should be 8

* P2: The execution of CHO with candidate SCG is prioritized, if both PCell for CHO only or CHO including target MCG and target SCG, and the PCell and the associated PSCell for CHO with candidate SCG(s) is triggered
* P4: R2 assumes that the maximum number of conditional reconfigurations maxNrofCondCells (i.e., including the coexistence CHO with candidate SCGs, CHO only, CHO with target SCG, CPA/CPC if present) is 8 in Rel-18. FFS whether any optional additional UE cap is needed.
* [AT123bis][504][feMob] open issues on CHO with candidate SCGs (CATT)

Scope: Offline further progress based on R2-2311249 (and related other contributions). Identify “easy agreements” and FFS points for further disc next meeting.

Intended outcome:

Deadline: CB acc to Meeting schedule

[R2-2309723](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309723.zip) Discussion on CHO with Candidate SCGs vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309836](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309836.zip) Remaining issues on CHO with candidate SCG(s) ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309872](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309872.zip) Discussion on CHO with candidate SCG(s) Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309907.zip) Discussion on CHO including target MCG and candidate SCGs FGI discussion

[R2-2309932](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309932.zip) CHO with candidate SCG for CPAC Lenovo discussion Rel-18

[R2-2309981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309981.zip) Considerations on CHO with CPA/CPC Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310020](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310020.zip) Discussion on CHO with candidate SCGs Transsion Holdings discussion Rel-18

[R2-2310224](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310224.zip) Discussion on open issues of CHO with candidate SCGs China Telecom discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310264.zip) Discussion on CHO with candidate SCGs CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310378](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310378.zip) Discussion on open issues for CHO with candidate SCGs OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310437.zip) Discussions on CHO with candidate SCGs KDDI Corporation discussion

[R2-2310528](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310528.zip) CHO with multiple candidate SCGs Qualcomm Incorporated discussion Rel-18

[R2-2310621](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310621.zip) Discussion on CHO with candidate SCG(s) Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310635](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310635.zip) Final details on CHO with CPAC in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310891.zip) CHO with associated CPC or CPA Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310988](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310988.zip) Open issues regarding CHO with associated SCG Interdigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311082.zip) On CHO recovery for CHO with candidate SCG MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2308750

[R2-2311097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311097.zip) Simultaneous Execution of CHO and CPAC LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.5 Others

Including contributions on improvement to SCell/SCG setup delay

LS in

[R2-2309462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309462.zip) LS on improvement on FR2 SCell/SCG setup delay (R4-2314466; contact: Nokia) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

Moved from 7.4.1

General

[R2-2310796](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310796.zip) eEMR SCell setup delay Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310481.zip) Discussion on fast SCell/SCG setup CMCC, Ericsson, ZTE, Huawei, vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2309545](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309545.zip) Discussion on improvement of FR2 SCell/SCG setup delay CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310535](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310535.zip) Discussion on fast Scell setup vivo discussion Rel-18 NR\_Mob\_enh2-Core Late

[R2-2310801](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310801.zip) Improvement on Scell/SCG setup/resume delay Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2310892](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310892.zip) Discussion on early measurements enhancements Ericsson, CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311078](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311078.zip) RAN2 signaling for improvement to SCellSCG setup delay LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2311113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311113.zip) Discussion on FR2 SCell/SCG setup delay MediaTek Inc. discussion NR\_Mob\_enh2-Core

## 7.12 Mobile IAB (Integrated Access and Backhaul) for NR

( NR\_mobile\_IAB -Core; leading WG: RAN3; REL-18; WID: [RP-232669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\TSG_RAN\RAN\Docs\RP-232669.zip))

Time budget: 0.5 TU

Tdoc Limitation: 3 tdocs

### 7.12.1 Organizational

Ls in Rapporteur input, running CRs etc

Workplan

[R2-2310188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310188.zip) Updated workplan for Rel-18 mobile IAB Qualcomm Inc. (Rapporteur) Work Plan Rel-18 NR\_mobile\_IAB

LS in

[R2-2309475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309475.zip) Reply LS CAG solution for mobile IAB (S2-2309998; contact: Ericsson) SA2 LS in Rel-18 NR\_mobile\_IAB-Core, VMR To:RAN2 Cc:RAN3

[R2-2310897](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310897.zip) Conclusions of CAG feature for mobile IAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

