3GPP TSG-RAN WG2 Meeting #125bis R2-240xxx

Changsha, China, April 15th – 19th, 2024

Source: RAN2 Chair (InterDigital)

Title: Agenda

# 1 Opening of the meeting

## 1.1 Call for IPR

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| The attention of the delegates of this Working Group is drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners **to inform their respective Organizational Partners of Essential IPRs** they become aware of. The delegates were asked to take note that they were hereby invited:* to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
* to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (https://www.etsi.org/images/files/IPR/etsi-ipr-form.doc)
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NOTE: IPRs may be declared to the Director-General or Chairman of the SDO, but not to the RAN WG2 Chairman.

## 1.2 Network usage conditions

1/ To avoid email system overload, please don’t attach files and documents to emails e.g. for offline email discussions, but instead use files placed on the meeting server instead. Inbox/Drafts folder is used for meeting offline discussions.

## 1.3 Other

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| --- |
| In accordance with the Working Procedures it is reaffirmed that: (i) compliance with all applicable antitrust and competition laws is required; (ii) timely submissions of work items in advance of TSG or WG meetings are important to allow for full and fair consideration of such matters; and (iii) the chair will conduct the meeting with strict impartiality and in the interests of 3GPP |

Note on (i): In case of question please contact your legal counsel.

Note on (ii): WIDs don’t need to be submitted to the RAN2 meeting and will typically not be discussed here either.

# 2 General

## 2.1 Approval of the agenda

R2-2402101 Agenda for RAN2#125bis Chairman agenda

## 2.2 Approval of the report of the previous meeting

R2-2402102 RAN2#125 Meeting Report MCC report Late

## 2.3 Reporting from other meetings

## 2.4 Instructions

Rel-17 maintenance CRs

* Only essential/critical corrections are expected
* Editorial and clarification corrections should be sent to be reviewed and approved by spec rapporteurs prior to submission.
* Editorials corrections should be collected and submitted by spec rapporteurs.

Rel-18 CR Handling

- CR editors / Rapporteurs continue to support maintenance related to their respective CR / WI and are required to follow drafting rules

- Single correction CR per spec coordinated by CR editor/rapporteurs will be agreed per feature for RAN#104

- A list of open issues is expected to be created per CR per WI and shared from CR editors/rapporteurs

- CR editors / Rapporteurs are to gather miscellaneous and non-controversial issues, if any, for their respective specification prior to submission deadline. Other companies are expected to give inputs to these CRs and not have contributions on such issues.

- Companies are should give inputs on editorials and clarifications to the CR editors/rapporteurs and not have individual CRs/contributions on such issues. Emails to CR editors/rapporteurs should follow the following naming convention when sending emails to rapporteurs:

 [Pre\_RAN2#125][CR xx.yyy] Clarification CRs

- The organizational AIs for each WIs are reserved for rapporteurs only. CR rapporteurs are expected to submit only 1 CR per spec.

- For RRC corrections, only selected RIL can be submitted in the agenda (i.e. only if RRC editor suggests to discuss the RIL under this agenda)

- Companies are expected to submit Tdocs with TP (not CRs). More specifically, the Tdoc should contain description of open issues/proposal and the proposed corrections/TP in the contribution itself.. Small issues can be included in the tdoc with just short justification same level of detail as in cover sheet.

- RRC ASN.1 changes can be drafted in a NBC way until ASN.1 is frozen, to avoid unnecessary RRC overhead. The focus should be on drafting the changes in the best possible way.

- Inter-op analysis on Rel-18 CR coverpages in NOT needed

Remaining/updated Rel-18 RRC parameters and MAC CEs

- RRC parameters updates/corrections, including those requested by other groups, e.g. RAN1, are covered by WI-specific RRC CRs.

- MAC CE parameters updates/corrections, including those requested by other groups, e.g. RAN1, are covered by WI-specific MAC CRs

Rel-18 UE capabilities

- EUTRA UE capabilities corrections are covered by separate CRs

- NR UE capabilities (new) and corrections are covered in Rel-18 common MegaCRs (38306 and 38331) covering all rel-18 WIs (end outcome).

- UE capabilities in LPP 37355 and SLPP 38355 are covered in the main CRs for the Positioning WI.

During the work on NR UE caps:

- In a Common Rel-18 Agenda Item (AI): RAN1 and RAN4 feature corrections are handled jointly under a common AI, with some explicit exceptions. Running UE cap MegaCRs are maintained for the parts handled in the common AI.

- In WI-specific Rel-18 Agenda Items: RAN2 features/corrections are handled per WI and only a draft CR per WI is expected and will be merged with the running mega CR

**ASN.1 Review**

- Please follow the instructions provided in ASN.1 review rapporteur and read section “Review execution” on what to expect for paper submission.

 <https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/Rel-18%202024-03>

* Contributions on WI specific RILs should be submitted under the corresponding WI specific AI and NOT in the general ASN.1 review AI (7.0.3). That AI is reserved for common/cross-WI specific identified RILs
* Title of contribution should start with [RIL number] Title, or "[RIL number1][RIL number N] Title” if there are more than one RIL in a Tdoc.
* Proposals related to RIL resolution should include RIL number in the proposal

Tdoc limitations

Tdoc limitations doesn’t apply to Rapporteur Input, i.e.

- Assigned summary rapporteur input of the summary.

- Email / offline discussions outcomes by discussion rapporteur,

- WI rapporteurs input for WI planning etc,

- TS rapporteur input for TS maintenance.

- Contact Company of a LSin that triggers RAN2 action may submit one tdoc to facilitate the LS reply. This only applies to one of the contact companies in case there are several (default the first).

- Spec rapporteur list of open issues for Rel-18 items

Tdoc limitations doesn’t apply to Input created at the meeting, revisions, assigned documents etc.

Tdoc limitations doesn’t apply to shadow / mirror CRs (Cat A), or In-Principle Agreed CRs.

Tdoc limitations doesn’t apply to Tdocs related to RILs which has been assigned during ASN.1 review. **Single Tdoc containing 1 or more RIL resolutions per WI is expected**.

Tdoc limitations applies to all other submitted tdocs (e.g. discussion tdoc and CR tdoc are counted as two).

Tdoc request/submission for RAN2#125bis deadlines:

* Tdoc Submission deadline: April 5th, 2024 1000 UTC NOTE: NO changes to titles, sourcing companies, or new additional requests are allowed past this date. This should be treated as final deadline similar to all meetings where Tdoc requests/submission deadlines are aligned.

## 2.5 Others

# 3 Incoming liaisons

Note: LSs are moved to the respective agenda items if any.

R2-2402124 Reply LS on the progress update of AI/ML Management specifications in SA5 (R3-241183; contact: ZTE) RAN3 LS in Rel-18 AIML\_MGT, FS\_NR\_AIML\_air To:SA5 Cc:RAN, RAN1, RAN2, SA, SA1, SA2

R2-2402146 LS on the progress update of AI/ML Management specifications in SA5 (S5-238107; contact: NEC, Intel) SA5 LS in Rel-18 AIML\_MGT, FS\_NR\_AIML\_air To:RAN1, RAN2, RAN3, SA2 Cc:SA1, SA, RAN

# 4 EUTRA Rel-17 and earlier

Only essential corrections. No documents should be submitted to 4. Please submit to 4.x

## 4.1 EUTRA corrections Rel-17 and earlier

(NB\_IOTenh4\_LTE\_eMTC6-Core; leading WG: RAN1; REL-17; WID: [RP-211340](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211340.zip))

(UPIP\_EN-DC\_UE; leading WG: RAN3; REL-17; WID: [RP‑213669](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_94e/Docs/RP-213669.zip))

(LTE TEI17)

Essential corrections to LTE Rel-17 topics not covered by other agenda items.

(NB\_IOTenh3-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: [RP-200293](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200293.zip)); REL-15 and Earlier NB-IoT WIs are in scope but not listed explicitly (long list).

(LTE\_eMTC5-Core; LTE\_eMTC5-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: [RP-192875](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_86/Docs/RP-192875.zip);), REL-15 and Earlier eMTC WIs are in scope but not listed explicitly (long list).

(LTE\_feMob-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed: June 20; WID: [RP-190921](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_84/Docs/RP-190921.zip));

(LTE\_terr\_bcast-Core, LTE\_DL\_MIMO\_EE-Core, LTE\_high\_speed\_enh2-Core; LTE TEI16 Non-positioning);

(LTE\_NBIOT\_eMTC\_NTN; leading WG: RAN1; REL-17; WID: [RP-211601](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211601.zip))

REL-15 and Earlier EUTRA WIs are in scope but not listed explicitly (long list), Except V2X and Sidelink WIs and Positioning WIs, which are adressed by AIs below.

NOTE that LTE corrections related to NR WIs or Joint NR LTE WIs should be submitted to NR AIs below.

NOTE that LTE corrections which are the same as an NR correction should be submitted to the respective NR AI (so the NR CR and LTE CR can be treated together).

This Agenda Item is treated in the Maintenance Breakout session (Corrections for LTE\_NBIOT\_eMTC\_NTN might be treated in the NTN breakout session)

R2-2402815 Clarification of CQI report enabling in RRCEarlyDataRequest-NB message Qualcomm Incorporated CR Rel-17 36.331 17.8.0 5003 - F NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2403488 Addition of polarization parameters Huawei, HiSilicon CR Rel-17 36.331 17.8.0 5015 - F LTE\_NBIOT\_eMTC\_NTN

R2-2403489 Addition of polarization parameters Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5016 - A LTE\_NBIOT\_eMTC\_NTN

### 4.1.1 Other

R2-2402987 Miscellaneous Corrections for TS 36.331 Samsung CR Rel-14 36.331 14.16.0 5005 - F TEI14

R2-2402988 Miscellaneous Corrections for TS 36.331 Samsung CR Rel-15 36.331 15.21.0 5006 - A TEI14

R2-2402989 Miscellaneous Corrections for TS 36.331 Samsung CR Rel-16 36.331 16.15.0 5007 - A TEI14

R2-2402990 Miscellaneous Corrections for TS 36.331 Samsung CR Rel-17 36.331 17.8.0 5008 - A TEI14

R2-2402991 Miscellaneous Corrections for TS 36.331 Samsung CR Rel-18 36.331 18.1.0 5009 - A TEI14

R2-2403154 Discussion on LTE QoE configuration handling during inter-RAT mobility Huawei, HiSilicon discussion Rel-17 LTE\_QMC\_Streaming-Core

R2-2403484 Correction on LTE QoE configurations release in mobility from E-UTRA procedure Nokia, Nokia Shanghai Bell, Ericsson CR Rel-17 36.331 17.8.0 5013 - F LTE\_QMC\_Streaming-Core

R2-2403485 Correction on LTE QoE configurations release in mobility from E-UTRA procedure Nokia, Nokia Shanghai Bell,Ericsson CR Rel-18 36.331 18.1.0 5014 - A LTE\_QMC\_Streaming-Core Revised

R2-2403692 Correction on LTE QoE configurations release in mobility from E-UTRA procedure Nokia, Nokia Shanghai Bell, Ericsson CR Rel-18 36.331 18.1.0 5014 1 A LTE\_QMC\_Streaming-Core R2-2403485

## 4.2 Void

## 4.3 V2X and Sidelink corrections Rel-15 and earlier

REL-15 and Earlier WIs related to V2x and Sidelink are in scope but not listed explicitly (long list).

This Agenda Item is treated in the V2X and Sidelink Breakout session

Tdoc Limitation: 1 tdocs

## 4.4 Positioning corrections Rel-16 and earlier

(LTE\_NavIC-Core, LTE TEI16 Positioning), REL-15 and Earlier WIs related to positioning are in scope but not listed explicitly (long list).

This Agenda Item will be handled by email.

Tdoc Limitation: 1 tdocs

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 3 tdocs in total for all sub agenda items NOTE: some agenda items have additional Tdoc limits.

In case a correction need to be reflected in both NR TS and LTE TS, the corrections should be submitted under one single AI (so the NR and LTE correction can be treatee together), the sub-Ais below this

## 5.1 Common

Includes the following WIs and input that doesn’t fit elsewhere.

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: [RP-191971](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-191971.zip))

(NR\_IAB-Core; leading WG: RAN2; REL-16; started: Dec 18; target Aug 20; WID: [RP-200840](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-200840.zip))

(NR\_unlic-Core; leading WG: RAN1; REL-16; started: Dec 18; Closed June 20; WID: [RP-192926](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_86/Docs/RP-192926.zip)).

(NR\_IIOT-Core; leading WG: RAN2; REL-16; started: Mar 19; Completed: Jun 20; WID: [RP-200797](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-200797.zip))

(NR\_UE\_pow\_sav-Core; leading WG: RAN1; REL-16; started: Mar 19; Completed Jun 20; WID: [RP-200494](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200494.zip)).

(NR\_2step\_RACH-Core; leading WG: RAN1; REL-16; started: Dec 18; Completed: June 20; WID: [RP-200085](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200085.zip)).

(SRVCC\_NR\_to\_UMTS-Core; leading WG: RAN2; REL-16; started: Dec 18; Completed; Mar 20; WID: [RP-190713](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_83/Docs/RP-190713.zip))

(RACS-RAN-Core, leading WG: RAN2; REL-16; started: Mar 19; completed: Jun 20; WID: [RP-191088](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_84/Docs/RP-191088.zip))

(NG\_RAN\_PRN-Core; leading WG: RAN3; REL-16; started: Mar 19; completed: June 20; WID: [RP-200122](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200122.zip))

(NR\_eMIMO-Core, leading WG: RAN1; REL-16; started: Jun 18; target; Aug 20; WID: [RP-200474😉](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200474.zip)

(NR\_CLI\_RIM; leading WG: RAN1; REL-16; started: Dec 18; Completed: Jun 20; WID: [RP-191997](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-191997.zip);)

(NR\_L1enh\_URLLC-Core, leading WG: RAN1; REL-16; Completed: June 20; WID: [RP-191584](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_84/Docs/RP-191584.zip))

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI [RP-200791](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-200791.zip))

(NR\_Mob\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed June 20; WID: [RP-192277](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-192277.zip)).

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: [RP-191776](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-191776.zip))

(NR\_HST, NR\_RRM\_enh-Core, NR\_RF\_FR1, NR\_RF\_FR2\_req\_enh, NR\_n66\_BW, LTE\_NR\_B41\_Bn41\_PC29dBm-Core, NR\_CSIRS\_L3meas,)

(NR TEI16)

LTE mob enh corrections that are common with NR mobility enhancements should be submitted to this AI.

### 5.1.1 Stage 2 and Organisational

Incoming LSs, etc. You should discuss your stage 2 CRs with the specification rapporteurs before submission. Includes impact to 38.300, 36.300, 37.340

R2-2402130 Reply LS on combination of HST and RRM relaxation (R4-2403532; contact: Apple) RAN4 LS in Rel-18 NR\_HST, NR\_UE\_pow\_sav-Core To:RAN2

R2-2402524 Clarification on combination of HST and RRM relaxation CATT CR Rel-16 38.331 16.16.0 4670 - F NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402525 Clarification on combination of HST and RRM relaxation CATT CR Rel-17 38.331 17.8.0 4671 - F NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402526 Clarification on combination of HST and RRM relaxation CATT CR Rel-18 38.331 18.1.0 4672 - A NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402527 Clarification on combination of HST and RRM relaxation CATT CR Rel-16 38.304 16.10.0 0395 - F NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402528 Clarification on combination of HST and RRM relaxation CATT CR Rel-17 38.304 17.8.0 0396 - F NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402529 Clarification on combination of HST and RRM relaxation CATT CR Rel-18 38.304 18.1.0 0397 - A NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402869 Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.15.0 0839 - F NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402870 Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0840 - A NR\_HST, NR\_UE\_pow\_sav-Core

R2-2402871 Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0841 - A NR\_HST, NR\_UE\_pow\_sav-Core

R2-2403362 Reference for User Service Description Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0850 - F NR\_MBS-Core

R2-2403363 Reference for User Service Description Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0851 - A NR\_MBS-Core

#### 5.1.1.1 Other

R2-2403004 Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-15 38.300 15.16.0 0843 - F NR\_newRAT-Core

R2-2403005 Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.15.0 0844 - A NR\_newRAT-Core

R2-2403006 Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0845 - A NR\_newRAT-Core

R2-2403007 Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0846 - A NR\_newRAT-Core

### 5.1.2 User Plane corrections

User Plane corrections will be handled in the User Plane break out session

#### 5.1.2.1 MAC

R2-2403384 Clarification of Start Time of HARQ RTT Timer Samsung discussion Rel-15 NR\_newRAT-Core, NR\_unlic-Core, NR\_IIOT-Core, NR\_MBS-Core, TEI17

#### 5.1.2.2 RLC PDCP SDAP BAP

R2-2403048 Corrections to data-volume calculation Nokia, Nokia Shanghai Bell CR Rel-16 38.323 16.8.0 0136 - F NR\_IIOT-Core

R2-2403049 Corrections to data-volume calculation Nokia, Nokia Shanghai Bell CR Rel-17 38.323 17.5.0 0137 - A NR\_IIOT-Core

R2-2403050 Corrections to data-volume calculation Nokia, Nokia Shanghai Bell CR Rel-18 38.323 18.1.0 0138 - A NR\_IIOT-Core

#### 5.1.2.3 Other

User plane related corrections that should be handled in User plane break out session.

### 5.1.3 Control Plane corrections

#### 5.1.3.1 NR RRC

Corrections to 38331, and related change to other TS if applicable, e.g. 36331, Stage-2 etc.

R2-2402828 Clarification on plmn-IdentityIndex-r16 in SIB3 and SIB4 Huawei, HiSilicon CR Rel-16 38.331 16.16.0 4694 - F NG\_RAN\_PRN-Core

R2-2402829 Clarification on plmn-IdentityIndex-r16 in SIB3 and SIB4 Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4695 - A NG\_RAN\_PRN-Core

R2-2402830 Clarification on plmn-IdentityIndex-r16 in SIB3 and SIB4 Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4696 - A NG\_RAN\_PRN-Core

R2-2402923 Clarification on SIB1 reception for ETWS/CMAS Samsung discussion Rel-15 NR\_newRAT-Core

R2-2402935 Clarification on UE behaviour for context retrieval during handover failure Samsung R&D Institute UK discussion

R2-2403171 Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-16 38.331 16.16.0 4702 - F NR\_IAB-Core

R2-2403172 Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-17 38.331 17.8.0 4703 - A NR\_IAB-Core

R2-2403173 Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-18 38.331 18.1.0 4704 - F NR\_IAB-Core

R2-2403346 PUCCH configuration during RRC Resume Qualcomm Incorporated CR Rel-15 38.331 15.25.0 4720 - F NR\_newRAT-Core

R2-2403347 PUCCH configuration during RRC Resume Qualcomm Incorporated CR Rel-16 38.331 16.16.0 4721 - A NR\_newRAT-Core

R2-2403350 PUCCH configuration during RRC Resume Qualcomm Incorporated CR Rel-17 38.331 17.8.0 4722 - A NR\_newRAT-Core

R2-2403351 PUCCH configuration during RRC Resume Qualcomm Incorporated CR Rel-18 38.331 18.1.0 4723 - A NR\_newRAT-Core

R2-2403390 Correction on keyToUse field value in CellGroupConfig Philips International B.V. CR Rel-15 38.331 15.25.0 4726 - F NR\_newRAT-Core

R2-2403391 Correction on keyToUse field value in CellGroupConfig Philips International B.V. CR Rel-16 38.331 16.16.0 4727 - A NR\_newRAT-Core

R2-2403393 Correction on keyToUse field value in CellGroupConfig Philips International B.V. CR Rel-17 38.331 17.8.0 4728 - A NR\_newRAT-Core

R2-2403395 Correction on keyToUse field value in CellGroupConfig Philips International B.V. CR Rel-18 38.331 18.1.0 4730 - A NR\_newRAT-Core

R2-2403443 Correction on setuprelease related procedural text in rel-16 Google CR Rel-16 38.331 16.16.0 4738 - F 5G\_V2X\_NRSL-Core, NR\_SON\_MDT-Core

R2-2403456 Correction on Point A related reference in RRC spec Philips International B.V. CR Rel-15 38.331 15.25.0 4740 - F NR\_newRAT-Core

R2-2403457 Correction on Point A related reference in RRC spec Philips International B.V. CR Rel-16 38.331 16.16.0 4741 - A NR\_newRAT-Core

R2-2403459 Correction on Point A related reference in RRC spec Philips International B.V. CR Rel-17 38.331 17.8.0 4742 - A NR\_newRAT-Core

R2-2403460 Correction on Point A related reference in RRC spec Philips International B.V. CR Rel-18 38.331 18.1.0 4743 - A NR\_newRAT-Core

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

R2-2402662 Correction on prerequisite of diffNumerologyAcrossPUCCH-Group Huawei, HiSilicon CR Rel-15 38.306 15.24.0 1066 - F NR\_newRAT-Core

R2-2402663 Correction on prerequisite of diffNumerologyAcrossPUCCH-Group Huawei, HiSilicon CR Rel-16 38.306 16.16.0 1067 - A NR\_newRAT-Core

R2-2402664 Correction on prerequisite of diffNumerologyAcrossPUCCH-Group Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1068 - A NR\_newRAT-Core

R2-2402665 Correction on prerequisite of diffNumerologyAcrossPUCCH-Group Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1069 - A NR\_newRAT-Core

R2-2402955 Discussion on UE capabilities for two PUCCH groups Qualcomm Incorporated discussion

R2-2402956 Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-16 38.306 16.16.0 1018 1 F TEI16 R2-2400348

R2-2402957 Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-17 38.306 17.8.0 1019 1 A TEI16 R2-2400349

R2-2402958 Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-18 38.306 18.1.0 1020 1 A TEI16 R2-2400350

R2-2403432 Clarification on the Supported Bandwidth of the PUSCH-less Cell ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

#### 5.1.3.3 Other

This agenda item addresses the idle and inactive behaviour specified in 38.304 or 36.304, LTE-specific changes for the applicable WIs, Other parts not covered elsewhere.

## 5.2 NR V2X

(5G\_V2X\_NRSL-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Aug 20; WID: [RP-200129](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200129.zip)).

CR rapporteurs will take care of miscellaneous CRs to collect small changes. Please contact / coordinate with CR rapporteur company first for small changes (e.g. non-controversial clarification/correction, editorial correction, etc.).

Tdoc Limitation: 1 tdocs

## 5.3 NR Positioning Support

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: [RP-191971](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-191971.zip))

(NR\_pos-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Jun 20; WID: [RP-200218](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_87e/Docs/RP-200218.zip)).

(NR TEI16 Positioning)

Stage 2 corrections shall be discussed with the specification rapporteur (Sven Fischer sfischer@qti.qualcomm.com) before submission. Stage 2 CRs not discussed with the specification rapporteur will not be treated.

Tdoc Limitation: 1 tdocs

R2-2402455 Correction to on-demand SIB request in RRC\_CONNECTED for RTK Huawei, HiSilicon CR Rel-16 38.331 16.16.0 4658 - F NR\_pos-Core

=> Revised in R2-2403700

R2-2403700 Correction to on-demand SIB request for RTK Huawei, HiSilicon CR Rel-16 38.331 16.16.0 4658 1 F NR\_pos-Core

R2-2402456 Correction to on-demand SIB request for RTK in R17 Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4659 - A NR\_pos-Core

=> Revised in R2-2403701

R2-2403701 Correction to on-demand SIB request for RTK Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4659 1 A NR\_pos-Core

R2-2402457 Correction to on-demand SIB request for RTK in R17 Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4660 - A NR\_pos-Core

=> Revised in R2-2403702

R2-2403702 Correction to on-demand SIB request for RTK Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4660 1 A NR\_pos-Core

R2-2403524 Missing Conditionally mandatory features without UE radio access capability parameters for 80ms scheduling offset for positioning SI acquisition Ericsson CR Rel-18 38.306 18.1.0 1086 - A NR\_pos-Core

R2-2403527 RIL E138 SBAS-ID Field Description Correction Ericsson, ZTE Corporation CR Rel-18 38.331 18.1.0 4752 - A NR\_pos-Core

R2-2403528 SBAS-ID Field Description Correction Ericsson, ZTE Corporation CR Rel-17 38.331 17.8.0 4753 - A NR\_pos-Core

R2-2403553 Missing Conditionally mandatory features without UE radio access capability parameters for 80ms scheduling offset for positioning SI acquisition Ericsson CR Rel-16 38.306 16.16.0 1087 - F NR\_pos-Core

R2-2403558 Missing Conditionally mandatory features without UE radio access capability parameters for 80ms scheduling offset for positioning SI acquisition Ericsson CR Rel-17 38.306 17.8.0 1088 - A NR\_pos-Core

R2-2403559 RIL E138 SBAS-ID Field Description Correction Ericsson, ZTE Corporation CR Rel-16 38.331 16.16.0 4756 - F NR\_pos-Core

# 6 NR Rel-17

Essential corrections only. Editorial/clarifications should be sent to be reviewed and approved by spec rapporteurs prior to submission. Editiorials should only be submitted by spec rapporteurs.

## 6.1 Common

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: [RP-211591](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211591.zip))

(NR\_UDC\_enh-Core; leading WG: RAN2; REL-17; WID: [RP-211203](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211203.zip))

(NG\_RAN\_PRN\_enh-Core; leading WG: RAN3; REL-17; WID: [RP-202363](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_90e/Docs/RP-202363.zip))

(NR\_IAB\_enh-Core; leading WG: RAN2; REL-17; WID: [RP-211548](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211548.zip))

(NR\_UE\_pow\_sav\_enh-Core; leading WG: RAN2; REL-17; WID: [RP-212630](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212630.zip))

(LTE\_NR\_DC\_enh2-Core; leading WG: RAN2; REL-17; WID: [RP-201040](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-201040.zip))

(LTE\_NR\_MUSIM-Core; leading WG: RAN2; REL-17; WID: [RP-212610](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212610.zip))

(NR\_Slice -Core; leading WG: RAN2; REL-17; WID: [RP-212534](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212534.zip))

(NR\_QoE-Core; leading WG: RAN3; REL-17; WID: [RP-211406](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211406.zip))

(NR\_ext\_to\_71GHz-Core; leading WG: RAN1; REL-17; WID: [RP-212637](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212637.zip))

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: [RP-211566](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211566.zip)): non-RACH-indication parts

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: [RP-211574](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211574.zip))

(NR\_feMIMO-Core; leading WG: RAN1; REL-17; WID: [RP-212535](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212535.zip))

(NR\_SmallData\_INACTIVE-Core, leading WG: RAN2; REL-17; WID: [RP-212594](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212594.zip))

(NR\_IIOT\_URLLC\_enh-Core; leading WG: RAN2; REL-17; WID: [RP-210854](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_91e/Docs/RP-210854.zip))

(NR\_MBS-Core; leading WG: RAN2; REL-17; WID: [RP-201038](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-201038.zip))

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: [RP-201281](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-201281.zip))

(NR\_NTN\_solutions-Core; leading WG: RAN2; REL-17; WID: [RP-211557](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_92e/Docs/RP-211557.zip))

PRACH partitioning items

NR TEI17: Corrections are accepted. New TEI17 tech proposal requirements: a) authored by an operator (and preferably co-signed by more), AND: b) resolves a concrete problem in the market for this operator (no new vendor initiated enhancements).