CRs

BAP

[R2-2309826](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309826.zip) Running CR for introduction of mobile IAB in TS 38.340 (including open issue list) Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310082.zip) On impacts to BAP spec CATT, Apple discussion Rel-18 NR\_mobile\_IAB

RRC

[R2-2310893](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310893.zip) RRC running CR for mobile IAB Ericsson draftCR Rel-18 38.331 17.6.0 B NR\_mobile\_IAB-Core

[R2-2310894](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310894.zip) RRC open issues list for mobile IAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

UE Caps

[R2-2310120](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310120.zip) 38.306 running CR for mobile IAB capabilities Nokia, Nokia Shanghai Bell draftCR Rel-18 38.306 17.6.0 NR\_mobile\_IAB-Core

[R2-2310121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310121.zip) 38.331 running CR for mobile IAB capabilities Nokia, Nokia Shanghai Bell draftCR Rel-18 38.331 17.6.0 NR\_mobile\_IAB-Core

### 7.12.2 Mobility Enhancements

Enhancements for mobility of an IAB-node together with its served UEs.. [RAN3, RAN2]

#### 7.12.2.1 Connected mode

##### 7.12.2.1.1 Reuse of NR NTN RACH-less Handover

Tdoc Limitation: 0

Reuse of NR NTN RACH-less handover is assumed. Modifications of or difference in procedure specifically for mIAB need to be determined (mIAB-specifics only when/if there is a need). There will be offline reivews to assess potential impacts etc. CR rapporteurs (MAC: Samsung, RRC: Ericsson, UE capabilities: Nokia, Stage-2: QC) are encouraged to work with their NR NTN coutnerparts and are invited to input on the potenital TS impacts, and CR strategies (e.g. CR common mIAB/NR NTN, or mIAB CR copy-paste from NR NTN CR etc), and otther aspects as needed. Others are expected to input at the meeting.

Treat online (Third)

General

[R2-2310302](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310302.zip) Remaining issues on CONNECTED mobility in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

MAC

[R2-2311179](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2311179.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311179.zip) IAB MAC rapporteur views on MAC impact of RACH-less HO for mIAB and alignment with NTN Samsung R&D Institute UK discussion

Moved from 7.12.1

RRC

[R2-2310895](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310895.zip) Rapporteur resolution proposals for mIAB RRC open issues Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

##### 7.12.2.1.2 Other

Including Open Issues (identification of, resolution to), if any. Stage-3 progress (pl illustrate with TPs. Please see Running CRs.

Chair: On new (not-yet-agreed) proposals, there has previously been some interest for time-based CHO (which can be discussed one more round). Other new (not-yet-agreed) proposals, are not expected to be treated.

[R2-2311132](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311132.zip) Time-based CHO enhancement for Mobile IAB AT&T discussion

[R2-2309798](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309798.zip) Remaining issues of mobility enhancements for mobile IAB NEC Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310122.zip) Connected mode issues for mobile IAB Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310190.zip) Enhancements for mobile IAB connected mode mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2310630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310630.zip) Discussion on mIAB connected mode aspects Samsung Electronics Polska discussion Rel-18 NR\_mobile\_IAB

[R2-2311077](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311077.zip) Resolving open issues - CondEventT1 and mIAB indication during connection setup LG Electronics discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309827.zip) Connected mode enhancement for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309939.zip) Mobility enhancements for mobile IAB-node and its connected UE Lenovo discussion Rel-18

[R2-2309972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309972.zip) Discussion on mobility enhancement for UE in connected mode ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310025](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310025.zip) Mobile IAB general aspects and mobility enhancement for connected UEs Intel Corporation discussion Rel-18 NR\_mobile\_IAB

[R2-2310303](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310303.zip) UE on-board status identification and reporting Apple, Huawei, HiSilicon, Lenovo, CATT, InterDigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core R2-2307822

#### 7.12.2.2 Idle/Inactive mode

Including Open Issues (identification of, resolution to), if any. Stage-3 progress (pl illustrate with TPs). Please See Running CRs.