Includes Rel-17 Work Items without specific R2 Agenda Item, e.g. RAN1 and RAN4 led items, SA2 and CT1 led items (was previously “Rel-17 Other”)

Includes aspects that does not fit under the more specific AIs, e.g. multi-WI aspects.

Corrections for NR\_NTN\_solutions-Core might be treated in the NTN breakout session.

Tdoc limitation: 5 Tdocs

R2-2403239 Logging RLF report after a successful fast MCG recovery Ericsson CR Rel-17 38.331 17.8.0 4708 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2403240 Mirror CR on Logging RLF report after a successful fast MCG recovery Ericsson CR Rel-18 38.331 18.1.0 4709 - A NR\_ENDC\_SON\_MDT\_enh2-Core

### 6.1.1 Stage 2 and Organisational

Incoming LSs, etc. You should discuss your stage 2 CRs with the specification rapporteurs before submission. Includes impact to 38.300, 37.340, (36.300 if applicable)

R2-2402125 Reply LS on the service requirement of restricting satellite access RAT type (R3-241204; contact: Ericsson) RAN3 LS in Rel-17 NR\_NTN\_solutions, LTE\_NBIOT\_eMTC\_NTN To:SA2, CT4 Cc:CT1, SA1, RAN2

R2-2402136 LS on IE supportedBandwidthCombinationSetIntraENDC and IE intraBandENDC-Support (R4-2403809; contact: Google) RAN4 LS in Rel-17 TEI17 To:RAN2

R2-2402145 Reply LS on user consent for SON/MDT for NB-IoT UEs (S5-238102; contact: Ericsson) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2 Cc:SA3

#### 6.1.1.1 Other

R2-2403507 Discussion on supportedBandwidthCombinationSetIntraENDC and intraBandENDC-Support Google Inc. discussion

R2-2403510 Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc. CR Rel-17 38.331 17.8.0 4750 - F NR\_newRAT-Core

R2-2403515 Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc. CR Rel-17 38.306 17.8.0 1084 - F NR\_newRAT-Core

R2-2403518 Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc. CR Rel-18 38.331 18.1.0 4751 - A NR\_newRAT-Core

R2-2403523 Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc. CR Rel-18 38.306 18.1.0 1085 - A NR\_newRAT-Core

### 6.1.2 User Plane corrections

User Plane Related aspects will be handled in the User Plane break out session. (exception: TEI new proposals if any).

R2-2402872 Clarification on HARQ RTT Timer operation Apple, Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

R2-2402873 MAC clarificaiton on HARQ RTT Timer operation Apple CR Rel-17 38.321 17.8.0 1801 - F TEI17

R2-2402874 Clarification on HARQ RTT Timer operation Apple CR Rel-18 38.321 18.1.0 1802 - A TEI17

R2-2402964 The remaining issue of restarting the HARQ RTT Timer LG Electronics Inc. discussion Rel-17 Withdrawn

R2-2403343 Correction on multicast DRX to support NTN LG Electronics Inc. CR Rel-17 38.321 17.8.0 1820 - F NR\_MBS\_enh-Core, NR\_NTN\_enh-Core

R2-2403344 Correction on multicast DRX to support NTN LG Electronics Inc. CR Rel-18 38.321 18.1.0 1821 - A NR\_MBS\_enh-Core, NR\_NTN\_enh-Core

R2-2403379 Clarification on PHR and PHR MAC CE for feMIMO ZTE Corporation,Sanechips discussion Rel-17 NR\_FeMIMO-Core

R2-2403380 Corrections to PHR for PUSCH repetition with mTRP ZTE Corporation, Sanechips CR Rel-17 38.321 17.8.0 1822 - F NR\_FeMIMO-Core

R2-2403381 Corrections to PHR for PUSCH repetition with mTRP ZTE Corporation, Sanechips CR Rel-18 38.321 18.1.0 1823 - A NR\_FeMIMO-Core

R2-2403410 The remaining issue of restarting the HARQ RTT Timer LG Electronics Inc. discussion Rel-17

#### 6.1.2.1 Other

R2-2402985 Support of flexible number of TCI state activation Samsung CR Rel-17 38.321 17.8.0 1808 - F NR\_FeMIMO-Core

R2-2402986 Support of flexible number of TCI state activation Samsung CR Rel-18 38.321 18.1.0 1809 - A NR\_FeMIMO-Core

R2-2403685 Correction on RACH resource set availability check vivo, Guangdong Genius CR Rel-17 38.321 17.8.0 1827 - F NR\_redcap-Core, NR\_cov\_enh-Core, NR\_SmallData\_INACTIVE-Core

R2-2403686 Correction on RACH resource set availability check vivo, Guangdong Genius CR Rel-18 38.321 18.1.0 1828 - A NR\_redcap-Core, NR\_cov\_enh-Core, NR\_SmallData\_INACTIVE-Core

### 6.1.3 Control Plane corrections

#### 6.1.3.1 NR RRC

Corrections to 38331, and related change to other TS if applicable, except UE caps.

R2-2402183 Correction on Redcap 1 Rx and 2 Rx barring OPPO CR Rel-17 38.331 17.8.0 4643 - F NR\_redcap-Core

R2-2402184 Correction on (e)Redcap 1 Rx and 2 Rx barring OPPO CR Rel-18 38.331 18.1.0 4644 - A NR\_redcap-Core, NR\_redcap\_enh-Core

R2-2402238 CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.306 17.8.0 1060 - F NR\_redcap-Core, NR\_SON\_MDT-Core

R2-2402239 CEF and RLF reporting for (e)RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-18 38.306 18.1.0 1061 - A NR\_redcap-Core, NR\_SON\_MDT-Core, NR\_redcap\_enh-Core

R2-2402240 CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.331 17.8.0 4647 - F NR\_redcap-Core, NR\_SON\_MDT-Core

R2-2402241 CEF and RLF reporting for (e)RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-18 38.331 18.1.0 4648 - A NR\_redcap-Core, NR\_SON\_MDT-Core, NR\_redcap\_enh-Core

R2-2402243 CR to 38.331 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-17 38.331 17.8.0 4650 - B NR\_SmallData\_INACTIVE-Core

=> Revised in R2-2403707

R2-2403707 CR to 38.331 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-17 38.331 17.8.0 4650 1 B NR\_SmallData\_INACTIVE-Core

R2-2402244 CR to 38.331 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-17 38.306 17.8.0 1062 - B NR\_SmallData\_INACTIVE-Core

=> Revised in R2-2403708

R2-2403708 CR to 38.331 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-17 38.306 17.8.0 1062 1 B NR\_SmallData\_INACTIVE-Core

R2-2402245 CR to 38.306 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-18 38.306 18.1.0 1063 - A NR\_SmallData\_INACTIVE-Core, NR\_MT\_SDT-Core

R2-2402293 Correction to PDCP configuration for multicast MRB MediaTek Inc. CR Rel-18 38.331 18.1.0 4651 - A NR\_MBS-Core

R2-2402294 Correction to PDCP configuration for multicast MRB MediaTek inc. CR Rel-17 38.331 17.8.0 4652 - F NR\_MBS-Core

R2-2402358 Clarification on rsrp-ThresholdMsg3 Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4656 - F NR\_cov\_enh-Core

R2-2402480 CR to 38.331 on supporting paging monitoring for ongoing SDT MediaTek Inc. CR Rel-18 38.331 18.1.0 4663 - A NR\_SmallData\_INACTIVE-Core, NR\_MT\_SDT-Core

R2-2402520 Further considerations on periodicity of TRS resources for idle/inactive UEs CATT discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2402521 Correction on TRS for idle and inactive UEs CATT CR Rel-17 38.331 17.8.0 4668 - F NR\_UE\_pow\_sav\_enh-Core

R2-2402522 Correction on TRS for idle and inactive UEs CATT CR Rel-18 38.331 18.1.0 4669 - F NR\_UE\_pow\_sav\_enh-Core

R2-2402523 Correction on TRS for idle and inactive UEs CATT CR Rel-18 38.300 18.1.0 0836 - F NR\_UE\_pow\_sav\_enh-Core

R2-2402591 Missing measurement gap applicability description for NCSG OnePlus CR Rel-17 38.331 17.8.0 4675 - F NR\_MG\_enh-Core Revised

R2-2402607 Missing measurement gap applicability description for NCSG OPPO CR Rel-18 38.331 18.1.0 4676 - A NR\_MG\_enh-Core

R2-2402616 Discussion on FeatureCombinationPreambles for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2402617 Correction on FeatureCombinationPreambles for RedCap vivo, Guangdong Genius CR Rel-17 38.331 17.8.0 4677 - F NR\_redcap-Core Late

R2-2402618 Correction on FeatureCombinationPreambles for RedCap vivo, Guangdong Genius CR Rel-18 38.331 18.1.0 4678 - A NR\_redcap-Core Late

R2-2402640 Add abbreviation for GSO in 38.331 ZTE Corporation, Sanechips CR Rel-17 38.331 17.8.0 4680 - F NR\_NTN\_solutions-Core

R2-2402641 Add abbreviation for GSO in 38.331 ZTE Corporation, Sanechips CR Rel-18 38.331 18.1.0 4681 - A NR\_NTN\_enh-Core

R2-2402739 Discussion on eDRX system information change indication Nokia discussion Rel-17 NR\_redcap-Core

R2-2402740 Correction on eDRX system information change indication Nokia CR Rel-17 38.331 17.8.0 4685 - F NR\_redcap-Core

R2-2402741 Correction on eDRX system information change indication Nokia CR Rel-18 38.331 18.1.0 4686 - A NR\_redcap-Core

R2-2402777 Prioritization of SDT unicast over MBS broadcast Samsung, Ericsson CR Rel-17 38.331 17.8.0 4690 - F NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core

R2-2402778 Clarification on multicast MRBs during SDT configuration Samsung CR Rel-17 38.331 17.8.0 4691 - F NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core

R2-2402922 Clarification on codebook types in UE capability enquiry Samsung discussion Rel-17 NR\_FeMIMO-Core Withdrawn

R2-2403076 Correction on the target cell information in intra-RAT SHR ZTE Corporation, Sanechips CR Rel-17 38.331 17.8.0 4698 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2403077 Correction on the target cell information in intra-RAT SHR ZTE Corporation, Sanechips CR Rel-18 38.331 18.1.0 4699 - A NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403155 Discussion on QoE session status handling during CHO Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

R2-2403250 Correction CR for QoE measurements and conditional handover Ericsson CR Rel-17 38.331 17.8.0 4712 - F NR\_QoE-Core

R2-2403251 Correction CR for QoE measurements and conditional handover Ericsson CR Rel-18 38.331 18.1.0 4713 - A NR\_QoE-Core

R2-2403258 Corrections to description of rach-OccasionsSI for SI request Samsung CR Rel-17 38.331 17.8.0 4714 - F NR\_cov\_enh-Core, NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_slice-Core

R2-2403268 Correction on RedCap 1 Rx and 2 Rx barring Nokia CR Rel-17 38.331 17.8.0 4561 1 F NR\_redcap-Core R2-2400828

R2-2403269 Correction on (e)Redcap 1 Rx and 2 Rx barring Nokia CR Rel-18 38.331 18.1.0 4632 1 F NR\_redcap-Core, NR\_redcap\_enh-Core R2-2401770

R2-2403278 Corrections to description of rach-OccasionsSI for SI request Samsung Electronics Co., Ltd CR Rel-18 38.331 18.1.0 4716 - A NR\_cov\_enh-Core, NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_slice-Core

R2-2403331 Miscellaneous non-controversial corrections Set XX Ericsson CR Rel-17 38.331 17.8.0 4718 - F NR\_newRAT-Core Late

R2-2403389 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm Incorporated CR Rel-17 38.331 17.8.0 4734 - F TEI17 Withdrawn

R2-2403392 Missing measurement gap applicability description for NCSG OPPO CR Rel-17 38.331 17.8.0 4675 1 F NR\_MG\_enh-Core R2-2402591

R2-2403396 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm CR Rel-18 38.331 18.1.0 4733 - A TEI17 Withdrawn

R2-2403453 Correction on setuprelease related procedural text in rel-17 Google CR Rel-17 38.331 17.8.0 4739 - F NR\_SL\_enh-Core, NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_pos\_enh-Core

R2-2403465 Correction on successful handover report configuration Samsung CR Rel-17 38.331 17.8.0 4744 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2403542 Clarification on TRS in idle and inactive Ericsson, MediaTek, ZTE, Nokia, Huawei, HiSilicon, Apple CR Rel-17 38.331 17.8.0 4754 - F NR\_UE\_pow\_sav\_enh-Core

R2-2403543 Correction on TRS in idle and inactive Ericsson, MediaTek, ZTE, Nokia, Huawei, HiSilicon, Apple CR Rel-18 38.331 18.1.0 4755 - F NR\_UE\_pow\_sav\_enh-Core

R2-2403544 DRAFT Reply LS on periodicity of TRS resources for idle/inactive UEs Ericsson LS out Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN1

R2-2403545 RLM and BFD relaxation when short DRX is configured Ericsson, Nokia, Qualcomm, Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2403619 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm Incorporated CR Rel-17 38.331 17.8.0 4760 - F TEI17 Withdrawn

R2-2403647 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm Incorporated CR Rel-17 38.331 17.8.0 4762 - F TEI17 Withdrawn

R2-2403654 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm Incorporated CR Rel-17 38.331 17.8.0 4763 - F TEI17

R2-2403655 Clarification to SIB2 processing when SUL is not configured on serving cell Qualcomm Incorporated CR Rel-18 38.331 18.1.0 4764 - A TEI17

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

R2-2402232 Discussion on R4-2403809 OPPO discussion Rel-17 TEI17

R2-2402666 Correction on modifiedMPR-Behaviour Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1070 - F NR\_NTN\_solutions-Core

R2-2402667 Correction on modifiedMPR-Behaviour Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1071 - A NR\_NTN\_solutions-Core

R2-2402668 Discussion on ambiguous signaling for intra-band EN-DC (LS R4-2403809) Huawei, HiSilicon discussion TEI17

R2-2403009 Correction to srs-AntennaSwitchingBeyond4RX-r17 Ericsson CR Rel-17 38.306 17.8.0 1072 - F NR\_FeMIMO-Core

R2-2403010 Correction to srs-AntennaSwitchingBeyond4RX-r17 Ericsson CR Rel-18 38.306 18.1.0 1073 - A NR\_FeMIMO-Core

R2-2403144 Internode signalling for UE maximum aggregated BW capability Ericsson discussion

R2-2403433 Clarification on the srs-AntennaSwitchingBeyond4RX-r17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.8.0 1075 - F NR\_FeMIMO-Core

R2-2403434 Clarification on the srs-AntennaSwitchingBeyond4RX-r17 ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1076 - A NR\_FeMIMO-Core

R2-2403435 Consideration on the Aggragated Bandwidth for the NR-DC ZTE Corporation, Sanechips discussion Rel-17 NR\_BCS4-Core

R2-2403436 Introduction of Inter-node Coordination on the Aggregated Bandwidth for the NR-DC (r17) ZTE Corporation, Sanechips CR Rel-17 38.331 17.8.0 4735 - F NR\_BCS4-Core

R2-2403437 Introduction of Inter-node Coordination on the Aggregated Bandwidth for the NR-DC (r18) ZTE Corporation, Sanechips CR Rel-18 38.331 18.1.0 4736 - A NR\_BCS4-Core

R2-2403438 Correction on the supportedBandwidthDL/UL-v1780 for the NR-DC (r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.8.0 1077 - F NR\_BCS4-Core

R2-2403439 Correction on the supportedBandwidthDL/UL-v1780 for the NR-DC (r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1078 - A NR\_BCS4-Core

R2-2403449 Inter-node signalling to support BCS5 aggregated bandwidth in NR-DC Nokia discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

R2-2403450 Correction to supportedMinBandwidth (Cat F) Nokia CR Rel-17 38.306 17.8.0 1080 - F NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

R2-2403451 Correction to supportedMinBandwidth Nokia CR Rel-18 38.306 18.1.0 1081 - A NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

R2-2403466 Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-17 38.331 17.8.0 4745 - F NR\_NTN\_solutions-Core

R2-2403467 Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-18 38.331 18.1.0 4746 - A NR\_NTN\_solutions-Core

R2-2403468 Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-17 38.306 17.8.0 1082 - F NR\_NTN\_solutions-Core

R2-2403470 Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-18 38.306 18.1.0 1083 - A NR\_NTN\_solutions-Core

R2-2403471 LS on usage of LEO or NGSO MediaTek Inc. LS out NR\_NTN\_solutions-Core To:RAN4

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

## 6.2 NR Sidelink relay

(NR\_SL\_Relay-Core; leading WG: RAN2; REL-17; WID: [RP-212601](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_93e/Docs/RP-212601.zip))

Tdoc Limitation: 1 tdoc

R2-2402513 Clarification on the Remote UE behaviour on short message monitoring CATT CR Rel-17 38.331 17.8.0 4665 - F NR\_SL\_relay-Core

R2-2402514 Clarification on the Remote UE behaviour on short message monitoring CATT CR Rel-18 38.331 18.1.0 4666 - A NR\_SL\_relay-Core

R2-2402678 Miscellaneous RRC corrections for Rel-17 SL relay Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4682 - F NR\_SL\_relay-Core

R2-2402679 Miscellaneous RRC corrections for SL relay Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4683 - A NR\_SL\_relay-Core

R2-2403309 SRAP-related corrections to 38.300 Samsung CR Rel-17 38.300 17.8.0 0787 1 F NR\_SL\_relay-Core R2-2400557

R2-2403310 SRAP-related corrections to 38.300 Samsung CR Rel-18 38.300 18.1.0 0788 1 A NR\_SL\_relay-Core R2-2400558 Withdrawn

R2-2403398 Correction on SidelinkUEInformationNR Philips International B.V. CR Rel-17 38.331 17.8.0 4731 - F NR\_SL\_relay-Core

R2-2403474 Corrections for SL relay ZTE, Sanechips CR Rel-17 38.331 17.8.0 4747 - F NR\_SL\_relay-Core

R2-2403475 Corrections for SL relay ZTE, Sanechips CR Rel-18 38.331 18.1.0 4748 - A NR\_SL\_relay-Core

R2-2403652 SRAP-related corrections to 38.300 Samsung CR Rel-18 38.300 18.1.0 0788 2 A NR\_SL\_relay-Core R2-2400558

## 6.3 Void

## 6.4 NR positioning enhancements

(NR\_pos\_enh-Core; leading WG: RAN1; REL-17; WID: [RP-210903](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_91e/Docs/RP-210903.zip))

Tdoc Limitation: 1 tdoc

R2-2402458 Correction on the UL TEG report Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4661 - F NR\_pos\_enh-Core

R2-2402459 Correction on the UL TEG report Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4662 - A NR\_pos\_enh-Core

R2-2403387 Correction on posSIB(s) acquisition [SI-SCHEDULING] Philips International B.V., Ericsson CR Rel-17 38.331 17.8.0 4467 1 F NR\_pos\_enh-Core R2-2313100

R2-2403388 Correction on posSIB(s) acquisition [SI-SCHEDULING] Philips International B.V., Ericsson CR Rel-18 38.331 18.1.0 4725 - A NR\_pos\_enh-Core

R2-2403525 Correction of when to cancel the triggered SR for positioning measurement gap activation/deactivation Ericsson CR Rel-18 38.321 18.1.0 1825 - A NR\_pos\_enh-Core

R2-2403526 Correction of when to cancel the triggered SR for positioning measurement gap activation/deactivation Ericsson CR Rel-17 38.321 17.8.0 1826 - F NR\_pos\_enh-Core

## 6.6 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: [RP-202846](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_90e/Docs/RP-202846.zip))

Tdoc Limitation: 1 tdoc

Note for RRC and MAC CRs, CR rapporteur’s summary and suggestion may be provided. CR rapporteurs will take care of miscellaneous CRs to collect small changes. Please contact / coordinate with CR rapporteur company first for small changes (e.g. non-controversial clarification/correction, editorial correction, etc.).

R2-2402319 Coexistence between SL DRX and SL IUC LG Electronics France discussion NR\_SL\_enh-Core

R2-2402851 Correction on coexistence between SL DRX and SL IUC LG Electronics Inc. CR Rel-17 38.321 17.8.0 1798 - F NR\_SL\_enh-Core

R2-2402853 Correction on coexistence between SL DRX and SL IUC LG Electronics Inc. CR Rel-18 38.321 18.1.0 1799 - A NR\_SL\_enh2

R2-2402944 Correction to the IUC based resource selection Ericsson CR Rel-17 38.321 17.8.0 1805 - F NR\_SL\_enh-Core

R2-2402945 Correction to the IUC based resource selection Ericsson CR Rel-18 38.321 18.1.0 1806 - A NR\_SL\_enh-Core

R2-2403584 Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-17 38.331 17.8.0 4757 - F NR\_SL\_enh-Core

R2-2403585 Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-18 38.331 18.1.0 4758 - A NR\_SL\_enh-Core

# 7 Rel-18

## 7.0 Common

Multi-WI Rel-18 items, e.g. cross-WI-issues not handled under another WI. UE capabilities.

### 7.0.1 UE Capabilites

Multi-WI handling of Rel-18 feature lists and UE capability Mega CRs.

R2-2402109 LS on Rel-18 RAN1 UE features list for NR after RAN1#116 (R1-2401711; 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

R2-2402132 LS on RAN4 UE feature list for Rel-18 (version 3) (R4-2403636; contact: CMCC) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2, NR\_channel\_raster\_enh, NR\_FR2\_multiRX\_DL, NR\_RRM\_enh3, NR\_MG\_enh2, NonCol\_intraB\_ENDC\_NR\_CA, NR\_HST\_FR2\_enh, NR\_ATG, NR\_demod\_enh3, NR\_pos\_enh2, NR\_MC\_enh, NR\_Mob\_enh2, NR\_NTN\_enh, NR\_cov\_enh2, Netw\_Energy\_NR, 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC, NR\_SL\_enh2 To:RAN2 Cc:RAN1

R2-2402231 Left issues on SL-U Power Class Capability OPPO discussion Rel-18 NR\_SL\_enh2

R2-2403440 Correction on the srs-AntennaSwitching8T8R-r18 (38331) ZTE Corporation, Sanechips CR Rel-18 38.331 18.1.0 4737 - F NR\_MIMO\_evo\_DL\_UL

R2-2403441 Correction on the srs-AntennaSwitching8T8R-r18 (38306) ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1079 - F NR\_MIMO\_evo\_DL\_UL

R2-2403665 Capabilities for PDCCH-ordered RACH Ericsson discussion

### 7.0.2 CCCH LCID extension

Tdoc limitation: 1

Corrections only

### 7.0.3 ASN.1 Review

Contributions on common ASN.1 identified issues and other general issues (Tdoc limitation of 1 addressing all RILs applies to this AI as well)

R2-2402233 [O319][O320] Discussion SL-feature Co-configuration OPPO, Nokia, Samsung discussion Rel-18 NR\_pos\_enh2, NR\_UAV-Core, NR\_SL\_relay\_enh-Core, NR\_SL\_enh2 Late

R2-2402765 [H071] Paging collision between MBS and SDT Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core, NR\_MT\_SDT-Core Late

R2-2402992 LTE ASN.1 Review file Samsung discussion Rel-18 Late

R2-2402993 LTE RIL List Samsung discussion Rel-18 Late

R2-2402994 LTE ASN.1 Class 0 Issues Samsung discussion Rel-18 Late

R2-2403322 Miscellaneous corrections from ASN.1 review Q2 Ericsson CR Rel-18 38.331 18.1.0 4717 - F TEI18 Late

R2-2403323 RIL List for MULTI/Gen issues Ericsson discussion Rel-18 TEI18 Late

R2-2403326 MULTI/GEN Exxx RILs Ericsson discussion Rel-18 TEI18 Late

R2-2403327 NR ASN.1 Q2 Class 0 Issues Ericsson discussion Rel-18 TEI18 Late

R2-2403328 NR ASN.1 Q2 Review file Ericsson discussion Rel-18 TEI18 Late

R2-2403329 NR RIL List Q2 Phase 1 Ericsson discussion Rel-18 TEI18 Late

###  RACH-less HO

*Corrections to generalized RACH-less HO procedure, including NTN, mIAB, and overlapping sections of the LTM cell switch procedure*

*Including outcome of [POST125][024][RACH-less] Remaining issues (Samsung, InterDigital)*

*Tdoc limitation 1*

R2-2402460 Rapporteur correction to MAC spec for RACH-less HO [RACH-lessHO] Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1791 - F TEI18

=> Revised in R2-2403711

R2-2403711 Rapporteur correction for RACH-less HO [RACH-lessHO] Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1791 1 F TEI18

R2-2402461 Corrections to remaining issues for RACH-less HO for MAC spec [RACH-lessHO] Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1792 - F TEI18

R2-2402865 Remaining issues on RACH-less HO Apple discussion Rel-18 NR\_mobile\_IAB-Core, NR\_Mob\_enh2-Core, NR\_NTN\_enh-Core, TEI18

R2-2402917 Remaining MAC issues in RACH-less HO procedure CATT discussion

R2-2403182 [E242] Rapporteur corrections on RRC for the generalization of RACH-less [RACH-lessHO] Ericsson CR Rel-18 38.331 18.1.0 4706 - F NR\_mobile\_IAB-Core, NR\_Mob\_enh2-Core, NR\_NTN\_enh-Core, TEI18

R2-2403297 Report of [POST125][024][RACH-less] Remaining issues – Capabilities Samsung, InterDigital report

R2-2403317 Report of [POST125][024][RACH-less] Remaining issues - Other InterDigital, Samsung discussion Rel-18 NR\_NTN\_enh-Core

R2-2403318 DRAFT LS on parameters used for CG RACH-less Handover InterDigital LS out Rel-18 NR\_NTN\_enh-Core To:RAN1

R2-2403352 Corrections to CG-based RACH-less HO Samsung discussion Rel-18

R2-2403463 Remaining issue on RACH-less handover generalization in MAC LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core, TEI18

R2-2403588 RACHless HO support in release 18 Nokia CR Rel-18 38.300 18.1.0 0799 2 B TEI18 R2-2401165

R2-2403593 RACHless open issues Nokia discussion Rel-18 TEI18

R2-2403709 Discussion on remaining issues for RACH-less HO for MAC spec [RACH-lessHO] Huawei, HiSilicon discussion Rel-18 TEI18 Late

### 7.0.5 Other

R2-2402298 discussion on RACH based SDT PML discussion

R2-2402331 Discussion on SL-U and SL-CA co-existence with SL-PRS transmission and A2X communication vivo discussion Rel-18

R2-2402462 Correction on RACH resource set selection for CFRA Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1793 - F NR\_redcap\_enh-Core, NR\_MIMO\_evo\_DL\_UL-Core, NR\_cov\_enh2-Core Revised

R2-2402463 Discussion on the co-existence of R18 SL enhancements Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core, NR\_SL\_relay\_enh-Core, NR\_SL\_enh2, NR\_pos\_enh2

R2-2402464 Guideline for late non-critical extension [lateNonCriticalExt] Huawei, HiSilicon discussion Rel-18 TEI18

R2-2403038 Miscellaneous corrections Samsung (Rapporteur) CR Rel-16 38.321 16.15.0 1810 - F 5G\_V2X\_NRSL-Core

R2-2403039 Miscellaneous corrections Samsung (Rapporteur) CR Rel-17 38.321 17.8.0 1811 - A 5G\_V2X\_NRSL-Core

R2-2403040 Miscellaneous corrections Samsung (Rapporteur) CR Rel-18 38.321 18.1.0 1812 - A 5G\_V2X\_NRSL-Core

R2-2403330 Draft LS on ASN1 names in RAN1 parameter list Ericsson discussion Rel-18 TEI18 Late

R2-2403364 Correcting Figures Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0852 - F TEI18, NR\_newRAT-Core

R2-2403583 Co-existence of different SL services ZTE Corporation, Sanechips discussion Rel-18

R2-2403642 Correction on RACH resource set selection for CFRA Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1793 1 F NR\_cov\_enh2-Core, NR\_MIMO\_evo\_DL\_UL-Core, NR\_redcap\_enh-Core R2-2402462

## 7.1 NR network-controlled repeaters

(NR\_NetConRepeater; leading WG: RAN1; REL-18; WID: [RP-230175](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_99/Docs/RP-230175.zip))

Time budget: 0 TU

Essential corrections only. For smaller corrections please contact CR editor / Rapporteur directly.

R2-2403316 Correction to BFR for NCR Samsung CR Rel-18 38.321 18.1.0 1819 - F NR\_netcon\_repeater-Core

### 7.1.1 Organizational

Including incoming LSs and rapporteur inputs.

R2-2403627 Clarification to Network-Controlled Repeaters Stage-2 description Ericsson, Nokia CR Rel-18 38.300 18.1.0 0808 1 F NR\_netcon\_repeater R2-2401387

R2-2403730 RILs conclusion for NCR ZTE Corporation (rapporteur) discussion Rel-18 NR\_netcon\_repeater-Core Late

### 7.1.2 Others

R2-2403445 Correction to P-Max and NS value usage for NCR-MT Nokia CR Rel-18 38.331 18.1.0 4475 1 F NR\_netcon\_repeater-Core R2-2313195

R2-2403446 Discussion on P-Max and NS value handling for NCR-MT Nokia discussion Rel-18 NR\_netcon\_repeater-Core

## 7.2 Expanded and improved NR positioning

(NR\_pos\_enh2; leading WG: RAN1; REL-18; WID: [RP-232670](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_101/Docs/RP-232670.zip))

Time budget: 0 TU

Tdoc Limitation: 4 tdocs

### 7.2.1 Organizational

Including incoming LSs and rapporteur inputs. CR rapporteurs are asked to continue maintaining an open issues list reflecting known issues to be handled during the maintenance phase.

R2-2402106 Reply LS on MAC agreements for SL Positioning (R1-2401552; contact: Intel) RAN1 LS in Rel-18 NR\_pos\_enh2-Core To:RAN2

R2-2402108 LS on bandwidth aggregation for positioning (R1-2401708; contact: ZTE) RAN1 LS in Rel-18 NR\_pos\_enh2-Core To:RAN2, RAN3

R2-2402118 LS on the bandwidth used in measurements for positioning of RedCap UEs (R1-2401801; contact: Ericsson) RAN1 LS in Rel-18 NR\_pos\_enh2 To:RAN2,RAN4

R2-2402121 LS on higher layer parameters for SL Positioning (R1-2401827; contact: Intel, Qualcomm) RAN1 LS in Rel-18 NR\_pos\_enh2-Core To:RAN2

R2-2402127 Updates on measurement report mapping for Positioning Enhancements WI (R4-2403363; contact: Huawei) RAN4 LS in Rel-18 NR\_pos\_enh2 To:RAN2, RAN3 Cc:RAN1

R2-2402133 LS on SRS and PRS bandwidth aggregation feature for positioning (R4-2403654; contact: Ericsson) RAN4 LS in Rel-18 NR\_pos\_enh2 To:RAN1 Cc:RAN2

R2-2402141 Reply LS on UE selection for Ranging\_SL (S2-2403682; contact: Qualcomm) SA2 LS in Rel-18 Ranging\_SL To:CT1 Cc:RAN2

R2-2402255 LPP RIL list for Rel-18 Positioning CATT discussion Rel-18 NR\_pos\_enh2

=> Revised in R2-2403721

R2-2403721 LPP RIL list for Rel-18 Positioning CATT discussion Rel-18 NR\_pos\_enh2

R2-2402256 Corrections to TS 37.355 CATT CR Rel-18 37.355 18.1.0 0500 - F NR\_pos\_enh2-Core

R2-2402257 Leftover Issues on LPP CATT discussion Rel-18 NR\_pos\_enh2

R2-2402258 Questions on PRS and SRS bandwidth aggregation CATT LS out Rel-18 NR\_pos\_enh2 To:RAN1 Cc:RAN4

R2-2403532 Bandwidth used in measurements for positioning of RedCap Ues Ericsson discussion Rel-18

R2-2403533 Open issues list For RRC Positioning Ericsson discussion Rel-18

R2-2403536 On SRS and PRS bandwidth aggregation feature for positioning Ericsson discussion Rel-18

R2-2403537 Miscellaneous RRC Positioning Corrections Ericsson CR Rel-18 38.331 18.1.0 4759 - F NR\_pos\_enh2

### 7.2.2 Stage 2

Impact to 38.300, 37.340, and 38.305. For each specification, a single CR with miscellaneous corrections is requested from the CR rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

This agenda item may be handled at lower priority.

R2-2402469 Correction to TS 38300 for R18 SL positioning Huawei, HiSilicon CR Rel-18 38.300 18.1.0 0835 - F NR\_pos\_enh2 Revised

R2-2402470 Correction to TS 38305 for R18 positioning Huawei, HiSilicon CR Rel-18 38.305 18.1.0 0162 - F NR\_pos\_enh2

R2-2402646 Discussion on remaining corrections in stage-2 ZTE Corporation discussion Rel-18 NR\_pos\_enh2

R2-2403188 Miscellaneous Stage 2 Corrections Qualcomm Incorporated CR Rel-18 38.305 18.1.0 0163 - F NR\_pos\_enh2

R2-2403500 Further clarifications for Positioning in RRC\_INACTIVE state Nokia discussion Rel-18 38.305 NR\_pos\_enh2-Core

R2-2403535 Text Proposal for Stage2 TS 38.305 Ericsson discussion Rel-18

R2-2403625 Correction to TS 38300 for SL positioning Huawei, HiSilicon CR Rel-18 38.300 18.1.0 0835 1 F NR\_pos\_enh2 R2-2402469

### 7.2.3 SLPP corrections

Impact to 38.355. A single CR with miscellaneous corrections is requested from the spec rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402414 [Post125][407][POS] 38.355 updated Open Issue list Intel Corporation discussion Rel-18 NR\_pos\_enh2-Core

R2-2402415 Further considerations on SLPP open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2-Core

R2-2402416 Miscellaneous corrections to SLPP specification Intel Corporation CR Rel-18 38.355 18.1.0 0003 - F NR\_pos\_enh2-Core

R2-2402465 Discussion on the remaining issues for R18 SLPP Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2 Late

R2-2402517 Discussion on the necessity of including the server UE positioning method in the discovery message OPPO, LG discussion Rel-18 NR\_pos\_enh2 R2-2401464

R2-2402555 Correction on the maximum number of SL-PRS resource ID in ARP info vivo draftCR Rel-18 38.355 18.1.0 F FS\_NR\_pos\_enh2

R2-2402647 Discussion on remaining corrections in SLPP ZTE Corporation discussion Rel-18 NR\_pos\_enh2

R2-2402707 Discussion on SLPP open issues Xiaomi discussion Rel-18 NR\_pos\_enh2

R2-2402792 Discussion on error messaging in SLPP Lenovo discussion Rel-18 NR\_pos\_enh2

R2-2402899 Miscellaneous SLPP corrections Apple discussion Rel-19 NR\_pos\_enh2

R2-2402937 Further discussion on anchor UE selection LG Electronics Inc. discussion Rel-18

R2-2403189 Remaining issues for SLPP Qualcomm Incorporated discussion

R2-2403231 Inclusion of the Server UE Positioning Method in the Discovery Message CEWiT discussion

R2-2403261 [H016][ZTE004][A006] SLPP corrections Nokia discussion Rel-18

R2-2403424 Remaining issues on SLPP Samsung discussion Rel-18 NR\_pos\_enh2

R2-2403534 Discussion on SLPP RIL issues Ericsson discussion Rel-18 Late

R2-2403541 SLPP RIL Issue Ericsson discussion Rel-18

### 7.2.4 LPP corrections

Impact to 37.355. A single CR with miscellaneous corrections is requested from the CR rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402259 Discussion on measurement report for the bandwidth aggregation CATT discussion Rel-18 NR\_pos\_enh2

R2-2402466 Discussion on the remaining issues for R18 LPP Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2 Late

R2-2402556 Correction on RSCP measurement info in PRU DL info vivo draftCR Rel-18 37.355 18.1.0 F FS\_NR\_pos\_enh2

R2-2402648 Discussion on remaining corrections in LPP ZTE Corporation discussion Rel-18 NR\_pos\_enh2

R2-2402998 LPP Stage 3 Open Issue - CPP Lenovo discussion Rel-18

R2-2403190 [RILs Q014 Q019, Q024, Q028] LPP Corrections Qualcomm Incorporated discussion

R2-2403191 LPP Open Issues: PRU Operation and DL-PRS–DRX Alignment Qualcomm Incorporated discussion

R2-2403501 Corrections to NR-PRU-DL-Info IE Nokia discussion Rel-18 37.355 NR\_pos\_enh2-Core

R2-2403502 Request for carrier phase measurement or joint measurement and clarification for time window configuration Nokia discussion Rel-18 37.355 NR\_pos\_enh2-Core

R2-2403540 LPP RIL issue Ericsson discussion Rel-18

### 7.2.5 RRC corrections

Impact to 38.331, except for UE capabilities. A single CR with miscellaneous corrections is requested from the CR rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402260 Activation of SP SRS When Configured with Validity Area CATT discussion Rel-18 NR\_pos\_enh2

R2-2402261 Discussion on the release of SRS configuration CATT, Samsung, LG Electronics Inc, Xiaomi discussion Rel-18 NR\_pos\_enh2 R2-2400202

R2-2402333 Discussion on remaining RRC issues on the positioning OPPO discussion NR\_pos\_enh2

R2-2402417 [I166-I171] Further considerations on parameters in SUI and UAI Intel Corporation discussion Rel-18 NR\_pos\_enh2-Core

R2-2402468 Discussion on the remaining issues for R18 RRC Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2 Late

R2-2402557 Discussion on SUI Content for Sidelink Positioning vivo discussion Rel-18 FS\_NR\_pos\_enh2

R2-2402558 RRC correction for UE not supporting sidelink positioning in limited service state in 5GS vivo draftCR Rel-18 38.331 18.1.0 F FS\_NR\_pos\_enh2

R2-2402649 Discussion on remaining corrections in RRC ZTE Corporation discussion Rel-18 NR\_pos\_enh2

R2-2402832 Discussion on the remaining issues for the SRS with validity area Xiaomi discussion

R2-2403194 Remaining issues for pre-configured SRS Qualcomm Incorporated discussion

R2-2403416 [S208][S209][S210] Remaining issues on RRC Samsung discussion Rel-18 NR\_pos\_enh2

R2-2403718 [X041] Correction on SL-PRS-QoS-Info Beijing Xiaomi Mobile Software discussion Rel-18

### 7.2.6 MAC corrections

Impact to 38.321. A single CR with miscellaneous corrections is requested from the CR rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402262 Discussion on the remaining issues on bandwidth aggregation for SRS CATT discussion Rel-18 NR\_pos\_enh2

R2-2402334 Discussion on RAN1 reply LS on SL-PRS transmission OPPO discussion NR\_pos\_enh2

R2-2402467 Rapporteur MAC CR for R18 positioning Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1794 - F NR\_pos\_enh2

R2-2402471 Discussion on the remaining issues for MAC for R18 positioning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

R2-2402577 Discussion on SL-PRS ASUSTeK discussion Rel-18 38.321 NR\_pos\_enh2

R2-2402650 Discussion on remaining corrections in MAC ZTE Corporation discussion Rel-18 NR\_pos\_enh2

R2-2402706 Discussion on SL positioning MAC open issues Xiaomi discussion Rel-18 NR\_pos\_enh2

R2-2403201 MAC CE for activation/deactivation of aggregated SP SRS for positioning Qualcomm Incorporated discussion

R2-2403341 Discussion on remaining MAC issues for SL positioning InterDigital, Inc. discussion Rel-18 NR\_pos\_enh2

R2-2403417 Remaining issues on MAC Samsung discussion Rel-18 NR\_pos\_enh2

R2-2403531 Addressing MAC open issues Ericsson discussion Rel-18

### 7.2.7 UE capabilities

Impact to 38.306 and capability-related impact to 38.331. A single CR with miscellaneous corrections is requested from the CR rapporteur; minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402321 Compatibility between Redcap positioning feature and other R18 positioning features CATT discussion Rel-18 NR\_pos\_enh2

R2-2402578 Correction on UE capability regarding SL PRS ASUSTeK discussion Rel-18 38.306 NR\_pos\_enh2

### 7.2.8 Corrections to other specifications

Impact to any specifications not identified above.

## 7.3 Network energy savings for NR

(Netw\_Energy\_NR -Core; leading WG: RAN1; REL-18; WID: [RP-223540](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-223540.zip))

Time budget: 0 TU

Tdoc Limitation: 2 tdocs

### 7.3.1 Organizational

LS, workplan, email discussion etc

Spec rapporteurs are expected to submitt additional contribution on open issues to conclude WI by December

R2-2402119 LS on Network Energy Savings (R1-2401810; contact: Intel, Huawei) RAN1 LS in Rel-18 Netw\_Energy\_NR-Core To:RAN2

R2-2402566 Discussion on UE capabilities for inter-band SSB-less SCell vivo discussion Rel-18

R2-2402567 Correction on UE capabilities for inter-band SSB-less SCell vivo draftCR Rel-18 38.306 18.1.0 F Netw\_Energy\_NR-Core

R2-2402781 Network energy savings for NR miscellaneous RRC CR Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4692 - F Netw\_Energy\_NR-Core

R2-2402856 (Draft) Reply LS on handling repetition of PUCCH in Cell DRX Apple LS out Rel-18 Netw\_Energy\_NR-Core To:RAN1

R2-2403267 Network energy savings for NR miscellaneous MAC CR InterDigital CR Rel-18 38.321 18.1.0 1816 - F Netw\_Energy\_NR-Core Withdrawn

R2-2403704 NES WI RIL list Huawei, HiSilicon report Rel-18 Netw\_Energy\_NR-Core

### 7.3.2 User Plane

R2-2402160 Clarifications on emergency service handling under cell DTRX Xiaomi discussion Rel-18

R2-2402596 Coexistence of Cell DTXDRX and RACH-less LTM and handover Sharp discussion

R2-2402656 Discussion on remaining issues for the emergency call CATT discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402657 The correction on MAC spec in NES CATT discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402779 Discussion on capturing RAN1 agreements regarding repetitions for cell DTX/DRX in the MAC specification Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402855 Remaining user plane open issues on NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

R2-2403008 Remaining MAC aspects for cell DTX-DRX Ericsson discussion

R2-2403127 Coexistence of Cell DTX DRX and RACH-less LTM OPPO discussion Rel-18 Netw\_Energy\_NR

R2-2403128 Discussion on cell DTX DRX based on RAN1 LS OPPO discussion Rel-18 Netw\_Energy\_NR

R2-2403266 Remaining issues on Cell DTX/DRX InterDigital, Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR-Core

R2-2403356 Remaining issues on cell DTX and cell DRX mechanism LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

R2-2403386 Remaining UP issues on Cell DTX/DRX Samsung discussion Rel-18 Netw\_Energy\_NR-Core

R2-2403615 Capturing RAN1 agreements on handling of transmission and reception of channels during Cell DTX and DRX ZTE Corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

### 7.3.3 Control Plane corrections

R2-2402161 Clarifications on SSB-less SCell configuration for R15 or R18 case Xiaomi discussion Rel-18

R2-2402636 Clarification on configuration of the condEventA4 in NES ZTE Corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402780 [H080] [H081] Corrections to CSI-ReportSubConfig based on RAN1 parameter list Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402822 UE capability for SSB-less Scell Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402854 Remaining control plane open issues on NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

R2-2402932 NES CP Corrections Samsung discussion Rel-18

R2-2403185 Discussion on CHO for Rel-18 NES Ericsson discussion Rel-18 Netw\_Energy\_NR-Core

R2-2403342 RRC CR to resolve issues on NES mode indication Lenovo CR Rel-18 38.331 18.1.0 4719 - F Netw\_Energy\_NR-Core Revised

R2-2403345 RRC CR to resolve issues on NES mode indication Lenovo, NEC, CEWiT, Continental Automotive, Google CR Rel-18 38.331 18.1.0 4719 1 F Netw\_Energy\_NR-Core R2-2403342

R2-2403594 Distinguishing CHO for Cell DTX/DRX or Cell off Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

R2-2403595 Details of subconfiguration Nokia discussion Rel-18 FS\_Netw\_Energy\_NR

R2-2403646 Clarification on NES CHO triggering and measurements LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

## 7.4 Further NR mobility enhancements

(NR\_Mob\_enh2-Core; leading WG: RAN2; REL-18; WID:RP-233970)

Time budget: 0 TU)

Tdoc Limitation: 5 tdocs (if you want to input beyond the tdoc limitation, please cooperate with CR Rapporteurs).

### 7.4.1 Organizational

Including LSs.

R2-2402117 "LS on TCI state after cell switch command for LTM ( R1-2401785; contact: Fujitsu)" RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

R2-2402131 LS on R18 mobility - Improvement on SCell/SCG setup delay (R4-2403549; contact: Apple) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

R2-2403174 Miscellaneous corrections on further mobility enhancements in NR Ericsson CR Rel-18 38.331 18.1.0 4705 - F NR\_Mob\_enh2-Core Late

R2-2403175 RILs conclusions for feMob Ericsson discussion Rel-18 NR\_Mob\_enh2-Core Late

R2-2403176 Discussion on RILs conclusion Mobillity Ericsson discussion Rel-18 NR\_Mob\_enh2-Core Late

### 7.4.2 Stage-2 Corrections

Corrections to 38300 (MTK) and 37340 (ZTE) and stage-2 centric issues (including tdocs on stage-2 centric issue that also impact other TS). Preferably work with CR Rapporteurs for Stage-2 corrections instead of separate CRs.

R2-2402747 Miscellaneous corrections for mobility enhancements in TS 37.340 ZTE Corporation CR Rel-18 37.340 18.1.0 0391 - F NR\_Mob\_enh2-Core

R2-2402995 Misc corrections on LTM MediaTek Inc., Ericsson CR Rel-18 38.300 18.1.0 0842 - F NR\_Mob\_enh2-Core

### 7.4.3 RRC Corrections

RRC corrections and Control Plane Centric Issues (including tdocs on control plane centric issue that also impact other TS). Including ASN.1 review issues and their resolutions.

R2-2403177 [E068][E231][E074][E240][S792]Resolution of remaining RILs for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core Late

R2-2403178 Co-existance of LTM with NES, NR-U, and other features Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

#### 7.4.3.1 L1L2 Triggered Mobility

R2-2402234 [E068] On SecurityConfig for LTM MediaTek Inc. discussion NR\_Mob\_enh2-Core

R2-2402235 Fast Recovery with LTM Candidates MediaTek Inc. discussion NR\_Mob\_enh2-Core

R2-2402236 LTM and MIMO 2TA MediaTek Inc. discussion NR\_Mob\_enh2-Core

R2-2402265 [F013-015] [F031-033] Corrections to TS 38.331 on LTM Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402436 Discussion on RRC issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402439 Discussion on cross-feature issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402498 [C127][C128][C129] RRC Issues on LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402499 [E074][E068] On Postponed RRC Issues CATT discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402609 Discussion on the LTM fast recovery after RLF triggered by maximum number of RLC retransmissions vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402610 Discussion on the impact of s-Measure on L1 measurement discussion vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402723 Fallback for RACH-less LTM Lenovo discussion Rel-18

R2-2402744 Discussion on remaining issues for LTM ZTE Corporation discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402846 Remaining coexistence issue for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402905 Handling the transaction ID issue with LTM Apple discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402921 Discussion on TAT expiry during LTM execution Samsung discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402996 RRC signaling related TCI state configurations Panasonic discussion Rel-18

R2-2403032 Clarification on handling of conditional reconfiguration upon LTM-based recovery LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403187 Control plane centric issues for LTM Langbo discussion Rel-18 38.331 NR\_Mob\_enh2-Core

R2-2403263 Indication of the LTM configuration ID by the UE Apple CR Rel-18 38.331 18.1.0 4715 - F NR\_Mob\_enh2-Core

R2-2403279 Remaining Co-existence Aspects of LTM with L3 Mobility and DC Nokia discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403284 [H091][H092][H093][E068][H094][H095][H096] RRC remaining issues for LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403299 On Reference Configuration [N133] and Early Processing of LTM candidates in Rel-18 Nokia discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403308 On Mobility RILs [E068] and [S792] Nokia discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403374 On Support 2TA For LTM Candidate ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403454 [G125] Discussion on LTM cell switch execution during fast MCG recovery procedure Google Inc. discussion Rel-18 38.331 NR\_Mob\_enh2-Core

R2-2403493 Discussion on SCG LTM while MCG failure recovery Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403513 Rel-18 L1/L2 triggered mobility remaining issues Sharp discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403519 [F034][F035] Further issues on state variable continuation at fast LTM recovery Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403653 [S792] SRB3 release during SCPAC and LTM Samsung discussion Late

R2-2403712 [B120][B121]coexistence of LTM and conditional reconfiguration Lenovo discussion Rel-18 NR\_Mob\_enh2-Core

#### 7.4.3.2 Conditional Mobility

Includes both Subsequent CPAC and CHO including target MCG and candidate SCGs for CPC CPA in NR-DC.