[R2-2311076](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311076.zip) Cell reselection and PCI list of IAB cells LG Electronics discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309828.zip) Idle/Inactive mode mobility enhancement for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309940.zip) Mobility enhancement for UE in idle or inactive mode Lenovo discussion Rel-18

[R2-2309973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309973.zip) Discussion on mobility enhancement for UE in idle or inactive mode ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310026](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310026.zip) UE cell (re)selection and mIAB CAG Intel Corporation discussion Rel-18 NR\_mobile\_IAB

[R2-2310075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310075.zip) Cell reselection prioritization for mobile IAB cells Samsung Guangzhou Mobile R&D discussion

[R2-2310081](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310081.zip) Idle mode mobility for mobile IAB CATT discussion Rel-18 NR\_mobile\_IAB

[R2-2310123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310123.zip) Cell reselection issues for UEs in mobile IAB scenarios Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310191.zip) Enhancements for mobile IAB idle and inactive mode mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2310304](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310304.zip) Remaining issues on IDLE INACTIVE mobility in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310589](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310589.zip) Discussion on the mIAB access to the network Xiaomi discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310590](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310590.zip) Assistance information for prioritizing mobile IAB cell Xiaomi discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310773](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310773.zip) Mobile IAB cell indication to UE behaviour Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2310896](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310896.zip) Indication of DU-migration to UEs in IDLE and INACTIVE Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2311018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311018.zip) UE cell reselection prioritization for mobile IAB SHARP Corporation discussion Rel-18 R2-2308581

[R2-2311067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311067.zip) IDLE/INACTIVE mode mobility enhancements for mobile IAB Kyocera discussion Rel-18 R2-2308110

[R2-2311075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311075.zip) Access restriction for mIAB cell LG Electronics discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2311133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311133.zip) Inter-frequency cell reselection enhancements for Mobile IAB AT&T discussion

PCI list

### 7.12.3 Other

Procedures for migration/topology adaptation to enable IAB-node mobility [RAN3, RAN2].

Mitigation of interference due to IAB-node mobility. [RAN3, RAN2]. Note that on PCI collision, RAN2 agreed that further work on this matter would be based on LS by RAN3. Note that on RACH interference and collisions RAN2 agreed that this better be handled between RAN3 and RAN1. Chair: THUS it is not clear whether any interference-mitigation paper would be treated without LS.  
Including UE capabilites. Including outcome of [Post123][051][mIAB] Running CRs UE caps (Nokia).

General

Treat online (first)

[R2-2310189](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2310189.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310189.zip) Mobile IAB-node connecting to Rel-16/17 IAB cell Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2310591](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310591.zip) Clarification on the mIAB connection to the legacy IAB-donor Xiaomi discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2311181](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311181.zip) Mobile IAB node vs IAB node: how to capture the distinction in specifications Samsung R&D Institute UK discussion

UE capabilites

Treat online (second)

[R2-2310124](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2310124.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310124.zip) Summary of [Post123][051][mIAB] Running CRs UE caps (Nokia) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309829.zip) Open issues on UE capability and RANU for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2309974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309974.zip) Discussion on remaining issues for mobile IAB ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2310027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310027.zip) Discussion on mIAB-MT UE capability Intel Corporation discussion Rel-18 NR\_mobile\_IAB

[R2-2310083](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310083.zip) On UE capabilities for mIAB CATT discussion Rel-18 NR\_mobile\_IAB

Lower priority

[R2-2310774](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310774.zip) PCI collision in mobile IAB Sony discussion Rel-18 NR\_mobile\_IAB

## 7.22 Study on low-power wake-up signal and receiver for NR

(FS\_NR\_LPWUS; leading WG: RAN1; REL-18; WID: [RP-232672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\TSG_RAN\RAN\Docs\RP-232672.zip))

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.22.1   Organizational

Incoming LSs, Rapporteur input etc.