R2-2402500 [C126] RRC Issue on CHO with SCGs CATT discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402501 [C144][C145][C146][C130][C147] RRC Issues on SCPAC CATT discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402611 Discussion on simultaneous evaluation for both condRRCReconfig and condExecutionCondSCG vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402745 Discussion on inter-node RRC message for intra-SN SCPAC in MN format ZTE Corporation discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402931 Considerations on CHO with SCG(s) and Subsequent CPAC Samsung R&D Institute UK discussion

R2-2402967 Discussion on remaining issues of L2 reset for SCPAC NEC discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403145 RIL-N091 and other remaining open issues for SCPAC Nokia discussion

R2-2403252 Open issues for subsequent CPAC Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403285 [H083][H084][H085][H087][H097][H114] Remaining issues for subsequent CPAC Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403285 [O203] Issue on RRCReconfigurationComplete message delivery for intra-SN SCPAC OPPO (chongqing) Intelligence discussion Rel-18 NR\_Mob\_enh2-Core

#### 7.4.3.3 eEMR and IMR

R2-2402328 Discussion on eEMR SCell setup delay vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402440 Open issues for IMR and eEMR OPPO discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402746 Remaining issues on eEMR and IMR ZTE Corporation discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403253 Discussion on early measurements enhancements Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403286 [H144][H145][H146][H147] Issues on eEMR and IMR Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403494 Discussion on eEMR and IMR Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403596 [N111][N112] Discussion and TP for EMR and non-EMR Nokia discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403644 CA-DC capability checking for Reselection Measurement Reporting LG Electronics Inc. discussion NR\_Mob\_enh2-Core

R2-2403720 [X124] Discussion on validity status Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.4 MAC Corrections

MAC corrections and User Plane Centric Issues (including tdocs on user plane centric issue that also impact other TS)

R2-2402266 Corrections to TS 38.321 on LTM Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402366 MAC corrections for LTM Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402437 Discussion on remaining MAC issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402438 Discussion on TCI state related issues OPPO discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402502 MAC Issues for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402579 Discussion on fallback RACH for LTM ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

R2-2402580 Discussion on LTM candidate configuration for different CGs ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

R2-2402581 Discussion on UL collision with early UL synchronization in LTM ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

R2-2402612 Discussion on MAC open issues for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402613 Discussion on the remaining issues for LTM with MIMO two TA vivo discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402845 Discussion on the SFN acquisition for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402966 Discussion on DRX and measurement gap enhancement for RACH-less mobility NEC, Huawei, HiSilicon, Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

R2-2402984 Support of Activating the Flexible Number of TCI States using Candidate Cell TCI States Activation/Deactivation MAC CE Samsung discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403101 Discussion on RV and carrier selection for RACH-less LTM NEC discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403179 Adding SR resources within the LTM cell switch MAC CE Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403186 User plane centric issues for LTM Langbo discussion Rel-18 38.321 NR\_Mob\_enh2-Core

R2-2403280 On the LTM Cell Switch Aspects Nokia discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403287 Miscellaneous corrections for further mobility enhancements Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1817 - F NR\_Mob\_enh2-Core

R2-2403288 MAC remaining issues for LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403373 Considerations On Remaining MAC Issues For LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403464 Corrections for remaining issues on MAC LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.5 UE capabilities

R2-2402237 UE Capabilities for CHO with Candidate SCG MediaTek Inc. discussion NR\_Mob\_enh2-Core

R2-2402409 Remaining UE capability issues for feMob Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403180 [E250] Correction on capabilities for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core Late

R2-2403289 Discussion on LTM UE capability Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

R2-2403495 Discussion on UE capabilities for Rel-18 Mobility Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

## 7.5 XR Enhancements for NR

(NR\_XR\_enh-Core; leading WG: RAN2; REL-18; WID: [RP-230786](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_99/Docs/RP-230786.zip))

Time budget: 0 TU

Tdoc Limitation: 3 Tdocs

### 7.5.1 Organizational

Including LSs, any rapporteur inputs (e.g. work plan, SA2/SA4 progress reports) and running CRs (currently endorsed CRs exist fo Stage-2 (Nokia), MAC (Qualcomm), PDCP (LGE), RRC (Huawei) and RLC (vivo))

R2-2402386 Miscellaneous correction to TS 38.321 (rapporteur’s CR) Qualcomm Incorporated CR Rel-18 38.321 18.1.0 1790 - D NR\_XR\_enh-Core

R2-2403103 RRC corrections for XR Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4700 - F NR\_XR\_enh-Core Late

R2-2403104 RIL resolutions for XR Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core Late

R2-2403360 Miscellaneous XR Corrections Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0849 - F NR\_XR\_enh-Core

### 7.5.2 RRC corrections

Including RIL and UE capabiltiies

R2-2402508 [C260] and Two Other Key Issues CATT discussion Rel-18 NR\_XR\_enh-Core

R2-2402760 Clarification on BAT report for XR ZTE Corporation, Sanechips discussion Withdrawn

R2-2403131 [O502] Discussion on time-domain resource allocation for multi-PUSCH CG OPPO discussion Rel-18 NR\_XR\_enh-Core Late

### 7.5.3 User plane corrections

No documents should be submitted to 7.5.3. Please submit to 7.5.3.x

#### 7.5.3.1 BSR and DSR enhancements for XR

BSR/DSR specific corrections/open issues

R2-2402507 Further Discussion on DSR Triggering Modelling CATT, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

R2-2402509 Leftover Issue on BSR CATT, DENSO CORPORATION, Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

R2-2402519 Remaining issues for DSR and BSR Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

R2-2402582 Discussion on SR configuration for DSR MAC CE ASUSTeK discussion Rel-18 38.321 NR\_XR\_enh-Core R2-2400890

R2-2402614 Discussion on remaining issues of BSR for XR vivo discussion Rel-18 NR\_XR\_enh-Core

R2-2402677 Remaining issues on DSR and proposed TP to MAC Xiaomi Communications discussion

R2-2402948 Corrections to DSR Procedure Lenovo discussion Rel-18 NR\_XR\_enh-Core

R2-2403129 Discussion on the RA procedure termination for DSR-SR OPPO discussion Rel-18 NR\_XR\_enh-Core

R2-2403408 Clarification on SDU for DSR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

R2-2403505 Remaining issues on BSR and DSR Samsung discussion Rel-18 NR\_XR\_enh-Core

#### 7.5.3.2 PDCP and discard operation

*Including [POST125][017][XR] PDCP report (Ericsson), other discard operation, and any other PDCP corrections*

R2-2402267 Discussions on PDCP SN Gap Report Fujitsu discussion Rel-18 NR\_XR\_enh-Core

R2-2402387 Issues related to PSI-based discard Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

R2-2402759 Remaining aspects of PDCP report ZTE Corporation, Sanechips discussion

R2-2402775 Considerations for PDCP Discard Samsung discussion Rel-18

R2-2402840 PSI-based discarding on split bearers Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

R2-2403361 Triggering of PDCP SN gap report Nokia discussion Rel-18 NR\_XR\_enh-Core

R2-2403371 PDCP SN gap reporting LG Electronics, Ericsson discussion Rel-18 NR\_XR\_enh-Core

R2-2403414 PDCP SN gap reporting Xiaomi discussion Rel-18 NR\_XR\_enh-Core

R2-2403517 PDCP SN Gap Report MediaTek Inc. discussion Rel-18 38.323

R2-2403608 Report of [POST125][017][XR] PDCP report (Ericsson) Ericsson discussion Rel-18 NR\_XR\_enh-Core Late

R2-2403693 Comparison of control PDU and header-only data PDU based approaches for PDCP SN gap report Futurewei discussion Rel-18 NR\_XR\_enh-Core

#### 7.5.3.3 Others

Including configured grant enhancement corrections, and general UP corrections for 38.321 and 38.322

R2-2402388 Correction to the determination of unused CG occasions Qualcomm Incorporated, Apple, MediaTek, Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

R2-2402472 Remaining issues for DRX operations for XR Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

R2-2402473 Discussion on MAC procedure for UTO-UCI Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

R2-2402583 Correction on support of remapping PDU Set boundary in SDAP ASUSTeK discussion Rel-18 37.324 NR\_XR\_enh-Core

R2-2402615 Determination of Unused CG Occasions vivo discussion Rel-18 NR\_XR\_enh-Core

R2-2402761 Consideration on DRX\_SFN\_COUNTER for XR ZTE Corporation, Sanechips discussion

R2-2402878 On Clarifications of SR Signaling and Unused CG Occasion Apple, Samsung discussion Rel-18 NR\_XR\_enh-Core

R2-2403046 Remaining issues on non-integer DRX cycle NEC Corporation discussion Rel-18 NR\_XR\_enh-Core

R2-2403089 Correction for initialization of DRX\_SFN\_COUNTER for XR ZTE Corporation, Sanechips CR Rel-18 38.321 18.1.0 1815 - F NR\_XR\_enh-Core

=> Revised in R2-2403695

R2-2403695 Correction for initialization of DRX\_SFN\_COUNTER for XR ZTE Corporation, Sanechips CR Rel-18 38.321 18.1.0 1815 1 F NR\_XR\_enh-Core

R2-2403130 Correction on the DRX\_SFN\_COUNTER initialization OPPO discussion Rel-18 NR\_XR\_enh-Core

R2-2403224 Rel-18 MAC corrections Ericsson discussion Rel-18 NR\_XR\_enh-Core

R2-2403367 R18 XR UTO-UCI and R16 enhanced UL skipping correction Ericsson, ZTE Corporation discussion Rel-18

R2-2403385 Clarification on Retransmission-less CG Samsung discussion Rel-18 NR\_XR\_enh-Core

R2-2403666 Discussion on determination of UTO-UCI content LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

## 7.6 IoT NTN enhancements

(IoT\_NTN\_enh-Core; leading WG: RAN1; REL-18; WID: [RP-223519](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-223519.zip))

Time budget: 0 TU

Tdoc Limitation: 3 tdocs

### 7.6.1 Organizational

LSs, rapporteur inputs and other organizational documents.

Editorials/clarifications should not be included in any tdoc but sent to the WI spec rapporteurs, who can submit a rapporteur CR as part of this AI.

Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

R2-2402120 LS on Rel-18 RAN1 UE features list for LTE after RAN1#116 (R1-2401824; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-18 IoT\_NTN\_enh To:RAN2 Cc:RAN4

R2-2402143 Reply LS on UE Location Information for NB-IoT NTN (S2-2403851; contact: Qualcomm) SA2 LS in Rel-18 IoT\_NTN\_enh To:RAN2, CT1, RAN3 Cc:SA1, SA3-LI

R2-2402187 Discussion on SA2 and CT1 reply LS on UE Location Information for NB-IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402771 Discussion on the need for eNB to get UE location information from MME Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402813 Discussion on reply LS on UE Location Information for NB-IoT NTN Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402814 [Draft] Reply LS on UE Location Information for NB-IoT NTN Qualcomm Incorporated LS out Rel-18 IoT\_NTN\_enh-Core To:SA2, RAN3

R2-2402888 Discussion on LS about UE Location Information for NB-IoT NTN Apple discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403210 Corrections to IOT NTN Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5011 - F IoT\_NTN\_enh-Core Late

R2-2403211 IOT NTN ASN1 RIL List Huawei, HiSilicon report Rel-18 IoT\_NTN\_enh-Core Late

R2-2403630 R18 IoT NTN stage 2 remaining issues Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.2 Stage 2 corrections

R2-2402213 Discussion on Autonomous GNSS Fix in C-DRX Inactive Time vivo discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402373 Open issues with regards to GNSS operation PANASONIC R&D Center Germany discussion

R2-2402772 Correction to Stage 2 on IoT NTN Huawei, HiSilicon CR Rel-18 36.300 18.1.0 1400 - F IoT\_NTN\_enh-Core

R2-2403480 Further discussion on stage-2 open issues for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.3 RRC Corrections

R2-2402185 Extending scenarios for t-service OPPO discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402186 Discussion on GNSS operation for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402203 Correction to 36.331 for IoT NTN OPPO CR Rel-18 36.331 18.1.0 4999 - F IoT\_NTN\_enh-Core

R2-2402214 [V510] Correction on GNSS Measurement Failure vivo CR Rel-18 36.331 18.1.0 5002 - F IoT\_NTN\_enh-Core

R2-2402383 RRC c orrections on T390 and MO for IoT NTN ZTE Corporation, Sanechips CR Rel-18 36.331 18.1.0 5001 - F IoT\_NTN\_enh-Core

R2-2402584 [K001] Discussion on T317 expiry during GNSS measurement ASUSTeK discussion Rel-18 36.331 IoT\_NTN\_enh-Core

R2-2402705 Discussion on IOT NTN GNSS operation enhancement related open issues Xiaomi discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402773 Remaining issues on GNSS operation enhancements Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402908 On the necessity of satellite assistance information for measurement in IoT NTN CATT discussion

R2-2402913 [C651][C652][C653][C654] Corrections on Event D1, Event D2 and condEvent D2 CATT discussion

R2-2403081 Remaining Issues on the GNSS Operation Enhancements Google Inc. discussion Rel-18

R2-2403335 Various RRC connection for IoT NTN including [S066][S067][S068] Samsung discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403481 Remaining issue on gap length for autonomous GNSS measurement Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403491 [H004] Addition of polarization parameters Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403717 [X041][X042] Correction on GNSS operation enhancement Beijing Xiaomi Mobile Software discussion Rel-18

R2-2403723 [E801] Satellite assistance information for event D2 Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.4 MAC corrections

R2-2402204 Discussion on remaining issue on GNSS validity duration reporting OPPO discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402215 Discussion on MAC Remaining Issues vivo discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402384 MAC corrections to IoT NTN ZTE Corporation, Sanechips CR Rel-18 36.321 18.1.0 1584 - F IoT\_NTN\_enh-Core Withdrawn

R2-2402704 Discussion on issue related to UL Transmission Extension Update MAC Control Element Xiaomi discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403220 Discussion on remaining MAC issues for Rel-18 IoT NTN MediaTek Inc. discussion IoT\_NTN\_enh-Core

R2-2403221 Corrections on UE behaviour on DRX for IoT NTN MediaTek CR Rel-18 36.321 18.1.0 1585 - F IoT\_NTN\_enh-Core

R2-2403482 On MAC open issues for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403631 R18 IoT NTN GNSS extension Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.5 Corrections to other specs

Corrections to other affected specs, including corrections on UE capabilities

Corrections on issues affecting multiple Stage 3 specs (e.g. RRC and MAC) can also be submitted here

R2-2402385 Corrections to idle mode measurement for IoT NTN ZTE Corporation, Sanechips CR Rel-18 36.304 18.1.0 0874 - F IoT\_NTN\_enh-Core

R2-2402812 Remaining issues on out-of-date GNSS fix Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

R2-2402915 Corrections on Location-based Measurement Initiation in TS 36.304 CATT discussion

R2-2403152 Miscellaneous correction for IoT-NTN Nokia CR Rel-18 36.304 18.1.0 0873 - F IoT\_NTN\_enh-Core

R2-2403336 On procedures and capabilities related to GNSS fix during C-DRX Samsung discussion Rel-18 IoT\_NTN\_enh-Core

R2-2403614 Corrections on uplink transmission extension Samsung discussion Rel-18 IoT\_NTN\_enh-Core

## 7.7 NR NTN enhancements

(NR\_NTN\_enh -Core; leading WG: RAN1; REL-18; WID: [RP-232669](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_101/Docs/RP-232669.zip))

Time budget: 0 TU

Tdoc Limitation: 3 tdocs

### 7.7.1 Organizational

LSs, rapporteur inputs and other organizational documents.

Editorials/clarifications should not be included in any tdoc but sent to the WI spec rapporteurs, who can submit a rapporteur CR as part of this AI.

Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

R2-2402114 Reply LS on Satellite Switch with Resync (R1-2401748; contact: Apple) RAN1 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2 Cc:RAN4

R2-2402129 Reply LS on RAN2 agreements for satellite switch with resync (R4-2403493; contact: Apple) RAN4 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2 Cc:RAN1

R2-2402542 Discussion on reply LS from RAN1 and RAN4 for unchanged PCI CMCC discussion Rel-18 NR\_NTN\_enh-Core

R2-2403632 Rapporteur input R18 NR NTN RRC Ericsson CR Rel-18 38.331 18.1.0 4761 - F NR\_NTN\_enh-Core Late

R2-2403633 Rapporteur’s input R18 NR NTN RRC RILs Ericsson discussion Rel-18 NR\_NTN\_enh-Core Late

### 7.7.2 Stage 2 corrections

R2-2402798 Stage-2 corrections Samsung discussion Rel-18 NR\_NTN\_enh-Core

### 7.7.3 RRC corrections

R2-2402188 Discussion on soft switch unchanged PCI OPPO discussion Rel-18 NR\_NTN\_enh-Core

R2-2402189 Discussion on ssb-TimeOffset OPPO discussion Rel-18 NR\_NTN\_enh-Core

R2-2402190 [O600] Discussion on TN cell broadcasting NTN info OPPO discussion Rel-18 NR\_NTN\_enh-Core

R2-2402216 [V500][V501] Correction on NTN-Config in case of Satellite Switch vivo discussion Rel-18 NR\_NTN\_enh-Core

R2-2402217 Remaining Issue on Measurement during Hard Satellite Switch vivo discussion Rel-18 NR\_NTN\_enh-Core

R2-2402218 Further Discussion on ssb-TimeOffset vivo discussion Rel-18 NR\_NTN\_enh-Core

R2-2402263 SMTC configuration on satellite switch with re-sync NTU discussion Withdrawn

R2-2402264 SMTC configuration on satellite switch with re-sync NTU discussion Withdrawn

R2-2402335 SMTC configuration of target satellite for satellite switch with re-sync NTU discussion Rel-18

R2-2402543 [H063] Discussion on RACH-based solution for unchanged PCI CMCC discussion Rel-18 NR\_NTN\_enh-Core

R2-2402585 [K005] Discussion on epoch time for satellite switch ASUSTeK discussion Rel-18 38.331 NR\_NTN\_enh-Core

R2-2402799 Discussion on LS replies for Satellite Switch with Resync Samsung discussion Rel-18 NR\_NTN\_enh-Core

R2-2402800 RIL S486, V500, V501, H063 Samsung discussion Rel-18 NR\_NTN\_enh-Core

R2-2402831 Discussion on the remaining issues for NR NTN Xiaomi discussion

R2-2402844 Discussion on Remaining Open Issues for Unchanged PCI Mechanism CATT discussion

R2-2402850 [C650] [C651] Corrections on EventD2 and condEventD2 CATT discussion

R2-2402866 Clarification on UE operation during soft satellite switch with resync Apple discussion Rel-18 NR\_NTN\_enh-Core

R2-2402867 Open issues on NR NTN measurement enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

R2-2402882 Correction on referenceLocation2 Apple discussion Rel-18 NR\_NTN\_enh-Core

R2-2403068 Remaining issues on unchanged PCI ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

R2-2403082 Provision of the TN PLMN ID in an NTN Cell Google Inc., Continental Automotive discussion Rel-18 R2-2400501

R2-2403192 [H063] RACH-based satellite switching with re-sync Huawei, HiSilicon, Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

R2-2403193 Discussion on satellite switch with re-sync Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

R2-2403301 On RACH-based Satellite Switching with Resynchronization and Confirming Successful Switching Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

R2-2403302 RRC Corrections and Proposed RIL [N131] and [N132] Resolutions for Rel-18 NTN Nokia discussion Rel-18 NR\_NTN\_enh-Core

R2-2403490 RRC corrections on RILs [H115][H116] Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

R2-2403634 Remaining issue on VSAT UEs Ericsson discussion Rel-18 NR\_NTN\_enh-Core

R2-2403635 Remaining issues for soft switch with unchanged PCI Ericsson discussion Rel-18 NR\_NTN\_enh-Core

R2-2403636 UE behaviour upon absence of EpochTime in TN cells Ericsson discussion Rel-18 NR\_NTN\_enh-Core

### 7.7.4 MAC corrections

R2-2402774 Discussion on HARQ buffer flush during satellite switch with re-synchronization Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

R2-2403637 TAT handling in RACH-less CHO Ericsson discussion Rel-18 NR\_NTN\_enh-Core

### 7.7.5 Corrections to other specs

Corrections to other affected specs, including corrections on UE capabilities

Corrections on issues affecting multiple Stage 3 specs (e.g. RRC and MAC) can also be submitted here

R2-2402586 Discussion on RACH-based satellite switch ASUSTeK discussion Rel-18 38.321 NR\_NTN\_enh-Core

R2-2402852 Correction on Location-based Measurement Initiation for Earth Fixed Cell in TS 38.304 CATT discussion

R2-2403069 Discussion on NTN FR2 UE capability ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

R2-2403070 CR to 38306 on NTN FR2 UE capability ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1074 - F NR\_NTN\_enh-Core

R2-2403300 On Scheduling Restrictions in Satellite Soft Switching with Resynchronization – RAN1 and RAN4 feedback Nokia discussion Rel-18 NR\_NTN\_enh-Core

## 7.8 NR support for UAV

(NR\_UAV -Core; leading WG: RAN2; REL-18; WID: [RP-230782](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_99/Docs/RP-230782.zip) and LTE WID: [RP-230783](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_99/Docs/RP-230783.zip) )

Time budget: 0 TU

Tdoc Limitation: 1

### 7.8.1 Organizational

Editorials/clarifications should not be included in any tdoc but sent to the WI spec rapporteurs, who can submit a rapporteur CR as part of this AI.

CR rapporteurs are asked to continue maintaining an open issues list reflecting known issues to be handled during the maintenance phase

R2-2402137 LS Reply on Aerial Pmax values (R4-2403830; contact: Nokia) RAN4 LS in Rel-18 NR\_UAV-Core To:RAN2

R2-2402495 Capabilities for Rel-18 Enhanced LTE Support for UAV WI Huawei, HiSilicon CR Rel-18 36.306 18.1.0 1884 - F LTE\_UAV\_enh-Core

R2-2402497 Capabilities for Rel-18 NR Support for UAV WI Huawei, HiSilicon draftCR Rel-18 38.306 18.1.0 F NR\_UAV-Core

R2-2402791 Corrections for NR Support for UAV (Uncrewed Aerial Vehicles) Qualcomm Incorporated CR Rel-18 38.331 18.1.0 4693 - F NR\_UAV-Core

R2-2402954 Correction to UE capability multiNS-PmaxAerial-r18 Qualcomm Incorporated, Nokia CR Rel-18 36.331 18.1.0 5004 - F LTE\_UAV\_enh-Core

R2-2403067 Correction on resource pool selection for A2X communication Samsung, Sharp CR Rel-18 38.321 18.1.0 1813 - F NR\_UAV-Core

R2-2403303 On Aerial Pmax Values in the context of RAN4 LS [N135] Nokia discussion Rel-18 NR\_UAV-Core

R2-2403304 Response LS on Aerial Pmax values Nokia LS out Rel-18 NR\_UAV-Core To:RAN4

### 7.8.2 RRC RIL

*Including outcome of POST125][008][UAV] Draft TP for simulMultiTriggerSingleMeasReport (Qualcomm)*

R2-2402503 Report of [POST125][008][UAV] Draft TP for simulMultiTriggerSingleMeasReport Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

R2-2403365 E144, Standalone Aerial UE Capability Ericsson discussion Rel-18

R2-2403366 LS from RAN4, J061 Ericsson discussion Rel-18

R2-2403442 Further Consideration on SimuMultiTriggerSingleMeasReport ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

R2-2403725 NR UAV: Proposed resolutions to remaining ASN.1 RILs Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

### 7.8.3 Other

Other critical corrections

R2-2402312 Discussion on open issues of UAV UE capabilities CATT discussion Rel-18 NR\_UAV-Core

R2-2402479 Discussion on flight path report Huawei, HiSilicon discussion Rel-18 R2-2400612

## 7.9 Enhanced NR Sidelink Relay

(NR\_SL\_relay\_enh-Core; leading WG: RAN2; REL-18; WID: [RP-223501](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-223501.zip))

Time budget: 0TU

Tdoc Limitation: 3 tdocs

### 7.9.1 Organizational

Including incoming LSs and rapporteur inputs. CR rapporteurs are asked to continue maintaining an open issues list reflecting known issues to be handled during the maintenance phase.

### 7.9.2 Stage 2 corrections

Impact to 38.300. A single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402209 Discussion on stage-2 corrections OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402428 Correction to 38.300 on Relay enhancement Xiaomi discussion

R2-2402721 LTM in L2 relay case Lenovo discussion Rel-18

R2-2403311 Stage-2 Corrections for SL relay enhancements Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

### 7.9.3 RRC corrections

Impact to 38.331, except for capability-related issues (see agenda item 7.9.7). A single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues where no clear conclusion was reached in [Post125][417] can be discussed based on contributions.

Including outcome of [Post125][417][Relay] Rel-18 relay RRC open issues (Huawei)

R2-2402208 [O400-407, O421], [O425], [O418, O427, O428], [O419], [Q581] Discussion on ToDo RILs for R18 Relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402286 [B107] Discussion on IndirectPathFailureInformation message Lenovo, Apple, China Telecom, Sharp, InterDigital, Kyocera discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

R2-2402427 [X028] Correction on SIB1 forwarding in multipath Xiaomi discussion

R2-2402504 [C262]Clarification on Indirect Path Failure for MP Scenario 1 CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402505 [C261]Handling of Indirect Path When Remote UE Enters RRC\_IDLE CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402506 [C263]Clarification on U2U Remote UE Threshold Conditions CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402600 [X029,030,031] Correction on the relay reselection Xiaomi discussion

R2-2402680 Rapp RRC CR for Rel-18 SL relay enhancement Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4684 - F NR\_SL\_relay\_enh-Core Late

R2-2402681 RRC open issue list for Rel-18 SL relay Huawei, HiSilicon report Rel-18 NR\_SL\_relay\_enh-Core

R2-2402682 Report of [Post125][417][Relay] Rel-18 relay RRC open issues Huawei, HiSilicon report Rel-18 NR\_SL\_relay\_enh-Core

R2-2402717 [B108] on unsolicited SIB1 forwarding in MP Lenovo discussion Rel-18

R2-2402718 [B109] on sidelink RRC reconfiguration failure for U2U Lenovo discussion Rel-18

R2-2402719 [B112] on maintained indirect path during direct path addition v1.0 Lenovo discussion Rel-18

R2-2402720 [B113] TP on T390 in MP scenario Lenovo discussion Rel-18

R2-2402785 [H659] Network support for non-3GPP multi-path relay MediaTek Inc., OPPO, ZTE discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402890 Discussion on remaining ASN.1 issues for Layer-2 UE-to-UE Relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402927 Discussion for the remaining issues for U2U relay LG Electronics Inc. discussion Rel-18

R2-2403140 Remaining issues and corrections on RRC specification Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

R2-2403200 RSRP thresholds for U2N relay selection and re-selection Nokia discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403314 [H064][H686] Discussion for RIL issues on U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403357 Discovery [O419] Open Issues [Post125][417] and [X033] [X251] PC5 trigger for U2U Relay UE selection Beijing Xiaomi Mobile Software discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403369 Remaining Open Issues in 38.331 Ericsson discussion Rel-18

R2-2403476 [Z756]SRAP configuration for non-RRC connected L2 U2U UEs ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

R2-2403477 Discussion on relay UE traffic pattern reporting in UAI ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

R2-2403552 discussion on flow-to-bearer mapping indication Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403603 [N121][N122] RILs on sidelink relay Nokia discussion NR\_SL\_relay\_enh-Core

R2-2403607 RILs on SL Relays Ericsson discussion Rel-18 Late

R2-2403705 RIL list for Rel-18 SL relay enhancement Huawei, HiSilicon report Rel-18 NR\_SL\_relay\_enh-Core

R2-2403719 [X260] [X262] U2U Relay UE selection Beijing Xiaomi Mobile Software discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

### 7.9.4 SRAP corrections

Impact to 38.351. A single CR with miscellaneous corrections is requested from the specification rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402587 Clarification on UE ID pair allocation and determination ASUSTeK discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

R2-2403478 Discussion on SRAP corrections for U2U relay ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

### 7.9.5 MAC corrections

Impact to 38.321. A single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

### 7.9.6 RLC and PDCP corrections

Impact to 38.322 and 38.323. For each specification, a single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2402207 Discussion on duplicated PDU submitted to indirect path RLC OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2402816 Miscellaneous Rapporteur Corrections to 38.323 for SL Relay InterDigital France R&D, SAS CR Rel-18 38.323 18.1.0 0135 - F NR\_SL\_relay\_enh-Core

R2-2403313 PDCP corrections on data volume calculation for multi-path relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403412 Clarification on PDCP with multi-path Nokia discussion Rel-18

R2-2403479 Discussion on PDCP corrections for MP ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

### 7.9.7 UE capabilities

Impact to 38.306 and capability-related impact to 38.331. A single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2403139 UE capabilities on MP relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

R2-2403312 UE capability corrections for multi-path operation Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2403370 Remaining Open Issues in 38.306 Ericsson discussion Rel-18

### 7.9.8 Idle mode corrections

Impact to 38.304. A single CR with miscellaneous corrections is requested from the CR rapporteur. Minor and editorial issues should be coordinated with the rapporteur and merged into the miscellaneous CR. Larger issues can be discussed based on contributions.

R2-2403602 Correction on 38.304 for SL Relays Ericsson CR Rel-18 38.304 18.1.0 0400 - F NR\_SL\_relay\_enh

## 7.10 IDC enhancements for NR and MR DC

(NR\_IDC\_enh-Core; leading WG: RAN2; REL-18; WID: [RP-221281](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221281.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdocs

Corrections. For smaller corrections please contact CR editor / Rapporteur directly. For RRC corrections, only selected RIL can be submitted in the agenda (i.e. only if RRC editor suggests to discuss the RIL under this agenda)

R2-2403431 Correction on the IDC Reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

R2-2403444 IDC RIL list Xiaomi discussion Rel-18 NR\_IDC\_enh-Core Late

## 7.11 Enhancements of NR Multicast and Broadcast Services

(NR\_MBS\_enh-Core; leading WG: RAN2; REL-18; WID: [RP-231829](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_101/Docs/RP-231829.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 7.11.1 Organizational

LS in, rapporteur input (e.g. rapporteur CR, open issues list)

R2-2402766 RIL list for MBS Huawei, HiSilicon report Rel-18 NR\_MBS\_enh-Core Late

R2-2402767 MBS Rapporteur CR for RRC Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4688 - F NR\_MBS\_enh-Core Late

### 7.11.2 RRC corrections

Corrections related to RILs from ASN.1 review.

R2-2402246 [V523][V531] Remaining Issues on Multicast Reception in INACTIVE vivo discussion Rel-18 NR\_MBS\_enh-Core Late

R2-2402282 [C148][C149][C150] RRC Corrections for eMBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

R2-2402634 [Z695, Z696] Misc issues for multicast reception in RRC\_INACTIVE with draft CR ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

R2-2402768 [H099] PTM configuration indication in the neighbour cell list for multicast Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core Late

R2-2402849 Discussion on frequency information reported for shared processing Xiaomi, Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

R2-2403508 [S731][S732][S733] Issues for Multicast Reception Samsung discussion Rel-18

R2-2403547 MBS RILs Ericsson discussion Rel-18 NR\_MBS\_enh-Core Late

R2-2403597 [N101] [N102] [N103] [N104] [N105] [N106] [N107] [N108][N109] Control plane aspects of multicast reception in RRC\_INACTIVE state Nokia discussion Rel-18 NR\_MBS\_enh-Core

R2-2403604 RIL\_J009/J010/J011 MBS CP Sharp discussion

### 7.11.3 Other corrections

*Corrections related to other specs, e.g. 38.300, 38.321, 38.323, UE capabilities.*

R2-2402868 Clarification on MAC reset for multicast reception in RRC\_INACTIVE Apple, Samsung, CATT, Nokia, Huawei, HiSilicon, LG Electronics Inc. CR Rel-18 38.321 18.1.0 1800 - F NR\_MBS\_enh-Core

R2-2403203 Error data handling for MBS Langbo discussion Rel-18 38.321 NR\_MBS\_enh-Core

R2-2403546 Clarification for (e)RedCap UE supporting MBS in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_MBS\_enh-Core

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

( NR\_mobile\_IAB -Core; leading WG: RAN3; REL-18; WID: [RP-232669](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_101/Docs/RP-232669.zip))

Time budget: N/A

Tdoc Limitation: 2 tdocs (if you want to input beyond the tdoc limitation, please cooperate with CR Rapporteurs).

### 7.12.1 Organizational and Stage-2

LS in. Includes TS impacts 38300 and Stage-2 Centric issues (can also cover secondary impacts to other TSes)

R2-2402644 Requirement on the SIB1 indicator presence for the mobile IAB-node Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

R2-2403168 Miscellaneous corrections on Mobile IAB Ericsson CR Rel-18 38.331 18.1.0 4701 - F NR\_mobile\_IAB-Core Late

R2-2403169 RILs conclusions for MobileIAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core Late

R2-2403170 Discussion on RILs conclusion MobileIAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core Late

R2-2403576 Clarification on supporting two logical DUs and connecting via stationary IAB node ZTE, Sanechips CR Rel-18 38.300 18.1.0 0853 - F NR\_mobile\_IAB-Core

### 7.12.2 Stage-3

For multi-TS input, it is allowed to input also here.

R2-2403447 Clarification to mobile IAB-MT measurement configuration Nokia discussion Rel-18 NR\_mobile\_IAB-Core

#### 7.12.2.1 BAP

TS impacts 38340 and BAP Centric issues (can also cover secondary impacts to other TSes if applicable)

#### 7.12.2.2 Control plane corrections

TS impacts 38331, ASN.1 RIL, UE capabilities and 38.304

R2-2402645 [H112, H113] Discussion on targetNTA and tci-StateID for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

R2-2402936 Mismatch of terminology between 38.304 and 38.331 Samsung CR Rel-18 38.304 18.1.0 0398 - F NR\_mobile\_IAB-Core

R2-2403340 [S266][S267] Correction on setting mobile IAB support for PLMNs and NPNs Samsung discussion Rel-18 NR\_mobile\_IAB-Core

R2-2403448 Discussion on gNB-ID signalling Nokia discussion Rel-18 NR\_mobile\_IAB-Core

R2-2403575 Correction on frequency prioritization for mobile IAB ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB

#### 7.12.2.3 User plane corrections

TS impacts 38321

## 7.13 Further enhancement of data collection for SON MDT in NR and EN-DC

(NR\_ENDC\_SON\_MDT\_enh2-Core; leading WG: RAN3; REL-18; WID: [RP-221825](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221825.zip))

Includes LS in’s related to AI/ML for NG-RAN

Time budget: 0 TU

Tdoc Limitation: 1 tdocs ?

### 7.13.1 Organizational

Ls in and Rapporteur input. WI/Spec Rapporteur(s) are invited to provide updated open issues lists that need to be handled.

R2-2403156 WI RIL list for 36.331 for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403157 Corrections to TS 36.331 for R18 SONMDT Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5010 - F NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403241 BL CR on 38331 for SONMDT features Ericsson CR Rel-18 38.331 18.1.0 4710 - F NR\_ENDC\_SON\_MDT\_enh2-Core Late

R2-2403265 RIL issue list for SON Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core Late

### 7.13.2 Papers related to RILs

R2-2402563 [V314] logged MDT configuration for SNPN vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2402574 [F001][F018][F019][F020][F021][F022][F023] Correction on SPR Fujitsu, Lenovo, CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core R2-2400552

R2-2402575 [C306]Correction on fast MCG recovery enhancement Fujitsu discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2402653 [C303][C304][C307][C308][C311][C312][C315] [C351]Corrections about SONMDT issues CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403158 Discussion on open RILs and stage-2 issues for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403197 RIL N022 and N123 related corrections Nokia discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403242 Addressing SONMDT RILs Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core Late

R2-2403577 [J040][J041][J042][J043][J044]RILs for SON SHARP Corporation discussion R2-2400912

R2-2403651 [S525][S526][S527][S528][S529][S530] RILs on SON/MDT Samsung discussion Late

### 7.13.3 Other

R2-2402576 Correction on the reporting of TAC in Random access report Fujitsu, Ericsson, Lenovo, Huawei, HiSilicon, CATT, Xiaomi, Samsung, SHARP CR Rel-18 38.331 18.1.0 4674 - F NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403074 Consideration on SON/MDT remaining issues ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403196 Considerations on including TAC in RA reports Nokia discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2403425 Configuring T310 and T312 thresholds at the time of PSCellChange Samsung discussion

R2-2403663 Miscellaneous correction to TS 38.300 Ericsson CR Rel-18 38.300 18.1.0 0854 - F NR\_ENDC\_SON\_MDT\_enh2-Core

## 7.14 Enhancement on NR QoE management and optimizations for diverse services

(NR\_QoE\_enh-Core; leading WG: RAN3; REL-18; WID: [RP-223488](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-223488.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 7.14.1 Organizational

LSs and rapporteur inputs (e.g. rapporteur CR, open issues list)

R2-2402103 LS on area scope handling for QoE measurement collection (C1-241717; contact: Ericsson) CT1 LS in Rel-18 NR\_QoE\_enh-Core To:RAN2 Cc:SA4, SA5, RAN3

R2-2403246 Correction of Enhancement on NR QoE management and optimizations for diverse services Ericsson CR Rel-18 38.331 18.1.0 4711 - F NR\_QoE\_enh-Core Late

R2-2403247 RIL issue list for QoE Ericsson discussion Rel-18 NR\_QoE\_enh-Core Late

### 7.14.2 QoE measurements in RRC\_IDLE INACTIVE

*Corrections related to RILs from ASN.1 review.*

R2-2403159 Discussion on serving cell for MBS QoE collection H079H082 Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

R2-2403249 RIL issues related to QoE measurements Ericsson discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.3 Other corrections

Corrections related to other specs, e.g. 38.300, 37.340, UE capabilities.

R2-2403075 Consideration on QoE remaining issues ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

R2-2403248 Open issues for QoE measurements Ericsson discussion Rel-18 NR\_QoE\_enh-Core

R2-2403486 Correction for NR QoE configurations release in inter-RAT HO Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.1.0 4749 - F NR\_QoE\_enh-Core

## 7.15 NR Sidelink evolution

(NR\_SL\_enh2; leading WG: RAN1; REL-18; WID: [RP-230077](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_99/Docs/RP-230077.zip))

Time budget: 0 TU

Tdoc Limitation: 2 tdocs

### 7.15.1 Organizational

Including incoming LSs and rapporteur inputs. CR rapporteurs are asked to continue maintaining an open issues list reflecting known issues to be handled during the maintenance phase.

R2-2402111 Reply to LS on Sidelink CSI Reporting MAC-CE for SL-CA (R1-2401727; contact: LGE) RAN1 LS in Rel-18 NR\_SL\_enh2-Core To:RAN2

R2-2402115 LS on new higher layer parameter for intra-cell guard band (R1-2401756; contact: OPPO) RAN1 LS in Rel-18 NR\_SL\_enh2-Core To:RAN2

R2-2402225 RRC Open Issue list for R18 SL-Evo OPPO Work Plan Rel-18 NR\_SL\_enh2

R2-2402481 MAC Open Issue list for R18 SL-Evo LG Electronics Inc. Work Plan NR\_SL\_enh2

R2-2402572 Discussion on UE behaviour when no TX profile provided for SL CA vivo discussion Rel-18

R2-2402797 Miscellaneous Rapporteur Stage 2 Corrections for NR Sidelink Evolution InterDigital France R&D, SAS CR Rel-18 38.300 18.1.0 0838 - F NR\_SL\_enh2

R2-2403586 Discussion on No Tx profile ZTE Corporation, Sanechips discussion Rel-18

### 7.15.2 Control plane corrections

Including RRC corrections and ASN.1 RILs. A single CR with miscellaneous corrections is requested; minor and editorial issues should be coordinated with the CR rapporteur and merged into the miscellaneous CR..

R2-2402226 Correction on Release-18 SL Evolution OPPO CR Rel-18 38.331 18.1.0 4646 - F NR\_SL\_enh2 Late

R2-2402227 Left issues on RRC OPPO discussion Rel-18 NR\_SL\_enh2

R2-2402228 [O321][O322] Discussion on SL features co-configuration OPPO discussion Rel-18 NR\_SL\_enh2 Late

R2-2402362 RRC corrections for SL evolution Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2-Core

R2-2402571 Discussion on whether/how to configure both SL-U and SL-CA in SIB12 vivo discussion Rel-18

R2-2402601 Correction on TS 38.331 for SL Xiaomi discussion

R2-2402642 [Z710][Z711] Correction on allowed carrier set for SRB ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

R2-2402914 RIL list for R18 SL OPPO report Rel-18 NR\_SL\_enh2-Core Late

R2-2403036 SL evolution open issues Nokia discussion NR\_SL\_enh2

R2-2403079 Corrections to TS 38.331 for NR SL evolution CATT discussion

R2-2403264 [H089] Clarification on description of sl-NumOfSSSBRepetition Huawei, HiSilicon draftCR Rel-18 38.331 18.1.0 F NR\_SL\_enh2-Core Late

R2-2403383 Discussion on postponed RIL [C613] CATT, ZTE Corporation, Sanechips, Ericsson, Apple, Xiaomi, NEC, Qualcomm Incorporated, InterDigital Inc., LG Electronics discussion

R2-2403716 [W101] RRC correction on SL consistent LBT failure NEC discussion Rel-18 NR\_SL\_enh2-Core

### 7.15.3 User plane corrections

Including MAC corrections. A single CR with miscellaneous corrections is requested; minor and editorial issues should be coordinated with the CR rapporteur and merged into the miscellaneous CR.

R2-2402205 Corrections on SL-U for MAC layers SHARP Corporation discussion Rel-18 38.321

R2-2402229 Left issues on MAC OPPO discussion Rel-18 NR\_SL\_enh2

R2-2402391 MAC corrections for SL evolution Huawei, HiSilicon discussion NR\_SL\_enh2-Core

R2-2402482 Left issues on MAC LG Electronics Inc. discussion NR\_SL\_enh2

R2-2402602 Correction on TS 38.321 for SL Xiaomi discussion

R2-2402605 Discussion on remaining issue of TS 38.321 NEC discussion Rel-18 NR\_SL\_enh2-Core

R2-2402606 Discussion on the missing agreement in TS 38.321 NEC, InterDigital discussion Rel-18 NR\_SL\_enh2-Core

R2-2402643 Discussion on remaining issues on user plane for SL evo ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

R2-2402889 Correction on TX carrier (re-)selection Apple CR Rel-18 38.321 18.1.0 1803 - F NR\_SL\_enh2

R2-2402916 MAC correction on Release-18 SL Evolution LG Electronics Inc. CR Rel-18 38.321 18.1.0 1804 - F NR\_SL\_enh2

R2-2402946 Correction to resource selection for LTE-NR cochannel scenario Ericsson, LG Electronics Inc. CR Rel-18 38.321 18.1.0 1807 - F NR\_SL\_enh2

R2-2402947 discussion on reply LS from RAN1 on SL CSI reporting MAC CE for SL CA Ericsson discussion Rel-18 NR\_SL\_enh2

R2-2403047 Discussion on the postponed issue for Re-evaluation/Pre-emption in MCSt CATT discussion

R2-2403413 Clean up on SL LBT Nokia CR Rel-18 38.321 18.1.0 1824 - F NR\_SL\_enh2

## 7.16 Void

## 7.17 Dual Transmission Reception (Tx Rx) Multi-SIM for NR

(NR\_DualTxRx\_MUSIM-Core; leading WG: RAN2; REL-18; WID: [RP-233071](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_100/Docs/RP-231461.zip))

Time budget: 0 TU

Tdoc Limitation: 2 tdocs

### 7.17.1 Organizational

Rapporteur input, i.e., WI/Spec Rapporteur(s) are invited to provide updated open issues lists that need to be handled.

Incoming LS.

Corrections to TS 38.300.

R2-2402483 RILs\_conclusion\_MUSIM vivo(Rapporteur) other Rel-18 NR\_DualTxRx\_MUSIM-Core Late

R2-2402484 Correction on NR MUSIM enhancements vivo(Rapporteur) CR Rel-18 38.331 18.1.0 4664 - F NR\_DualTxRx\_MUSIM-Core Late

### 7.17.2 RRC

Corrections to RRC (other than UE capabilties, which should be submitted to 7.17.3).

Discussions and propsoals on the RRC open issues if listed by Rapporteur(s) or triggered by LSs, etc..

R2-2402313 [S854] Discussion on MUSIM remaining issues CATT discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2402451 Further discussion on open Issue#8 about reconfiguration failure for MUSIM Huawei, HiSilicon, vivo, DENSO CORPORATION, China Telecom, Qualcomm Incorporated, Samsung discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2402485 Discussion on the capability restriction during RRC re-establishment vivo discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2402968 [H104][H108][H109] Discussion on MUSIM RILs Huawei, HiSilicon discussion Rel-18 Late

=> Revised in R2-2403728

R2-2403728 [H104][H105][H106][H108][H109] Discussion on MUSIM RILs Huawei, HiSilicon discussion Rel-18

R2-2403142 Discussion on security issue for early indication Huawei, HiSilicon discussion Rel-18

R2-2403146 Remaining open issues for Dual TX/TX MUSIM Operation Nokia discussion

R2-2403147 Additional capability restrictions related to measurement gaps Nokia discussion

R2-2403150 Corrections on need for gap for MUSIM purpose OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403151 Corrections on the feature for keeping MUSIM gaps when collision OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403324 Open issues on MUSIM Band restrictions Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403325 Discussion on bandEntryIndex at handover Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403428 Consideration on the UAI Processing during Handover ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403429 Consideration on the Fallback Relationship for the Affected Band Combinations ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403430 [RIL-Z116] Consideration on the MUSIM UAI Setting ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

=> Revised in R2-2403739

R2-2403739 [Z116][Z102][S863] Consideration on the MUSIM UAI Reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

R2-2403522 [L012] Wait timer issue when performing Handover LG Electronics Inc. discussion Rel-18 38.331 NR\_DualTxRx\_MUSIM-Core

R2-2403560 No capability restriction in first UAI after early indication Samsung, Huawei, HiSilicon, ZTE Corporation, Sanechips discussion

R2-2403562 [S860] Discussion on early indication of MUSIM temporary capability restriction in RRCReestablishmentComplete Samsung, Intel Corporation, CATT, Xiaomi, Qualcomm, Apple, China Telecom, NEC, vivo, Huawei, HiSilicon discussion Rel-18 38.331 NR\_DualTxRx\_MUSIM-Core

R2-2403617 [S854][S862][S863] RILs on MUSIM Samsung discussion Late

R2-2403715 [Z102][S863] Consideration on the musim-MaxCC Reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

=> Withdrawn

### 7.17.3 Other

UE capabilities related corrections.

Corrections to TS 37.340.

Other issues if not covered by the previous agenda items.

R2-2403262 Dependency of Musim-NeedForGaps with Nr-NeedForGap-Reporting capability Samsung discussion

## 7.18 Mobile Terminated Small Data Transmission

(NR\_NR\_MT\_SDT-Core; leading WG: RAN2; REL-18; WID: [RP-222993](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-222993.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 7.18.1 Organizational

LS in, rapporteur input (e.g. rapporteur CR, open issues list)

R2-2402756 [E075] Report of [POST125][026][MT-SDT]: Harmonising the handling of SDT ongoing and T319a ZTE Corporation(rapporteur) report Rel-18

R2-2402757 [E075] SDT corrections for harmonizing T319a and SDT ongoing labels ZTE Corporation (rapporteur) CR Rel-18 38.331 18.1.0 4687 - F NR\_MT\_SDT-Core, NR\_SmallData\_INACTIVE-Core

R2-2402758 [E075] SDT corrections for harmonizing T319a and SDT ongoing labels ZTE Corporation (rapporteur) CR Rel-18 38.321 18.1.0 1797 - F NR\_MT\_SDT-Core, NR\_SmallData\_INACTIVE-Core

R2-2403714 SDT RIL List ZTE Corporation (rapporteur) report

R2-2403724 SDT CR for agreed RILs ZTE Corporation (rapporteur) CR Rel-18 38.331 18.1.0 4765 - F NR\_SmallData\_INACTIVE-Core

### 7.18.2 Others

*Essential corrections only (including any topics*

*Including outcome of [POST125][026][MT-SDT] Fix “ongoing” procedure (ZTE)*

R2-2402700 Discussion on SDT procedure ongoing Ericsson discussion Rel-18 NR\_MT\_SDT-Core

R2-2403083 Correction on sdt-LogicalChannelSR-DelayTimer applicability Nokia, Nokia Shanghai Bell CR Rel-18 38.321 18.1.0 1774 1 F NR\_MT\_SDT-Core R2-2401302

## 7.19 Enhanced support of reduced capability NR devices

(NR\_redcap\_enh-Core; leading WG: RAN1; REL-18; WID: [RP-232671](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_101/Docs/RP-232671.zip))

WI is declared 100% complete

Time budget: 0 TU

Tdoc Limitation: 1 Tdocs

### 7.19.1 Organizational

Incoming LSs, CR rapporteur’s miscellaneous non-controversial corrections, etc.

R2-2402104 LS on Rel-18 RedCap enhancements work (C1-241809; contact: Huawei) CT1 LS in Rel-18 NR\_redcap\_enh-Core To:SA2 Cc:CT4, RAN2, RAN3

R2-2402450 Miscellaneous corrections on TS 38.304 for eRedCap Huawei, HiSilicon CR Rel-18 38.304 18.1.0 0394 - F NR\_redcap\_enh-Core

R2-2402619 Miscellaneous corrections on TS 38.321 for eRedCap vivo (Rapporteur) CR Rel-18 38.321 18.1.0 1795 - F NR\_redcap\_enh-Core Late

R2-2403394 Miscellaneous corrections for eRedCap Ericsson CR Rel-18 38.331 18.1.0 4729 - F NR\_redcap\_enh-Core Late

R2-2403397 RIL List for eRedCap - after RAN2#125 Ericsson discussion Rel-18 NR\_redcap\_enh-Core

### 7.19.2 Papers related to RILs

Papers related to identified RILs

R2-2402449 Clarification on remaining RIL issues for eRedcap and proposed TP to RRC Xiaomi Communications discussion

R2-2403401 Discussion on RILs E158 E159 and V179 on eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core Late

R2-2403687 [V179] Discussion on more details for V179 vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

R2-2403688 [X110] Discussion on MsgA PUSCH less than 5MHz vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

### 7.19.3 Other

*Critical corrections, if any.*

R2-2402382 MAC corrections for supporting 2-step RACH for eRedCap ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core

R2-2402448 Remaining issues on the use of 2-step RA resources for eRedCap UEs Xiaomi Communications discussion

R2-2402620 Discussion on remaining issues for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

R2-2403053 Need for clarification on 1 Rx and 2 Rx (e)RedCap UE barring Telit Communications S.p.A. discussion

R2-2403271 1 Rx and 2 Rx eRedCap UE barring Nokia discussion Rel-18 NR\_redcap\_enh-Core

R2-2403399 Discussion on 1 Rx and 2 Rx eRedCap UE barring Ericsson discussion Rel-18 NR\_redcap\_enh-Core

R2-2403667 Remaining issues on eRedCap LG Electronics Inc. discussion Rel-18 NR\_redcap\_enh-Core

## 7.20 NR MIMO evolution

(NR\_MIMO\_evo\_DL\_UL-Core; leading WG: RAN1; REL-18; WID: [RP-233028](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_98e/Docs/RP-223276.zip))

Time budget: 0TU

Tdoc Limitation: 2 tdoc

### 7.20.1 Organizational

Rapporteur input, i.e., WI/Spec Rapporteur(s) are invited to provide updated open issues lists that need to be handled.

Incoming LS.

Stage 2 corrections

R2-2402801 MAC open issue list for MIMO evolution Samsung, NTT DOCOMO, INC. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403729 NR RIL List Q2 Phase 1 MIMO (v102) Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core Late

### 7.20.2 MAC

Corrections to MAC.

Discussions and propsoals on the open issues if listed by Rapporteur(s) or triggered by LSs, ect.

R2-2402537 Discussion on CG-SDT Related TAT Handling with Two TAs CATT discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402802 MAC Remaining issues on MIMO Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402820 Discussion on co-existence of SDT and the configuration of 2 PTAGs OPPO discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402842 Remaining issue on STx2P PHR LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402843 Remaining issues on SDT and 2-PTAGs LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402940 Discussion on remaining issues of NR MIMO evo Qualcomm Incorporated discussion NR\_MIMO\_evo\_DL\_UL-Core

R2-2403084 Correction on multi-TRP STx2P PHR MAC CE Nokia discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403292 Correction on RA for 2TA Huawei, HiSilicon CR Rel-18 38.321 18.1.0 1818 - F NR\_MIMO\_evo\_DL\_UL-Core

R2-2403375 Cosideration On PHR and PHR MA CE for STxMP ZTE Corporation, Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

### 7.20.3 RRC

Corrections to RRC, RILs.

Discussions and propsoals on the open issues if listed by Rapporteur(s) or triggered by LSs, ect..

R2-2402288 Discussion on CBRS configuration for CJT NEC discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402538 [C506][C508][C512][C513][C514][C515][C516][C519] RRC Corrections for MIMO CATT, Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402803 RIL S952, S953, S954, S955, S956, S957, C515, C516, E228, E229 Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2402804 RIL S958, S959 on codebook CBSR Samsung, Xiaomi, Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403134 [N110] Correction on Unified TCI operation Nokia discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403222 Remaining aspects on RRC for MIMOevo, E228, E229, C515, C516 Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403293 [H152][H153] RRC corrections for MIMO Huawei, HiSilicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

R2-2403376 Discussion On Remaining Issues on mTRP with 2TA ZTE, Samsung, CATT, OPPO discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

## 7.21 Further NR coverage enhancements

(NR\_cov\_enh2-Core; leading WG: RAN1; REL-18; WID: [RP-221858](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221858.zip))

Time budget: 0 TU

Tdoc Limitation: 2 tdoc

### 7.21.1 Organizational

Incoming LSs, Rapporteur input etc.