[R2-2309737](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309737.zip) Update of TR 38.869 for LP-WUS WUR vivo (Rapporteur) discussion Rel-18 FS\_NR\_LPWUS

### 7.22.2   Idle Inactive Mode

[R2-2309735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309735.zip) Discussion on LP-WUS WUR in RRC\_IDLE INACTIVE vivo discussion Rel-18 FS\_NR\_LPWUS

[R2-2310313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310313.zip) RAN2 impact of LP-WUS in RRC\_IDLE/INACTIVE state Apple discussion Rel-18 FS\_NR\_LPWUS

[R2-2309493](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309493.zip) Use of low-power receiver in RRC Idle/Inactive Qualcomm Incorporated discussion Rel-18 FS\_NR\_LPWUS

[R2-2309536](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309536.zip) Discussion on LP-WUS in RRC\_IDLE/INACTIVE OPPO discussion Rel-18 FS\_NR\_LPWUS

[R2-2309818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309818.zip) Further considerations on LP-WUS in RRC\_IDLE&INACTIVE states CATT discussion Rel-18 FS\_NR\_LPWUS

[R2-2309858](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309858.zip) LP-WUS in RRC\_IDLE/INACATIVE LG Electronics Inc. discussion Rel-18 FS\_NR\_LPWUS

[R2-2310039](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310039.zip) General considerations on the procedure for RRC\_IDLE\_INACTIVE Xiaomi Communications discussion

[R2-2310062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310062.zip) Discussion on LPWUS in RRC\_IDLE INACTIVE NEC Corporation. discussion Rel-18 FS\_NR\_LPWUS

[R2-2310483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310483.zip) Remaining issues on LP-WUS in RRC\_IDLE/INACTIVE state Huawei, HiSilicon discussion Rel-18 FS\_NR\_LPWUS

[R2-2310722](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310722.zip) LP-WUS in RRC IDLE and INACTIVE Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_LPWUS

[R2-2310778](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310778.zip) Considerations on LP-WUR in RRC Idle/Inactive mode Sony discussion Rel-18 FS\_NR\_LPWUS

[R2-2310827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310827.zip) Remaining issues of LP-WUS in idle or inactive mode ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_LPWUS

[R2-2311064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311064.zip) LP-WUS/WUR for RRC Idle and Inactive Ericsson discussion Rel-18 FS\_NR\_LPWUS

[R2-2311171](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311171.zip) On impact to IDLE/INACTIVE procedures to support LP-WUR Samsung R&D Institute India discussion Rel-18

[R2-2311216](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311216.zip) LP-WUS in RRC Idle/ Inactive Mode Lenovo discussion FS\_NR\_LPWUS

### 7.22.3   Connected Mode

[R2-2309492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309492.zip) Summary of [Post123][060][LPWUS] Low-power receiver in RRC Connected (Qualcomm) Qualcomm Incorporated discussion Rel-18 FS\_NR\_LPWUS

[R2-2309842](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309842.zip) Further considerations on LP-WUS in RRC\_CONNECTED Huawei, HiSilicon discussion Rel-18 FS\_NR\_LPWUS

[R2-2311068](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311068.zip) LP-WUS/WUR for RRC Connected Ericsson discussion Rel-18 FS\_NR\_LPWUS

[R2-2309530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309530.zip) Discussion on LP-WUS in RRC Connected OPPO discussion Rel-18 FS\_NR\_LPWUS

[R2-2309736](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309736.zip) Discussion on LP-WUS WUR in RRC\_Connected vivo discussion Rel-18 FS\_NR\_LPWUS

[R2-2309819](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2309819.zip) LP-WUS co-existence with DCP in RRC\_CONNECTED state CATT discussion Rel-18 FS\_NR\_LPWUS

[R2-2310040](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310040.zip) Discussing on LP-WUS monitoring for RRC\_Connected Xiaomi Communications discussion

[R2-2310061](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310061.zip) Discussion on LPWUS in RRC\_CONNECTED NEC Corporation. discussion Rel-18 FS\_NR\_LPWUS

[R2-2310314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310314.zip) RAN2 impact of LP-WUS in RRC\_CONNECTED state Apple discussion Rel-18 FS\_NR\_LPWUS

[R2-2310442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310442.zip) Discussion on LP-WUS for Connected LG Electronics Inc. discussion FS\_NR\_LPWUS

[R2-2310828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310828.zip) Remaining issues of LP-WUS in connected mode ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_LPWUS

[R2-2310877](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2310877.zip) On Low-power WUS in RRC\_CONNECTED Nokia, Nokia Shanghai Bell discussion FS\_NR\_LPWUS

[R2-2311172](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311172.zip) On impact to Connected mode procedures to support LP-WUR Samsung R&D Institute India discussion Rel-18

[R2-2311217](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2311217.zip) LP-WUS in RRC Connected Mode Lenovo discussion FS\_NR\_LPWUS