Editorials/clarifications should not be included in any tdoc but sent to the WI spec rapporteurs, who can submit a rapporteur CR as part of this AI.

Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

R2-2402107 Reply LS on UE capabilities for MPR reduction (R1-2401627; contact: Nokia) RAN1 LS in Rel-18 NR\_cov\_enh2 To:RAN4

R2-2402135 LS on power class capability for NR coverage enhancement (R4-2403659; contact: LGE) RAN4 LS in Rel-18 To:RAN2

R2-2403703 CE RIL resolutions Huawei, HiSilicon discussion Rel-18 NR\_cov\_enh2-Core

### 7.21.2 Control plane corrections

R2-2402242 [M871][M872] On the number of RACH partitions MediaTek Inc. CR Rel-18 38.331 18.1.0 4649 - F NR\_cov\_enh2-Core

R2-2402359 Clarification on rsrp-ThresholdMsg1-RepetitionNumX Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4657 - F NR\_cov\_enh2-Core

R2-2402753 Correction on CE capability ZTE Corporation discussion Rel-18 NR\_cov\_enh2-Core

R2-2403726 RRC CR for capability for NR coverage enhancement LG Electronics Inc. CR Rel-18 38.331 18.1.0 4766 F NR\_cov\_enh2-Core Late

R2-2403727 38.306 CR for capability for NR coverage enhancement LG Electronics Inc. CR Rel-18 38.306 18.1.0 1089 F NR\_cov\_enh2-Core Late

### 7.21.3 User plane corrections

Input to the open issue regarding details of ra-ssb-OccasionMaskIndex for CFRA and any other critical open issues

R2-2402224 Support of RO Mask with Preamble Repetition vivo discussion Rel-18 NR\_cov\_enh2-Core

R2-2402360 Discussion on mask index for CFRA and other UP issues Huawei, HiSilicon discussion NR\_cov\_enh2-Core

R2-2402367 Correction to PHR MAC CE Design for assumed PUSCH reporting Samsung Electronics Co., Ltd, Nokia, Nokia Shanghai Bell, Lenovo discussion Rel-18 NR\_cov\_enh2-Core

R2-2402368 CFRA with Msg1 Repetition - RO Mask handling Samsung Electronics Co., Ltd, China Telecom discussion Rel-18 NR\_cov\_enh2-Core

R2-2402533 Discussion on ra-ssb-OccasionMaskIndex for CFRA with Msg1 repetition China Telecom discussion Rel-18 NR\_cov\_enh2-Core

R2-2402534 Draft LS on ra-ssb-OccasionMaskIndex handling for CFRA with Msg1 repetition China Telecom LS out Rel-18 NR\_cov\_enh2-Core To:RAN1

R2-2402701 Discussion on Msg1 Repetitions and use of ra-ssb-OccasionMaskIndex Ericsson discussion Rel-18 NR\_cov\_enh2-Core

R2-2402711 Updating RO Mask index for multiple PRACH repetitions Ericsson CR Rel-18 38.321 18.1.0 1796 - F NR\_cov\_enh2-Core

R2-2402752 RO Mask Index in CFRA with Msg1 Repetition ZTE Corporation discussion Rel-18 NR\_cov\_enh2-Core

R2-2402909 Correction for assumed PUSCH PHR InterDigital discussion Rel-18 NR\_cov\_enh2-Core

R2-2403085 PRACH Mask for Msg1 repetition Nokia discussion Rel-18 NR\_cov\_enh2-Core

R2-2403086 Draft LS on PRACH mask applicability for Msg1 repetition Nokia LS out Rel-18 NR\_cov\_enh2-Core To:RAN1

R2-2403120 Discussions on PRACH Mask for CFRA with Msg1 repetition NEC Corporation. discussion Rel-18 NR\_cov\_enh2-Core

R2-2403125 Discussion on reporting for MPE and assumed PUSCH NEC Corporation, ZTE Corporation, Sanechips discussion Rel-18 NR\_cov\_enh2-Core

R2-2403256 RO Masking for Msg-1 repetition Qualcomm Incorporated discussion Rel-18

R2-2403668 PRACH Mask for CFRA with Msg1 repetition LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core

R2-2403678 Discussion on RO mask index in CFRA with Msg1 repetition CATT discussion Rel-18 NR\_cov\_enh2-Core

R2-2403694 Discussion on LS from R4 on power class capability for NR coverage CATT discussion Rel-18 NR\_cov\_enh2-Core

## 7.22 Void

## 7.23 Timing Resiliency and URLLC Enh

(NR\_TRS\_URLLC; leading WG: RAN3; REL-18; WID: [RP-230754](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_99/Docs/RP-230754.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 7.23.1 Organizational

Incoming LSs, Rapporteur input etc.

R2-2402518 Corrections to URLLC and Timing Resiliency Ericsson CR Rel-18 38.331 18.1.0 4667 - F TRS\_URLLC-NR-Core

=> Revised in R2-2403722

R2-2403722 Corrections to URLLC and Timing Resiliency Ericsson CR Rel-18 38.331 18.1.0 4667 1 F TRS\_URLLC-NR-Core

### 7.23.2 General

Essential corrections only.

R2-2402295 [V530] Correction on VarTSS-Info vivo CR Rel-18 38.331 18.1.0 4653 - F TRS\_URLLC-NR-Core Late

R2-2403051 Simplification of SIB9 reception Nokia, Nokia Shanghai Bell, Ericsson discussion Rel-18 TRS\_URLLC-NR-Core

## 7.24 TEI18

Specific items may be allocated to a breakout session for treatment.

Time budget: 1 TU

R2-2403094 Restriction on RAT utilization Vodafone draftCR Rel-18 36.304 18.1.0 B TEI18 Late

R2-2403095 Restriction on RAT utilization Vodafone draftCR Rel-18 38.304 18.1.0 TEI18 Late

### 7.24.1 TEI proposals by Other Groups

Items initiated by other groups that is/has been communicated by LS, where the other group indicate this is TEI18. (Specific other-group-WIs should use the R18 Other Agenda Item below).

R2-2402105 Reply LS on Mitigation of Downgrade attacks (C1-241848; contact: Apple) CT1 LS in Rel-18 TEI18 To:SA3 Cc:RAN2

R2-2402122 Reply LS on Trace functionality extension in N3IWF for non-3GPP access scenarios (R3-241066; contact: Ericsson) RAN3 LS in Rel-18 TEI18 To:SA5 Cc:RAN2

R2-2402123 Reply LS on user consent for trace reporting (R3-241115; contact: Ericsson) RAN3 LS in Rel-18 TEI18 To:SA5 Cc:RAN2, SA2, SA3

R2-2402147 Reply LS on Multiple Trace/MDT configurations (S5-240798; contact: Ericsson) SA5 LS in Rel-18 TEI18 To:RAN3 Cc:RAN2

R2-2403538 Introduction of LCS User Plane Ericsson, Intel Corporation, Huawei, HiSilicon, ZTE Corporation, vivo CR Rel-18 38.305 18.1.0 0159 1 B TEI18 R2-2401320

### 7.24.2 TEI proposals by RAN2

Items initiated in RAN2 for NR and LTE.

No contributions should be submitted under 7.24.2. They should be submitted under 7.24.x

Tdoc limitation: 1 tdoc, limitation applicable to new proposals. No new Cat. B proposals expected for this meeting

R2-2403792 [B021] Missing posSibType2-17a in list of posSIB types [PosL2RemoteUE] MediaTek Inc. CR Rel-18 38.331 18.1.0 4767 - F TEI18 Late

#### 7.24.2.1 2Rx XR

Contributions on signaling support for ‘2Rx non-REDCAP XR devices’ as per RP-234015. Co-source contributions are highly encouraged.

R2-2403105 Emergency call support for 2Rx XR UE Huawei, HiSilicon discussion Rel-18 TEI18

R2-2403106 Clarification for UE capability for 2Rx XR Huawei, HiSilicon discussion Rel-18 TEI18

R2-2403107 Correction on cell status for 2Rx XR UE Huawei, HiSilicon discussion Rel-18 TEI18

R2-2403382 38331\_Correction for the selected band for 2RX XR UE capability checking Xiaomi Communications draftCR Rel-18 38.331 18.1.0 TEI18, NR\_XR\_enh-Core

#### 7.24.2.2 Other RAN2 TEI-18

Contributions should focus only critical issues/corrections for already agreed TEI-18 topics. New TEI proposals should address critical issues that should be resolved by RAN2#125. Co-sourcing of such proposals is encouraged. Contributions on items that were explicitly downprioritized from Rel-18 WIs should not be brought as TEI18. No new Cat. B proposals expected for this meeting

Including outcome of [POST125][022][RedCap emergency calls] Review CRs (Apple) and [POST125][612][TEI18] CR for MBS operation with eDRX/MICO (Nokia)

R2-2402210 Remove of AS condition checking of SUI for U2N Relay communication OPPO, Apple CR Rel-18 38.331 18.1.0 4645 - F TEI18, NR\_SL\_relay\_enh-Core

R2-2402211 Discussion on AS condition checking of SUI for U2N Relay communication OPPO, Apple discussion Rel-18 TEI18, NR\_SL\_relay\_enh-Core

R2-2402283 Correction to 38.300 for redcap CFR of MBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

R2-2402324 Remaining Issue on Broadcast CFR for Redcap vivo discussion Rel-18 NR\_MBS-Core, NR\_redcap-Core, TEI18 R2-2400955 Late

R2-2402329 Discussion on specification modification of redirection to GERAN vivo, Samsung discussion Rel-18 TEI18

R2-2402330 36.331 Correction on redirection to GERAN vivo, Nokia, Nokia Shanghai Bell CR Rel-18 36.331 18.1.0 5000 - F TEI18

R2-2402372 Corrections for MUSIM paging cause forwarding Samsung Electronics Co., Ltd discussion Rel-18 TEI18

R2-2402418 Corrections for Bluetooth AoA/AoD [BT-AoA-AoD] Intel Corporation discussion Rel-18 TEI18

R2-2402631 MCCH Search space for (e)RedCap UE MBS broadcast reception ZTE, Sanechips discussion Rel-18 TEI18

R2-2402769 Clarification on MBS search spaces configuration for (e)Redcap [RedCapMBS\_Bcast] Huawei, CATT, Xiaomi, HiSilicon discussion Rel-18 TEI18, NR\_MBS\_enh-Core, NR\_redcap\_enh-Core

R2-2402770 Correction on MBS search spaces configuration for (e)Redcap [RedCapMBS\_Bcast] Huawei, CATT, Xiaomi, HiSilicon CR Rel-18 38.331 18.1.0 4689 - F TEI18, NR\_MBS\_enh-Core, NR\_redcap\_enh-Core

R2-2402900 Summary of [POST125][022][RedCap emergency calls] Discussion Apple discussion Rel-18 TEI18

R2-2402901 Introduction of barring exemption for RedCap UEs for emergency calls [RedCap\_EM\_Call] Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.304 18.1.0 0380 1 B TEI18 R2-2400931 Late

R2-2402902 Introduction of barring exemption for RedCap UEs for emergency calls [RedCap\_EM\_Call] Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.331 18.1.0 4570 1 B TEI18 R2-2400930

R2-2402903 Introduction of barring exemption for RedCap UEs for emergency calls [RedCap\_EM\_Call] Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.304 18.1.0 0380 2 B TEI18 R2-2400931

R2-2402904 Introduction of barring exemption for eRedCap UEs for emergency calls Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.331 18.1.0 4571 1 B TEI18 R2-2400932

R2-2403000 Emergency Call in Feature specific cells Lenovo discussion

R2-2403087 SDT BFR timer being not configured [RA-SDT\_BeamFailure] Nokia, Sony, Nokia Shanghai Bell CR Rel-18 38.321 18.1.0 1814 - F TEI18

R2-2403088 Introduction of SDT BFR [RA-SDT\_BeamFailure] Nokia, Sony, Nokia Shanghai Bell CR Rel-18 38.300 18.1.0 0847 - B TEI18

R2-2403141 Introduction of barring exemption for eRedCap UEs for emergency calls [RedCap\_EM\_Call] Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.304 18.1.0 0381 1 B TEI18 R2-2400933 Revised

R2-2403183 Enhancing leaving and entering conditions in measurement report [meas\_enter\_leave] Ericsson, T-Mobile USA, Turkcell, Rakuten Mobile, BT Plc., NTT Docomo, Deutsche Telekom, MediaTek Inc., Verizon, AT&T, Vodafone, Continental Automotive, KDDI, Charter, NEC, Telecom Italia, CATT, Reliance Jio discussion Rel-18 TEI18

R2-2403184 [E230] Clarification on CIO configured within ReportConfig [CIO\_in\_ReportConfig] Ericsson CR Rel-18 38.331 18.1.0 4707 - F TEI18

R2-2403315 [Draft] LS on emergency call support for (e)RedCap in barred cells Apple [to be RAN2] LS out Rel-18 TEI18 To:RAN3

R2-2403358 LS to RTCM on GNSS positioning and integrity Swift Navigation, Ericsson discussion

R2-2403472 Introduction of barring exemption for eRedCap UEs for emergency calls [RedCap\_EM\_Call] Apple, China Telecom, Vodafone, Verizon, TMobile USA, ZTE, Vivo, Ericsson CR Rel-18 38.304 18.1.0 0381 2 B TEI18 R2-2403141

R2-2403539 LPP support for sub 1s location information reporting periodicity Ericsson, AT&T, T-Mobile, Vivo, Deutsche Telekom CR Rel-18 38.305 18.1.0 0159 2 B TEI18 R2-2401320 Withdrawn

R2-2403578 Failure information in RLF report for inter-RAT mobility SHARP Corporation discussion R2-2400905

R2-2403598 MBS operation with eDRX MICO [TEI18 NR\_MBS\_enh] Nokia, Ericsson CR Rel-18 38.304 18.1.0 0399 - F TEI18

R2-2403605 LPP support for sub 1s location information reporting periodicity Ericsson, AT&T, T-Mobile, Vivo, Deutsche Telekom CR Rel-18 37.355 18.1.0 0501 - B TEI18

## 7.25 R18 Other

Specific items may be allocated to a breakout session for treatment.

Impacts from Other RAN WGs and TSGs that has no separate TU budget in RAN2. LS ins for Rel-18 specific WIs/SIs that has no RAN WI.

Clarification CRs should be discussed with spec rapporteurs of the topic prior to submission.

Time budget: 2 TU

Tdoc Limitation: -

### 7.25.1 RAN4 led items

#### 7.25.1.1 Lower MSD capability

#### 7.25.1.2 Intra-band non-collocated NR-CA. EN-DC

#### 7.25.1.3 TCI State Switch indication for HST

#### 7.25.1.4 FR2 Multi Rx operation

#### 7.25.1.5 FR2 SCell Enhancements

#### 7.25.1.6 ATG

R2-2402128 LS on Layer-2/3 ATG UE features (R4-2403467; contact: CMCC) RAN4 LS in Rel-18 NR\_ATG To:RAN2

R2-2403013 ATG ASN1 RIL List CMCC report Rel-18 NR\_ATG-Core Late

R2-2403014 Corrections to NR ATG CMCC CR Rel-18 38.331 18.1.0 4697 - F NR\_ATG-Core Late

#### 7.25.1.7 Other

*Including outcome of [POST125] [012] [less5MHz] Backward compatibility issue(Qualcomm)*

*Including BWP operation without restrictions, measurement gaps, etc*

R2-2402113 LS on NCD-SSB time offset for non-RedCap UEs in TDD (R1-2401743; contact: Vodafone) RAN1 LS in Rel-18 NR\_BWP\_wor-Core To:RAN2, RAN4

R2-2402126 Reply LS on RRC network assistant signalling for advanced receiver on MU-MIMO scenario (R4-2403086; contact: China Telecom, CATT) RAN4 LS in Rel-18 NR\_demod\_enh3-Core To:RAN2, RAN1

R2-2402138 Reply to LS on inter-frequency neighbour cells supporting NR dedicated spectrum less than 5 MHz for FR1 (R4-2403852; contact: Huawei) RAN4 LS in Rel-18 NR\_FR1\_lessthan\_5MHz\_BW To:RAN1 Cc:RAN2

R2-2402139 LS on applicable release of per FS TxD capability (R4-2403857; contact: OPPO) RAN4 LS in Rel-18 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC-Core To:RAN2

R2-2402327 Discussion on neighbour cells supporting dedicated spectrum less than 5MHz vivo discussion Rel-18

R2-2402496 Report of [POST125] [012] [less5MHz] Backward compatibility issue Qualcomm Incorporated discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW-Core

R2-2402535 Discussion on RRC signalling for advanced receiver on MU-MIMO scenario China Telecom, CATT discussion Rel-18 NR\_demod\_enh3-Core

R2-2402536 Correction on RRC signalling for advanced receiver China Telecom, CATT CR Rel-18 38.331 18.1.0 4673 - F NR\_demod\_enh3-Core

R2-2402621 Miscellaneous corrections on TS 38.300 for BWP operation without restriction vivo CR Rel-18 38.300 18.1.0 0837 - F NR\_BWP\_wor-Core

R2-2402622 RIL list for BWP\_Wor vivo discussion Rel-18 NR\_BWP\_wor-Core Late

R2-2402623 [V994][V995] Miscellaneous corrections on TS 38.331 for BWP operation without restriction vivo CR Rel-18 38.331 18.1.0 4679 - F NR\_BWP\_wor-Core

R2-2402787 Remaining aspects of NR less than 5 MHz not concluded by [POST125] [012] Qualcomm Incorporated discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW-Core

R2-2402788 Introduction of NR support for dedicated spectrum less than 5MHz for FR1 Qualcomm Incorporated CR Rel-18 38.331 18.1.0 4525 1 B NR\_FR1\_lessthan\_5MHz\_BW-Core R2-2400431

R2-2402789 Introduction of NR support for dedicated spectrum less than 5MHz for FR1 Qualcomm Incorporated CR Rel-18 36.331 18.1.0 4983 1 B NR\_FR1\_lessthan\_5MHz\_BW-Core R2-2400432

R2-2402790 [DRAFT] Reply LS on inter-frequency neighbour cells supporting NR dedicated spectrum less than 5 MHz for FR1 Qualcomm Incorporated LS out Rel-18 NR\_FR1\_lessthan\_5MHz\_BW-Core To:RAN1, RAN4

R2-2402924 [draft] LS on RRM enhancements for NR FR2 HST Samsung LS out Rel-18 NR\_HST\_FR2\_enh To:RAN4

R2-2403167 Remaining issues on advance receivers Ericsson discussion Rel-18 NR\_demod\_enh3-Core

R2-2403353 Discussion on indicating less than 5 MHz neighbor carriers in SIBs Huawei, HiSilicon discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW

R2-2403354 Introduction of less than 5MHz carriers for NR FR1 Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4724 - B NR\_FR1\_lessthan\_5MHz\_BW

R2-2403355 Introduction of less than 5MHz carriers for NR FR1 Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5012 - B NR\_FR1\_lessthan\_5MHz\_BW

### 7.25.2 RAN1 led items

E.g. UL Tx Switching, MC enhancements, DSS

R2-2402110 LS on TS38.300 TP for Multi-cell scheduling in Rel-18 (R1-2401716; contact: NTT DOCOMO) RAN1 LS in Rel-18 NR\_MC\_enh-Core To:RAN2

R2-2402116 Reply LS on UL Tx switching (R1-2401776; contact: NTT DOCOMO) RAN1 LS in Rel-18 NR\_MC\_enh-Core To:RAN2 Cc:RAN4

R2-2402134 Reply LS on UL Tx switching (R4-2403657; contact: vivo) RAN4 LS in Rel-18 NR\_MC\_enh-Core To:RAN2 Cc:RAN1

R2-2403706 RIL list for Rel-18 MC enhancement Huawei, HiSilicon report Rel-18 NR\_MC\_enh-Core

### 7.25.3 Other

RAN3, SA2, SA3, CT1 led items and others, e.g. eNPN, Slicing, NTN self evaluation issues, etc.

R2-2403529 Introduction of NR UE Rx-Tx time difference measurement in NR UL E-CID [ECID-UERxTx] Ericsson, Polaris Wireless, China Telecom, NTT Docomo, AT&T, FirstNet, Intel, Comtech, Nokia, Nokia Shanghai Bell, Verizon Wireless, Huawei, ZTE CR Rel-18 38.305 18.1.0 0164 - F NR\_pos-Core

# 8 Rel-19

## 8.0 General

This AI is reserved for Rel-19 LSs from other WGs. No contributions are expected on these LSs for this meeting

R2-2402140 LS Reply to SA5 on LS on new definitions of energy efficiency and energy consumption (S2- 2403444; contact: OPPO) SA2 LS in Rel-19 FS\_EnergySys To:SA5 Cc:SA1, RAN1, RAN2, RAN3

R2-2402142 LS on per UE energy consumption in RAN (S2-2403733; contact: Vodafone) SA2 LS in Rel-19 FS\_EnergySys To:RAN, RAN1, RAN2, RAN4 Cc:SA, SA1, SA5, RAN3

R2-2402144 Clarification on the requirements for NTZ (S2-2403859; contact: LGE) SA2 LS in Rel-19 FS\_UAS\_Ph3 To:RAN2, RAN Cc:RAN1, RAN3

R2-2402148 Reply LS RP-240031 on clarification on requirements for NTZ (RP-240810; contact: InterDigital) RAN LS in Rel-19 FS\_UAS\_Ph3 To:SA2 Cc:RAN1, RAN2, RAN3, SA

R2-2402149 Reply LS RP-240029 on per UE energy consumption in RAN (RP-240825; contact: InterDigital) RAN LS in Rel-19 FS\_EnergySys To:SA2 Cc:RAN1, RAN2, RAN3, SA

## 8.1 AI/ML for NR air interface

(NR\_AIML\_air-Core; leading WG: RAN1; REL-19; WID: [RP-240774](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240774.zip))

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 8.1.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2403213 Discussion on SA5 AIML management aspects NEC discussion Rel-19 NR\_AIML\_air-Core

R2-2403628 RAN2 Work Plan for Rel-19 WI on AI/ML for NR air interface Ericsson discussion Rel-19 NR\_AIML\_air-Core

### 8.1.2 Functionality based LCM

Contributions should focus on general understanding of LCM procedure (except for data collection and model transfer/delivery), what is required to enable the UE to perform different steps of the LCM procedure, what is the granularity of functionality, dependencies with RAN1 and what is needed from RAN1 to progress in RAN2

Contributions should be submitted in 8.1.2.x for NW sided and UE sided model respectively.

Two-sided model discussions are out of scope of this AI

Contributions should focus on the beam management use case and 1st prioirty positioning use cases.

Model identification and model transfer/delivery is out of scope of this AI and will be discussed in RAN2#126 after further RAN1 progress

R2-2402247 other aspect of AI/ML LCM TCL discussion Rel-19 Withdrawn

#### 8.1.2.1 LCM for NW-sided model

R2-2402172 LCM for NW-sided model OPPO discussion Rel-19 NR\_AIML\_air-Core

R2-2402268 Discussion on the LCM for NW-sided model Fujitsu discussion Rel-19 NR\_AIML\_air-Core

R2-2402299 Discussion on LCM for NW-sided model CATT discussion Rel-19 NR\_AIML\_air-Core

R2-2402419 Discussion on LCM for NW-sided model Intel Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402429 Discussion on LCM for NW-sided model Xiaomi discussion

R2-2402486 Discussion on functionality based LCM for NW-sided model vivo discussion Rel-18 NR\_AIML\_air-Core

R2-2402651 Considerations on LCM for NW side model ZTE Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402670 LCM for Network sided model NEC discussion NR\_Mob\_enh2-Core

R2-2402729 Discussion on LCM for NW-sided model Lenovo discussion Rel-19

R2-2402783 Functionality-based LCM for NW sided model Samsung discussion Rel-19 NR\_AIML\_air-Core

R2-2402795 Lifecycle management for Network-sided model Fraunhofer IIS, Fraunhofer HHI discussion

R2-2402861 General LCM framework for NW-sided model Apple discussion Rel-19 NR\_AIML\_air-Core

R2-2402959 NW-side AI/ML Functionality based LCM Nokia discussion Rel-19 NR\_AIML\_air-Core, NR\_AIML\_air

R2-2403019 Discussion on LCM for NW-sided model CMCC discussion Rel-19 NR\_AIML\_air-Core

R2-2403153 General LCM framework for NW-sided Model SHARP Corporation discussion

R2-2403160 Discussion on functionality based LCM for NW-sided model Huawei, HiSilicon discussion Rel-19 NR\_AIML\_air-Core

R2-2403227 Discussion on LCM of Network-Sided Models Qualcomm Incorporated discussion Rel-19

R2-2403232 LCM for NW-sided model Interdigital Inc. discussion Rel-19 NR\_AIML\_air-Core

R2-2403236 Discussion on Functionality-based LCM for NW-side Model CEWiT discussion

R2-2403458 Discussion on LCM for NW-Side Models Futurewei Technologies discussion Rel-19

R2-2403570 LCM for NW-sided model LG Electronics discussion Rel-19 NR\_AIML\_air-Core

R2-2403590 Discussion on LCM for NW sided model IIT Kanpur, Indian Institute of Tech (M) discussion Rel-19

R2-2403629 LCM for NW-side models Ericsson discussion Rel-19 NR\_AIML\_air-Core

#### 8.1.2.2 LCM for UE-sided model

Including functionality identification, additional conditions and further reporting of applicable functionalities

R2-2402173 LCM for UE-sided model OPPO discussion Rel-19 NR\_AIML\_air-Core

R2-2402251 Discussion on LCM for UE-side model TCL discussion Rel-19

R2-2402269 Discussion on the LCM for UE-sided model Fujitsu discussion Rel-19 NR\_AIML\_air-Core

R2-2402300 Discussion on LCM for UE-sided model CATT discussion Rel-19 NR\_AIML\_air-Core

R2-2402340 Discussion on LCM for UE-sided model Spreadtrum Communications discussion Rel-19

R2-2402365 Functionality-based LCM for UE-side Model MediaTek Inc. discussion

R2-2402420 Discussion on LCM for UE-sided model Intel Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402430 Discussion on LCM for UE-sided model Xiaomi discussion

R2-2402487 Discussion on functionality based LCM for UE-sided model vivo discussion Rel-18 NR\_AIML\_air-Core

R2-2402671 LCM for UE sided model NEC discussion NR\_Mob\_enh2-Core

R2-2402686 Discussion on UE-sided model LCM for AI/ML for Air Interface HONOR discussion Rel-19 NR\_AIML\_air

R2-2402730 Discussion on LCM for UE-sided model Lenovo discussion Rel-19

R2-2402784 Functionality-based LCM for UE sided model Samsung discussion Rel-19 NR\_AIML\_air-Core

R2-2402862 General LCM framework for UE-sided model Apple discussion Rel-19 NR\_AIML\_air-Core

R2-2402960 UE-Side AI/ML Functionality based LCM Nokia discussion Rel-19 NR\_AIML\_air-Core, NR\_AIML\_air

R2-2403020 Discussion on LCM for UE-sided model CMCC discussion Rel-19 NR\_AIML\_air-Core

R2-2403054 Some aspects about model inference, monitoring & update for UE side model Sony discussion Rel-19 NR\_AIML\_air-Core

R2-2403096 Lifecycle management for UE-sided model Fraunhofer HHI, Fraunhofer IIS discussion

R2-2403161 Discussion on functionality based LCM for UE-sided model Huawei, HiSilicon discussion Rel-19 NR\_AIML\_air-Core

R2-2403166 General LCM Framework for UE-sided Model SHARP Corporation discussion

R2-2403228 Discussion on LCM of UE-Sided Models Qualcomm Incorporated discussion Rel-19

R2-2403233 LCM for UE-sided model Interdigital Inc. discussion Rel-19 NR\_AIML\_air-Core

R2-2403237 Discussion on Functionality-based LCM for UE-side Model CEWiT discussion

R2-2403377 Considerations on LCM for UE side Model ZTE Corporation,Sanechips discussion Rel-19 NR\_AIML\_air-Core

R2-2403461 Discussion on LCM for UE-Side Models Futurewei Technologies discussion

R2-2403571 LCM for UE-sided model LG Electronics discussion Rel-19 NR\_AIML\_air-Core

R2-2403574 Considerations for moving forward with Functionality-based LCM Kyocera discussion

R2-2403589 Discussion on LCM for UE sided model IIT Kanpur, Indian Institute of Tech (M) discussion Rel-19

R2-2403656 Discussion on LCM for UE side models Indian Institute of Tech (M), IIT Kanpur discussion Rel-19

R2-2403662 LCM for UE-side models Ericsson discussion NR\_AIML\_air-Core

R2-2403691 Discussion LCM for UE-side model NTT DOCOMO, INC. discussion Rel-19

### 8.1.3 NW side data collection

Contributions should focus on the mechanisms and principles identified for data collection for network side model training during rel-18

R2-2402170 Data Collection for Network Side Model Training OPPO discussion Rel-19 NR\_AIML\_air-Core

R2-2402252 Discussion on NW side data collection TCL discussion Rel-19

R2-2402270 Discussion on NW side data collection Fujitsu discussion Rel-19 NR\_AIML\_air-Core

R2-2402301 Consideration on NW side data collection CATT discussion Rel-19 NR\_AIML\_air-Core

R2-2402341 Discussion on NW side data collection Spreadtrum Communications discussion Rel-19

R2-2402363 Data Collection for Network Side Model Training MediaTek Inc. discussion

R2-2402421 Discussion on network-sided model training data collection Intel Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402431 Discussion on NW side data collection Xiaomi discussion

R2-2402488 Discussion on NW side data collection vivo discussion Rel-18 NR\_AIML\_air-Core

R2-2402530 Discussion on NW side data collection for AI-ML based positioning accuracy enhancement Baicells discussion

R2-2402594 Discussion on data collection for NW-side model training NEC discussion Rel-19 NR\_AIML\_air-Core

R2-2402652 Considerations on NW side data collection ZTE Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402731 Discussion on data collection for NW-sided model Lenovo discussion Rel-19

R2-2402776 Latency Requirement for Data Collection Samsung discussion Rel-19 NR\_AIML\_air-Core

R2-2402796 Network-side data collection Fraunhofer IIS, Fraunhofer HHI discussion

R2-2402863 Discussion on NW-sided data collection Apple discussion Rel-19 NR\_AIML\_air-Core

R2-2402961 Data Collection for Training of NW-side AI/ML Models Nokia discussion Rel-19 NR\_AIML\_air-Core, NR\_AIML\_air

R2-2403021 Discussion on NW side data collection CMCC discussion Rel-19 NR\_AIML\_air-Core

R2-2403162 Discussion on NW-sided data collection for training Huawei, HiSilicon discussion Rel-19 NR\_AIML\_air-Core

R2-2403229 Discussion on Network Side Data Collection Qualcomm Incorporated discussion Rel-19

R2-2403234 Data Collection for Network-Side Model Training Interdigital Inc. discussion Rel-19 NR\_AIML\_air-Core

R2-2403469 Discussion on Data Collection for NW-side Model Training Futurewei Technologies discussion

R2-2403572 NW side data collection LG Electronics discussion Rel-19 NR\_AIML\_air-Core

R2-2403657 Discussion on NW side data collection Indian Institute of Tech (M), IIT Kanpur discussion Rel-19

R2-2403660 NW-side Data Collection Ericsson discussion NR\_AIML\_air-Core

### 8.1.4 UE side data collection

Study part of WID - Contributions should focus on the mechanisms identified for data collection for UE side model training during rel-18

R2-2402171 Data Collection for UE Side Model Training OPPO discussion Rel-19 NR\_AIML\_air-Core

R2-2402302 Consideration on UE side data collection CATT discussion Rel-19 NR\_AIML\_air-Core

R2-2402316 Data collection for UE side model training Xiaomi discussion Rel-19 NR\_AIML\_air-Core

R2-2402342 Discussion on UE side data collection Spreadtrum Communications discussion Rel-19

R2-2402364 Data Collection for UE Side Model Training MediaTek Inc. discussion

R2-2402375 Data collection for UE-side model training Samsung discussion Rel-19 NR\_AIML\_air-Core

R2-2402478 Label Dataset Transfer for Positioning UE-sided model training Intel Corporation discussion Rel-19 NR\_AIML\_air-Core

R2-2402489 Discussion on UE side data collection vivo discussion Rel-18 NR\_AIML\_air-Core

R2-2402669 Data Collection for UE side Model training NEC discussion NR\_Mob\_enh2-Core

R2-2402732 Discussion on data collection for UE-sided model Lenovo discussion Rel-19

R2-2402864 Discussion on UE-sided data collection Apple discussion Rel-19 NR\_AIML\_air-Core

R2-2402962 Data Collection for Training of UE-side AI/ML Models Nokia discussion Rel-19 NR\_AIML\_air-Core, NR\_AIML\_air

R2-2403022 Discussion on data collection for UE-sided model training CMCC discussion Rel-19 NR\_AIML\_air-Core

R2-2403122 UE-side data collection Fraunhofer HHI, Fraunhofer IIS discussion

R2-2403163 Discussion on UE-sided data collection for training Huawei, HiSilicon discussion Rel-19 NR\_AIML\_air-Core

R2-2403230 Discussion on UE Side Data Collection Qualcomm Incorporated discussion Rel-19

R2-2403235 Data Collection for UE-Side Model Training Interdigital Inc. discussion Rel-19 NR\_AIML\_air-Core

R2-2403378 Consideration on UE Side Data Colection ZTE Corporation,Sanechips discussion Rel-19 NR\_AIML\_air-Core

R2-2403473 Discussion on Data Collection for UE-side Model Training Futurewei Technologies discussion

R2-2403492 AI/ML Data Collection Requirements T-Mobile USA, Verizon, Charter, NTT DOCOMO, Deutsche Telekom, Turkcell, BT, AT&T, Nokia, Telecom Italia, CMCC discussion Rel-19 NR\_AIML\_air, NR\_AIML\_air-Core

R2-2403567 Discussion on UE side data collection China Unicom discussion NR\_AIML\_air-Core

R2-2403573 UE side data collection LG Electronics discussion Rel-19 NR\_AIML\_air-Core

R2-2403658 Discussion on UE side data collection Indian Institute of Tech (M), IIT Kanpur discussion Rel-19

R2-2403661 UE-side Data Collection Ericsson discussion NR\_AIML\_air-Core

## 8.2 Ambient IoT

(FS\_Ambient\_IoT\_solutions,leading WG: RAN1; REL-19; SID: [RP-240826](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240826.zip))

Time budget: 2 TU

Tdoc Limitation: 5 tdocs

NOTE: contributions should focus on technical aspects of topology 1 only in RAN2#125bis (or common aspects of topology1/topology2) to progress on some basic required functionality.

### 8.2.1 Organizational

LS, Rapporteur input, including workplan, etc

R2-2403027 Work plan for Ambient IoT CMCC, Huawei, T-Mobile Work Plan Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403113 TP for TR 38.769 update (RAN2 sub-clause skeleton) Huawei, CMCC, T-Mobile USA discussion Rel-19 FS\_Ambient\_IoT\_solutions

### 8.2.2 Stage 2 General aspects

Stage 2 overall procedure/message flow and baseline assumptions on security, and use cases

R2-2402156 Discussion on general aspects for Ambient IoT China Telecom discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402178 Stage 2 overall procedures, baseline assumptions on security and use cases CATT discussion Rel-19 FS\_Ambient\_IoT\_RAN Revised

R2-2402191 General considerations on Ambient IoT OPPO discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402271 Discussions on General Aspect of Ambient IoT Fujitsu discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402323 Considerations on the general aspects of the Ambient IOT Beijing Xiaomi Software Tech discussion Rel-19

R2-2402349 Discussion on general aspects of A-IoT Spreadtrum Communications discussion Rel-19

R2-2402374 Consideration on general aspects for AIoT ZTE Corporation, Sanechips discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402392 Use Cases and Stage 2 Procedure Flow for Ambient IOT InterDigital discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402422 General considerations for A-IoT Intel Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402490 General discussion on ambient IoT vivo discussion Rel-18 FS\_Ambient\_IoT\_solutions

R2-2402696 Overall procedure and related aspects on Ambient IoT HONOR discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402786 Principles for RAN2 work on ambient IoT MediaTek Inc. discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402794 Considerations on general aspects for Ambient IoT Lenovo discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402896 A-IoT device hardware capabilities Apple discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402918 General aspects for AIoT Samsung discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402928 Stage-2 and general aspects of Ambient IoT Qualcomm Incorporated discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402949 General aspects for Ambient IoT Ericsson discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402970 Ambient-IoT General Aspects NEC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402997 General aspects of AIoT Nokia discussion FS\_Ambient\_IoT\_solutions

R2-2403011 General considerations on A-IOT CMCC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403055 Considerations on various aspects for Ambient IoT Sony discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403097 General aspects, high-level procedure and security aspects for Ambient IoT Huawei, HiSilicon, China Telecom, China Unicom, LG Electronics Inc., ZTE Corporation, Sanechips, Apple, NEC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403260 Energy-aware design for AIoT daa transmissions Nokia discussion Rel-19

R2-2403421 Initial consideration of Ambient IoT Kyocera discussion Rel-19

R2-2403609 Discussion on general aspects of Ambient IoT Futurewei discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403676 General considerations on Ambient IoT Philips International B.V. discussion FS\_Ambient\_IoT\_solutions

R2-2403677 Discussion on general aspects of ambient IoT LG Electronics Inc. discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403679 Stage 2 overall procedures, baseline assumptions on security and use cases CATT, CEPRI discussion Rel-19 FS\_Ambient\_IoT\_RAN R2-2402178

### 8.2.3 Protocol aspects

#### 8.2.3.1 Control Plane

Contributions on required control plane functions and related signalling (CP functionality) that are not covered by other AIs.

R2-2402179 Discussion on the Control Plane for Ambient IoT CATT discussion Rel-19 FS\_Ambient\_IoT\_RAN Revised

R2-2402197 Discussion on control-plane aspects for Ambient IoT OPPO discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402289 Control Plane for Ambient-IoT NEC Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402322 Considerations on the control plane aspects of the Ambient IOT Beijing Xiaomi Software Tech discussion Rel-19

R2-2402344 Discussion on control plane of Ambient IOT Spreadtrum Communications discussion Rel-19

R2-2402376 Consideration on CP functionality for AIoT ZTE Corporation, Sanechips discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402393 Control Plane Aspects for Ambient IOT InterDigital discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402423 Required Control plane functions for A-IoT Intel Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402491 Discussion on Control Plane Aspects for Ambient IoT vivo discussion Rel-18 FS\_Ambient\_IoT\_solutions

R2-2402793 Considerations on C-plane aspects for Ambient IoT Lenovo discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402891 Discussion on Control plane for Ambient IoT Apple discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402929 Control plane aspects of Ambient IoT Qualcomm Incorporated discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402977 Discussion on ambient IoT control plane functionality LG Electronics Inc. discussion Rel-19

R2-2403026 Discussion on control plane functions and signalling for Ambient IoT CMCC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403098 Other control plane aspects for Ambient IoT Huawei, HiSilicon discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403117 Discussion on CP aspects of Ambient-IoT China Telecom discussion

R2-2403406 Overview of CP protocols for Ambient IoT Ericsson discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403516 Initial views on the control plane aspects of AIoT Samsung Electronics Czech discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403611 Discussion on Control Plane for Ambient IoT NTT DOCOMO INC. discussion Rel-19

R2-2403680 Discussion on the Control Plane for Ambient IoT CATT, CEPRI discussion Rel-19 FS\_Ambient\_IoT\_RAN R2-2402179

#### 8.2.3.2 User Plane

Contributions on data transmission solution and protocol stack (UP functionality) not covered by other AIs.

R2-2402157 Discussion on user plane for Ambient IoT China Telecom discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402165 Discussion on protocol stack for ambient IOT Xiaomi discussion Rel-19

R2-2402180 Discussion on Data Transmission and Protocol Stack of A-IoT CATT discussion Rel-19 FS\_Ambient\_IoT\_RAN Revised

R2-2402192 Discussion on user-plane aspects for Ambient IoT OPPO discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402272 Discussions on User Plane Protocol Stacks Fujitsu discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402290 User Plane for Ambient-IoT NEC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402345 Discussion on user plane of Ambient IOT Spreadtrum Communications discussion Rel-19

R2-2402377 Consideration on UP functionality for AIoT ZTE Corporation, Sanechips discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402394 User Plane Aspects for Ambient IOT InterDigital discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402424 Required User plane functions for A-IoT Intel Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402492 Discussion on User Plane Aspects for Ambient IoT vivo discussion Rel-18 FS\_Ambient\_IoT\_solutions

R2-2402725 Discussion on user plane for Ambient IoT Lenovo discussion Rel-19

R2-2402892 Discussion on User plane for Ambient IoT Apple discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402919 Initial view on the user plane aspects of AIoT Samsung discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402938 User plane aspects of Ambient IoT Qualcomm Incorporated discussion FS\_Ambient\_IoT\_solutions

R2-2402950 UP protocol and data transmission options Ericsson discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403012 Discussion on User Plane of A-IoT CMCC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403099 Data transmission and protocol stack for A-IoT Huawei, HiSilicon discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403259 Considerations of the data transmission in AIoT Nokia discussion Rel-19

R2-2403349 Discussion on user plane protocl stack and data transmission for A-IOT LG Electronics Inc. discussion FS\_Ambient\_IoT\_solutions Withdrawn

R2-2403372 Considerations on protocol architecture for ambient IoT KT Corp. discussion

R2-2403610 Discussion on user plane aspects for Ambient IoT Futurewei discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403616 Discussion on User Plane for Ambient IoT NTT DOCOMO INC. discussion Rel-19

R2-2403618 Discussion on user plane functionalities in A-IOT LG Electronics Inc. discussion FS\_Ambient\_IoT\_solutions

R2-2403681 Discussion on Data Transmission and Protocol Stack of Ambient IoT CATT, CEPRI discussion Rel-19 FS\_Ambient\_IoT\_RAN R2-2402180

### 8.2.4 Paging

Contributions should focus on paging functionality required for Ambient IoT

R2-2402181 Discussion on Paging Functionality of Ambient IoT CATT discussion Rel-19 FS\_Ambient\_IoT\_RAN Revised

R2-2402198 Discussion on paging procedure for Ambient IoT OPPO discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402273 Discussions on paging Fujitsu discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402350 Discussion on paging functionality of A-IoT Spreadtrum Communications discussion Rel-19

R2-2402378 Consideration on Paging functionality for AIoT ZTE Corporation, Sanechips discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402395 Paging for Ambient IOT InterDigital discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402425 Paging design for A-IoT Intel Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402434 Study on Paging for Ambient IoT SHARP Corporation discussion FS\_Ambient\_IoT\_solutions

R2-2402493 Discussion on the functionality of paging in ambient IoT vivo discussion Rel-18 FS\_Ambient\_IoT\_solutions

R2-2402604 Discussion on paging procedure for A-IOT Xiaomi discussion

R2-2402726 Discussion on paging procedure for Ambient IoT Lenovo discussion Rel-19

R2-2402893 Discussion on Paging for Ambient IoT Apple discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402930 Paging aspects of Ambient IoT Qualcomm Incorporated discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402971 Considerations on Ambient-IoT Paging NEC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402978 Discussion on ambient IoT paging functionality LG Electronics Inc. discussion Rel-19

R2-2403025 Discussion on A-IoT paging CMCC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403100 Discussion on paging-like functionality design Huawei, HiSilicon discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403115 Discussion on paging for Ambient IoT China Telecom discussion

R2-2403149 Consideration on paging in AIoT Nokia discussion

R2-2403257 Ambient IoT Paging Method Wiliot Ltd. discussion Rel-19 Late

R2-2403405 Discussion on DL reachability for Ambient IoT Ericsson discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403506 Initial considerations on the paging for AIoT Samsung discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403612 Discussion on paging functions for Ambient IoT Futurewei discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403682 Discussion on Paging Functionality of Ambient IoT CATT, CEPRI discussion Rel-19 FS\_Ambient\_IoT\_RAN R2-2402181

### 8.2.5 Random Access

Contributions should focus on UL initial/random access RAN2 aspects

R2-2402158 Discussion on random access for Ambient IoT China Telecom discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402164 Discussion on access procedure for ambient IOT Xiaomi discussion Rel-19

R2-2402182 Discussion on the Random Access for Ambient IoT CATT discussion Rel-19 FS\_Ambient\_IoT\_RAN Revised

R2-2402200 Discussion on random access for Ambient IoT OPPO discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402274 Discussions on Random Access Fujitsu discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402346 Discussion on random access of Ambient IOT Spreadtrum Communications discussion Rel-19

R2-2402379 Consideration on Random Access procedure for AIoT ZTE Corporation, Sanechips discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402396 Random Access for Ambient IOT InterDigital discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402426 Random access aspects for A-IoT Intel Corporation discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402435 Study on Random access for Ambient IoT SHARP Corporation discussion FS\_Ambient\_IoT\_solutions

R2-2402494 Initial Access Procedure for Ambient IoT vivo discussion Rel-18 FS\_Ambient\_IoT\_solutions

R2-2402548 Discussion on random access for Ambient IoT CMCC discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402608 Discussion on random access for Ambient IoT ETRI discussion

R2-2402674 Initial Access procedure for Ambient IoT device NEC discussion

R2-2402727 Discussion on random access for Ambient IoT Lenovo discussion Rel-19

R2-2402894 Discussion on Random Access for Ambient IoT Apple discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402920 Initial considerations on the RACH procedure for AIoT Samsung discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2402939 Random access aspects of Ambient IoT Qualcomm Incorporated discussion FS\_Ambient\_IoT\_solutions

R2-2402951 Discussion on UL multiple access Ericsson discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403031 Considerations on random access in AIoT Nokia discussion FS\_Ambient\_IoT\_solutions

R2-2403078 Discussion on random access aspects for Ambient-IoT Continental Automotive discussion Rel-19

R2-2403114 Random access-like procedure for Ambient IoT Huawei, HiSilicon discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403348 Discussion on contention-based access LG Electronics Inc. discussion FS\_Ambient\_IoT\_solutions Withdrawn

R2-2403613 Discussion on random access for Ambient IoT Futurewei discussion Rel-19 FS\_Ambient\_IoT\_solutions

R2-2403620 Discussion on random access for Ambient IoT LG Electronics Inc. discussion FS\_Ambient\_IoT\_solutions

R2-2403645 Discussion on random access for ambient IoT Google Inc. discussion FS\_Ambient\_IoT\_solutions

R2-2403683 Discussion on the Random Access for Ambient IoT CATT, CEPRI discussion Rel-19 FS\_Ambient\_IoT\_RAN R2-2402182

## 8.3 AI/ML for Mobility

(FS\_NR\_AIML\_Mob; leading WG: RAN2; REL-19; SID: [RP-240082](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240082.zip))

Time budget: 1.5 TUs

Tdoc Limitation: 4 tdocs

R2-2403592 AI/ML Mobility CEWiT discussion Withdrawn

### 8.3.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402167 Discussion on work plan of AI mobility SI OPPO,MediaTek,Nokia discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402332 Draft 38.744 TR Skeleton of AI mobility NR OPPO draft TR Rel-19 38.744 0.0.0 FS\_NR\_AIML\_Mob

### 8.3.2 RRM measurement prediction

Contributions should focus on RRM measurement specific sub use cases and scenarios to consider during the study and relevant performance metrics/KPIs to evaluate

R2-2402168 Discussion on RRM measurement prediction OPPO discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402250 AI/ML RRM measurement prediction TCL discussion Rel-19

R2-2402275 Discussion on RRM measurement predicton Fujitsu discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402285 Evaluation on Measurement Gap Reduction with AI Prediction MediaTek Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402296 Evaluation on AI/ML in Spatial/Temporal Prediction for RRM Measurement MediaTek Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402303 Consideration on RRM measurement prediction CATT discussion Rel-19 FS\_NR\_AIML\_Mob Revised

R2-2402315 Artificial Intelligence/Machine Learning for mobility in NR BJTU discussion

R2-2402343 Discussion on RRM measurement prediction Spreadtrum Communications discussion Rel-19

R2-2402403 Areas of interest for RRM measurement prediction Intel Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402410 RRM measurement prediction Qualcomm Incorporated discussion Rel-19

R2-2402516 Discussion on AI/ML based RRM measurement prediction in NR China Telecom discussion Rel-19

R2-2402552 Initial consideration on RRM measurement prediction CMCC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402559 Discussion on RRM measurement prediction vivo discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402589 Discussion on RRM measurement prediction Samsung discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402595 Discussion on AI based RRM measurement prediction NEC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402687 Discussion on AI aided RRM measurement prediction HONOR discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402733 Consideration on types of RRM measurement prediction Lenovo discussion Rel-19

R2-2402748 Discussion on RRM measurement prediction ZTE Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403109 Discussion on RRM measurement prediction Huawei, HiSilicon discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403124 RRM measurement prediction Fraunhofer HHI, Fraunhofer IIS discussion

R2-2403254 AI/ML based RRM measurement predictions Ericsson discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403281 On the measurement prediction use-case Nokia discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403418 Potential scenarios for RRM measurement prediction Kyocera discussion Rel-19

R2-2403497 Consideration on AI/ML based RRM measurement prediction Xiaomi discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403554 RRM measurement prediction Interdigital Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403622 Cell-level measurement prediction LG Electronics Inc. discussion FS\_NR\_AIML\_Mob

R2-2403670 Consideration on RRM measurement prediction CATT, Turkcell discussion Rel-19 FS\_NR\_AIML\_Mob R2-2402303

### 8.3.3 Measurement event predictions

Contributions should focus on measurement event prediction use cases/scenarios to focus during the study and relevant performance metrics/KPIs to evaluate

R2-2402169 Discussion on measurement event prediction OPPO discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402253 Discussion on measurement event prediction TCL discussion Rel-19

R2-2402297 Evaluation on AI/ML for Measurement Event Prediction MediaTek Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402304 Consideration on measurement event prediction CATT discussion Rel-19 FS\_NR\_AIML\_Mob Revised

R2-2402317 Measurement event prediction Xiaomi discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402404 Areas of interest for measurement event prediction Intel Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402411 Measurement event predictions Qualcomm Incorporated discussion Rel-19

R2-2402560 Discussion on Measurement event prediction vivo discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402590 Discussion on measurement event prediction Samsung discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402683 Discussion on measurement event predictions III discussion FS\_NR\_AIML\_Mob

R2-2402688 Discussion on AI aided measurement event prediction HONOR discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402749 Discussion on measurement event prediction ZTE Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402898 On measurement event prediction Apple discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403023 Discussion on measurement event prediction CMCC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403056 Data collection for event prediction Sony discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403110 Discussion on measurement event prediction Huawei, HiSilicon discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403214 Target scenarios for measurement event prediction NEC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403255 AI/ML based measurement events prediction Ericsson discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403282 Considerations on the measurement event prediction use-case Nokia discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403419 Potential scenarios for measurement event prediction Kyocera discussion Rel-19

R2-2403555 Measurement event prediction Interdigital Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403623 Measurement event prediction LG Electronics Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403671 Consideration on measurement event prediction CATT, Turkcell discussion Rel-19 FS\_NR\_AIML\_Mob R2-2402304

### 8.3.4 RLF HO failure prediction

Contributions should focus on HO failure/RLF prediction use cases/scenario to evaluate and relevant performance metrics/KPIs

R2-2402166 Discussion on study on AI/ML for Mobility Continental Automotive discussion Rel-19

R2-2402248 AI/ML HO failure prediction TCL discussion Rel-19

R2-2402249 AI/ML RLF prediction TCL discussion Rel-19

R2-2402305 Consideration on HO Failure and RLF Prediction CATT discussion Rel-19 FS\_NR\_AIML\_Mob Revised

R2-2402405 Areas of interest for RLF/HO failure prediction Intel Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402412 RLF/HO failure prediction Qualcomm Incorporated discussion Rel-19

R2-2402432 Discussion on RLF/HO failure prediction Xiaomi discussion

R2-2402561 Discussion on RLF/HO failure prediction vivo discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402689 Discussion on HO failure/RLF prediction HONOR discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402722 Prediction for HO failure and RLF Lenovo discussion Rel-19

R2-2402750 Discussion on RLF and HO failure prediction ZTE Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402895 On RLF and HO failure prediction Apple discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402999 Discussion on RLF/HOF prediction Samsung discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403024 Discussion on HOF and RLF prediction CMCC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403111 Discussion on HOF and RLF prediction Huawei, HiSilicon discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403215 Target scenarios for failure prediction NEC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403244 Discussion on AI/ML based RLF and HOF predictions Ericsson discussion FS\_NR\_AIML\_Mob

R2-2403420 Potential scenarios for RLF/HOF prediction Kyocera discussion Rel-19

R2-2403452 Discussion on HO failure/RLF prediction Nokia discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403556 RLF/HOF prediction Interdigital Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403624 HOF and RLF prediction LG Electronics Inc. discussion FS\_NR\_AIML\_Mob

R2-2403672 Consideration on HO Failure and RLF Prediction CATT, Turkcell discussion Rel-19 FS\_NR\_AIML\_Mob R2-2402305

### 8.3.5 Simulation assumption and evaluation methodology

Common simulation assumptions and evaluation methodology, including common KPIs to all use cases not discussed in previous AI

R2-2402175 Discussion on simulation assumptions of AI mobility OPPO,Nokia,MediaTek,CMCC discussion Rel-19 FS\_NR\_AIML\_Mob

=> Revised in R-2403713

R2-2403713 Discussion on simulation assumptions of AI mobility OPPO, Nokia, MediaTek, CMCC, InterDigital discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402287 Discussion on Evaluation Methodology for AI Mobility MediaTek Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402306 Simulation and evaluation for AIML for mobility in NR CATT discussion Rel-19 FS\_NR\_AIML\_Mob Revised

R2-2402406 Simulation Assumption for AI/ML Mobility Intel Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402413 Simulation assumption and evaluation methodology Qualcomm Incorporated discussion Rel-19

R2-2402433 Discussion on simulation assumption and evaluvation methodology Xiaomi discussion

R2-2402445 Simulation Environments for AI/ML-assisted Mobility Samsung discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402553 Discussion on common Evaluation Methodology and Simulation Assumption CMCC discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402562 Discussion on Simulation assumption and evaluation methodology vivo discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402673 Simulation assumption and evaluation methodology NEC discussion

R2-2402751 Discussion on simulation assumption and evaulation methodology for AI mobility ZTE Corporation discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2402897 On KPIs for evaluation and training datasets Apple discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403112 Discussion on simulation assumptions Huawei, HiSilicon discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403245 Simulation based evaluation of the AIML added mobility Ericsson discussion FS\_NR\_AIML\_Mob

R2-2403487 Discussion on simulation assumptions of AI for mobility Nokia, Nokia Shanghai Bell discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403498 Discussion n the simulation assumption and evaluation methodology of AI/ML for mobility NTT DOCOMO, INC. discussion Rel-19

R2-2403514 Discussions on simulation assumption and evaluation methodology KDDI Corporation discussion Rel-19

R2-2403557 Simulation assumption and evaluation methodology Interdigital Inc. discussion Rel-19 FS\_NR\_AIML\_Mob

R2-2403568 Discussion on simulation assumption of AI for mobility China Unicom discussion FS\_NR\_AIML\_Mob

R2-2403673 Simulation and evaluation for AIML for mobility in NR CATT, Turkcell discussion Rel-19 FS\_NR\_AIML\_Mob R2-2402306

## 8.4 Low-power wake-up signal and receiver for NR (LP-WUS WUR)

(NR\_LPWUS-Core; leading WG: RAN1; REL-19; WID: [RP-240801](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240801.zip))

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.4.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402635 Work plan for Rel-19 WI on LP-WUSWUR vivo (Rapporteur) discussion Rel-19 NR\_LPWUS-Core

### 8.4.2 Procedure and configuration of LP-WUS in RRC\_IDLE INACTIVE

Procedure and configuration of LP-WUS indicating paging monitoring triggered by LP-WUS, including at least configuration, sub-grouping and entry/exit condition for LP-WUS monitoring

R2-2402159 Views on procedure and configuration of LP-WUS in RRC\_IDLE/INACTIVE China Telecom discussion Rel-19 NR\_LPWUS-Core

R2-2402194 Discussion on procedure and configuration of LP-WUS in RRC\_IDLE/INACTIVE OPPO discussion Rel-19 NR\_LPWUS-Core

R2-2402320 Discussion on LP-WUS/WUR for RRC IDLE/INACTIVE state KT Corp. discussion Rel-19 NR\_LPWUS

R2-2402347 Discussion on LP-WUS operation in IDLE/INACTIVE modes Spreadtrum Communications discussion Rel-19

R2-2402446 General considerations on the procedure for RRC\_IDLE\_INACTIVE Xiaomi Communications discussion

R2-2402539 Analysis on Procedure and Configuration of LP-WUS for IDLE/INACTIVE Modes CATT discussion Rel-19 NR\_LPWUS-Core

R2-2402592 Discussion on procedure of LP-WUS in RRC\_IDLE INACITVE NEC discussion Rel-19 NR\_LPWUS-Core

R2-2402597 Discussion on entry exit conditions for LP-WUS monitoring Sharp discussion

R2-2402624 Discussion on LP-WUS WUR in RRC\_IDLE INACTIVE vivo discussion Rel-19 NR\_LPWUS-Core

R2-2402690 Overall procedure of LP-WUS in RRC\_IDLE/INACTIVE HONOR discussion Rel-19 NR\_LPWUS-Core

R2-2402754 Procedure and configuration of LP-WUS for IDLE and INACTIVE modes ZTE Corporation, Sanechips discussion

R2-2402875 Procedure and configuration of LP-WUS in RRC\_IDLE/INACTIVE Apple discussion Rel-19 NR\_LPWUS-Core

=> Revised in R2-2403698

R2-2403698 Procedure and configuration of LP-WUS in RRC\_IDLE and RRC\_INACTIVE Apple discussion Rel-19 NR\_LPWUS-Core

R2-2402933 Procedure and Configuration of LP-WUS in RRC Idle Inactive Mode Samsung discussion Rel-19

R2-2402963 Discussion on procedure and configuration of LP-WUS in RRC\_IDLE/INACTIVE Huawei, HiSilicon discussion

R2-2402972 Procedure and configuration of LP-WUS LG Electronics Inc. discussion Rel-19 NR\_LPWUS-Core

R2-2403028 LP-WUS operation in IDLE INACTIVE modes CMCC discussion Rel-19 NR\_LPWUS-Core

R2-2403037 Low Power Receiver: First points to address Vodafone discussion

R2-2403043 Procedure and Configuration of LP-WUS in RRC IDLE/INACTIVE Lenovo discussion NR\_LPWUS-Core

R2-2403057 RAN2 aspects on LP-WUS/WUR in RRC Idle/Inactive mode Sony discussion Rel-19 NR\_LPWUS-Core

R2-2403135 LP-WUS based paging Qualcomm Incorporated discussion NR\_LPWUS-Core

R2-2403272 LP-WUS in IDLE and INACTIVE Nokia discussion Rel-19 NR\_LPWUS-Core

R2-2403332 Discussion on Procedure and configuration in RRC\_IDLE/INACTIVE NTT DOCOMO INC.. discussion Rel-19 NR\_LPWUS-Core

R2-2403333 Discussion on LP-WUS operation in RRC\_IDLE/INACTIVE modes InterDigital, Inc. discussion Rel-19 NR\_LPWUS-Core

R2-2403550 WUR in Idle and Inactive Ericsson discussion Rel-19 NR\_LPWUS-Core

R2-2403551 WUR and RRM measurements Ericsson discussion Rel-19 NR\_LPWUS-Core

### 8.4.3 RRM measurement relaxation and offloading in RRC\_IDLE INACTIVE

RRM relaxation of UE MR for both serving and neighbor cell measurements, and UE serving cell RRM measurement offloaded from MR to LP-WUR, including the necessary conditions

R2-2402201 Discussion on RRM measurement in RRC IDLE and INACTIVE OPPO discussion Rel-19 NR\_LPWUS-Core

R2-2402348 Discussion on RRM measurement relaxation and offloading in IDLE/INACTIVE mode Spreadtrum Communications discussion Rel-19

R2-2402447 RRM measurement relaxation for RRC\_IDLE\_INACTIVE Xiaomi Communications discussion

R2-2402477 Discussion on RRM measurement relaxation and offloading in RRC\_IDLE/INACTIVE Huawei, HiSilicon discussion Rel-19 NR\_LPWUS-Core

R2-2402540 RRM Relaxation and Offloading in RRC\_IDLE/INACTIVE CATT discussion Rel-19 NR\_LPWUS-Core

R2-2402593 Discussion on RRM measurement for LP-WUS in RRC\_IDLE INACTIVE NEC discussion Rel-19 NR\_LPWUS-Core

R2-2402598 Discussion on serving cell RRM measurement offloading Sharp discussion

R2-2402625 Discussion on RRM measurement relaxation and offloading in RRC\_IDLE/INACTIVE vivo discussion Rel-19 NR\_LPWUS-Core

R2-2402728 RRM measurement relaxation and offloading in RRC\_IDLE/INACTIVE Lenovo discussion Rel-19

R2-2402755 RRM measurement relaxation for IDLEINACTIVE modes ZTE Corporation, Sanechips discussion

R2-2402876 RRM measurement relaxation and offloading in RRC\_IDLE/INACTIVE Apple discussion Rel-19 NR\_LPWUS-Core

=> Revised in R2-2403699

R2-2403699 RRM measurement relaxation and offloading in RRC\_IDLE and RRC\_INACTIVE Apple discussion Rel-19 NR\_LPWUS-Core

R2-2402934 RRM measurement relaxation and offloading in RRC Idle Inactive Mode Samsung discussion Rel-19

R2-2402973 RRM Measurement offloading to LR LG Electronics Inc. discussion Rel-19 NR\_LPWUS-Core

R2-2403029 Discussion on LP-WUR measurement offloading in IDLE INACTIVE modes CMCC discussion Rel-19 NR\_LPWUS-Core

R2-2403058 Discussion on RRMRAN2 aspects foron LP-WUS/WUR Sony discussion Rel-19 NR\_LPWUS-Core

R2-2403116 Discussion on RRM measurement relaxation in RRC\_IDLE/INACTIVE China Telecom discussion

R2-2403136 LP-WUS RRM measurement relaxation and offloading Qualcomm Incorporated discussion NR\_LPWUS-Core

R2-2403273 RRM measurement relaxation in RRC\_IDLE/INACTIVE Nokia discussion Rel-19 NR\_LPWUS-Core

### 8.4.4 Procedures for LP-WUS in RRC\_CONNECTED

Procedures to allow UE MR PDCCH monitoring triggered by LP-WUS including activation and deactivation procedure of LP-WUS monitoring.

No contributions are expected and this AI will not be treated in RAN2#125bis

R2-2403059 Considerations on LP-WUS/WUR in RRC Connected mode Sony discussion Rel-19 NR\_LPWUS-Core

R2-2403334 Discussion on LP-WUS operation in RRC\_CONNECTED mode InterDigital, Inc. discussion Rel-19 NR\_LPWUS-Core

R2-2403696 Discussion on LP-WUS WUR in RRC\_CONNECTED vivo discussion Rel-19 NR\_LPWUS-Core Late

## 8.5 Network Energy Saving Enh

(Netw\_Energy\_NR\_enh-Core; leading WG: RAN1; REL-19; WID: [RP-240170](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240170.zip))

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.5.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402857 Updated Workplan for Rel-19 network energy savings WI Rapporteurs (Ericsson, Apple) Work Plan Rel-19 Netw\_Energy\_NR\_enh-Core

### 8.5.2 On-demand SSB SCell operation

Scenarios/use cases, RAN2 spec impacts and high-level solutions.

R2-2402150 Initial discussion about on-demand SSB SCell operation China Telecom discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402230 Discussion on On-Demand SSB OPPO discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402351 Discussion on on-demand SSB SCell operation Spreadtrum Communications discussion Rel-19

R2-2402370 On-demand SSB SCell Operation Samsung Electronics Co., Ltd discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402397 Areas of interest for on-demand SSB SCell operation Intel Corporation discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402568 Discussion on on-demand SSB SCell operation vivo discussion Rel-19

R2-2402599 Discussion on on-demand SSB procedure Quectel discussion Withdrawn

R2-2402603 Discussion on on-demand SSB Xiaomi discussion

R2-2402637 Consideration on on-demand SSB SCell operation in connected mode ZTE Corporation, Sanechips discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402658 Consideration on on-demand SSB SCell operation CATT discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402737 Discussion on On-demand SSB SCell operation Lenovo discussion Rel-19

R2-2402823 Discussion on on-demand SSB SCell operation for NES Huawei, HiSilicon discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402858 Discussion on RAN2 work of on-demand SSB for SCell Apple discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402912 On-demand SSB SCell Operation InterDigital discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402974 On-demand SSB SCell operation LG Electronics Inc. discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403015 Discussion on on-demand SSB SCell operation CMCC discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403060 On-demand SSB Scell operation discussion Sony discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403195 Discussion on On-demand SSB Qualcomm Incorporated discussion Rel-19

R2-2403216 Discussion on On-demand SSB for SCell NEC discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403359 Consideration on on-demand SSB SCell operation Fujitsu discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403402 Discussion on on-demand SSB for NES Ericsson discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403599 On demand SSB handling Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR\_enh-Core

### 8.5.3 On-demand SIB1

Scenarios/use cases, RAN2 spec impacts and high-level solutions.

R2-2402151 Initial discussion about on-demand SIB1 China Telecom discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402162 Discussion on on-demand SIB1 Xiaomi discussion Rel-19

R2-2402369 On-demand SIB1 Samsung Electronics Co., Ltd discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402398 Areas of interest for on-demand SIB1 operation Intel Corporation discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402569 Discussion on on-demand SIB1 for RRC IDLE and INACTIVE UE vivo discussion Rel-19

R2-2402638 Consideration on on-demand SIB1 in idle and inactive mode ZTE Corporation, Sanechips discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402659 Consideration on on-demand SIB1 CATT discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402661 On-demand SIB1 for Idle/Inactive mode UEs III discussion Netw\_Energy\_NR\_enh-Core

R2-2402691 Discussion on on-demand SIB1 for NES HONOR discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402782 Discussion on on-demand SIB1 operation for NES Huawei, HiSilicon discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402859 Discussion on RAN2 work of on-demand SIB1 Apple discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402911 On-demand SIB1 for NES InterDigital discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402969 Discussion on on-demand SIB1 transmission for network energy savings Fujitsu discussion Rel-19 Netw\_Energy\_NR\_enh

R2-2402975 On-demand transmission of SIB1 LG Electronics Inc. discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403001 On demand SIB1 terminologies and scenarios Lenovo discussion Netw\_Energy\_NR\_enh-Core

R2-2403003 On-demand SIB1 for NES Fraunhofer IIS, Fraunhofer HHI discussion Rel-19

R2-2403016 Discussion on on-demand SIB1 CMCC discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403041 Views on On-demand SIB1 operation for idle/inactive UEs Vodafone discussion

R2-2403061 UL WUS for on-demand SIB1 Sony discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403062 On-demand SIB1 for IDLE/INACTIVE UEs Sony discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403080 Discussion on the on-demand SIB1 transmission Google Inc. discussion

R2-2403132 Consideration on on-demand SIB1 OPPO discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403202 Discussion on On-demand SIB1 Qualcomm Incorporated discussion Rel-19

R2-2403217 Discussion on On-demand SIB1 for Idle/Inactive NEC discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403403 Discussion on on-demand SIB1 for NES Ericsson discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403426 On demand SIB1 for idle/inactive UE KDDI Corporation discussion Rel-19

R2-2403600 On demand SIB1 handling Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR\_enh-Core

### 8.5.4 Adaptation of common signal channel transmissions

Scenarios/use cases, RAN2 spec impacts and high-level solutions.

R2-2402163 Discussion on common signal adaptation Xiaomi discussion Rel-19

R2-2402276 Adaptation of common signal or channel Fujitsu discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402326 Discussion on adaptation of common signal/channel transmissions OPPO discussion

R2-2402352 Discussion on adaptation of common signal/channel transmissions Spreadtrum Communications discussion Rel-19

R2-2402371 Adaptation of common signal/channel transmissions Samsung Electronics Co., Ltd discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402399 Areas of interest for adaptation of common signal/channel transmission Intel Corporation discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402570 Discussion on adaptation on common signal transmissions vivo discussion Rel-19

R2-2402639 Consideration on paging occasion adaptation ZTE Corporation, Sanechips discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402660 Consideration on adaptation of common signal channel transmissions CATT discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402672 RAN2 impact of adaptation of common channel transmissions NEC discussion

R2-2402692 Discussion on adaptation of common signal/channel transmissions HONOR discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402738 Paging and PRACH adaptation for NES operation Lenovo discussion Rel-19

R2-2402824 Discussion on adaptation of common signal/channels transmissions Huawei, HiSilicon discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402860 Discussion on RAN2 work of common signal transmission adaptation Apple discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2402910 Time domain adaptation of common signalling and channels InterDigital discussion Rel-19 Netw\_Energy\_NR-Core

R2-2403002 Adaptation of Common Signals and Channels for NES Fraunhofer IIS, Fraunhofer HHI discussion Rel-19

R2-2403017 Discussion on adaptation of common signal/channel transmissions CMCC discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403204 Discussion on Adaptation of Common Signal and Channel Transmissions Qualcomm Incorporated discussion Rel-19

R2-2403404 Adaptation of common signal/channel transmissions for NES Ericsson discussion Rel-19 Netw\_Energy\_NR\_enh-Core

R2-2403427 Discussion on adaptation of common signal/channel transmissions III discussion

R2-2403521 Discussion on common signal and channel adaptation LG Electronics Inc. discussion Rel-19 Netw\_Energy\_NR\_enh Late

=> Withdrawn

R2-2403601 Common signal aspects of NES WI Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR\_enh-Core

## 8.6 Mobility Enhancement Ph4

(NR\_Mob\_Ph4-Core; leading WG: RAN2; REL-19; WID: [RP-240299](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240299.zip))

Time budget: 1 TU

Tdoc Limitation: 2 tdocs

### 8.6.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402906 Work plan for Rel-19 Further NR Mobility Enhancements (rapp) Apple, China Telecom discussion Rel-19 NR\_Mob\_Ph4-Core

### 8.6.2 Inter-CU LTM

Scenarios/use cases, stage 2 signalling flows, RAN2 spec impacts and high-levl solutions. Also including subsequent LTM mobility procedures with the security key handling aspects.

R2-2402176 Discussion on inter-CU LTM CATT discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402291 Inter-CU LTM discussion MediaTek inc. discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402337 Discussion on Inter-CU LTM Spreadtrum Communications discussion Rel-19

R2-2402361 Discussion on inter-CU LTM KDDI Corporation discussion Rel-19

R2-2402407 Inter-CU LTM supported scenarios Intel Corporation discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402408 Inter-CU LTM security handling Intel Corporation discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402441 Discussion on inter-CU LTM OPPO discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402452 Discussion on supporting Inter-CU LTM cell switch Transsion Holdings discussion Rel-19

R2-2402531 Discussion on Inter-CU LTM China Telecom discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402626 Discussion on inter-CU LTM vivo discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402697 Discussion on inter-CU LTM HONOR discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402724 Discussion on Inter-CU LTM Lenovo discussion Rel-19

R2-2402742 Discussion on inter-CU LTM ZTE Corporation discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402907 Important topics for inter-CU LTM Apple discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402925 Discussion on inter-gNB LTM Qualcomm Incorporated discussion

R2-2402926 Inter-gNB LTM and UE context relocation Qualcomm Incorporated discussion

R2-2402976 On subsequent cell switch for inter-CU LTM Panasonic discussion

R2-2402982 Initial Considerations to Support Inter-CU LTM Samsung discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403018 Initial Considerations on Inter-CU LTM CMCC discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403033 Discussion on inter-CU LTM LG Electronics discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403063 LTM for Inter-CU Sony discussion Rel-19 NR\_Mob\_Ph4

R2-2403207 Discussion on Inter-CU LTM Interdigital, Inc. discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403209 Discussion on inter-CU LTM Langbo discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403218 Discussion on challenges for inter-CU LTM NEC discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403238 LTM Enhancements for Inter-CU mobility CEWiT discussion

R2-2403277 Initial considerations for inter-CU LTM Ericsson discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403283 Considerations on Inter-CU LTM Nokia discussion Rel-19 NR\_Mob\_Ph4

R2-2403290 Inter-CU LTM Huawei, HiSilicon discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403422 Initial consideration on inter-CU LTM Kyocera discussion Rel-19

R2-2403496 Discussion on Inter-CU LTM Xiaomi discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403503 Discussion on Inter-CU mobility procedure ETRI discussion Rel-19

R2-2403511 Discussion on potential issues for supporting inter-CU LTM Sharp discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403520 Discussion on inter-CU LTM Fujitsu discussion Rel-19 NR\_Mob\_Ph4

R2-2403582 Discussion on inter-CU LTM ITL discussion Rel-19

R2-2403621 Discussion on inter-CU LTM DENSO CORPORATION discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403684 Discussion on inter-CU LTM NTT DOCOMO, INC. discussion Rel-19

### 8.6.3 Measurement enhancements for LTM

Event-triggered L1 measurement reporting.

R2-2402177 Consideration on Event triggered L1 measurement reporting CATT discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402277 Measurement enhancements for LTM Fujitsu discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402292 Initial discussion on event-triggered L1 measurement reporting MediaTek inc. discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402338 Discussion on measurement enhancements for LTM Spreadtrum Communications discussion Rel-19

R2-2402442 Event triggered L1 measurement report OPPO discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402453 Discussion on measurement enhancement for LTM Transsion Holdings discussion Rel-19

R2-2402532 Discussion on event-triggered L1 measurement reporting for LTM China Telecom discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402627 Discussion on measurement enhancement for LTM vivo discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402698 Discussion on L1 measurement enhancement HONOR discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402743 Discussion on event-triggered L1 measurement reporting ZTE Corporation discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402847 Discussion on event-triggered L1 measurement reporting Xiaomi discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402877 Measurement enhancements for LTM Apple discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2402983 Support of Event-Triggered L1 Measurement Enhancements for LTM Samsung discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403030 Discussion on LTM measurement related enhancements CMCC discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403181 Discussion on initial aspects for event triggered L1 measurements Ericsson discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403208 Event triggered L1 reporting for LTM Interdigital, Inc. discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403219 Discussion on event-triggered L1 measurement reporting NEC discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403291 Event triggered L1 report for LTM Huawei, HiSilicon discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403305 On Measurement-related Enhancements for Rel-19 LTM Nokia discussion Rel-19 NR\_Mob\_Ph4

R2-2403423 Initial consideration on event-triggered L1 measurement reporting Kyocera discussion Rel-19

R2-2403509 Discussions on Event-triggered L1 measurement reporting KDDI Corporation discussion Rel-19

R2-2403512 Discussion on event triggered L1 measurement report Sharp discussion Rel-19 NR\_Mob\_Ph4-Core

R2-2403581 Discussion on measurement enhancements for LTM ITL discussion Rel-19

R2-2403643 Measurement related enhancements for LTM LG Electronics Inc. discussion Rel-19 NR\_Mob\_Ph4-Core

## 8.7 XR Enhancements Ph3

(NR\_XR\_Ph3-Core; leading WG: RAN2; REL-19; WID: [RP-240791](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240791.zip))

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.7.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402836 XR Workplan Nokia, Qualcomm (Rapporteurs) Work Plan Rel-19 NR\_XR\_Ph3-Core

R2-2402837 SA2 Overview Nokia, Qualcomm (Rapporteurs) discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402838 Multi-Modal Communication Overview Nokia, Qualcomm (Rapporteurs) discussion Rel-19 NR\_XR\_Ph3-Core

### 8.7.2 Multi-modality support

Objective: Study and if justified, specify aspects related to multi-modality (intra-UE) (with coordination with SA2/SA4 as needed by LS request). Aim to facilitate efficient and effective support for XR application with Multiple QoS flows with multi-modal inter-dependencies, meeting multi-modal QoS requirements, e.g. synchronization and/or coordination. Efficiency enhancements are expected to be visible in terms of capacity or power consumption.

Including aspects such as: intended use cases, target requirements, relation with SA2/SA4 work, solution directions.

R2-2402278 Discussions on Multi-modality Awareness Fujitsu discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402353 Discussion on XR Multi-modality Spreadtrum Communications discussion Rel-19

R2-2402400 Justification and areas of interest for Multi-modal Services Intel Corporation discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402443 Multi-Modality Support in RAN Samsung discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402474 Discussion on multi-modal XR Huawei, HiSilicon discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402510 Initial Consideration on Multi-Modality CATT discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402549 Discussion on multi-modality support for XR CMCC, CSPG discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402628 Discussion on Multi-modality vivo discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402676 Discussion on Multi-modality support for XR traffic Xiaomi Communications discussion

R2-2402762 RAN enhancements for Multi-Modality support ZTE Corporation, Sanechips discussion

R2-2402841 Discussion on Multi-modal support for XR LG Electronics Inc. discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402879 Views on Support of Multi-Modality Services in Rel-19 XR Apple discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402953 Support of Multi-Modal XR applications Lenovo discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402979 Discussion on Multi-Modality XR Meta discussion

R2-2403064 XR multi modal flows Sony discussion Rel-19 NR\_XR\_Ph3

R2-2403091 Discussion on Multi-modality support for XR TCL discussion Rel-19

R2-2403118 Discussion on multi-modality enhancement for XR traffic China Telecom discussion

R2-2403133 Discussion on the multi-modality support OPPO discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403223 Discussion on multi-modality Ericsson discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403294 Multi-modality support for XR InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403407 Discussion on multi-modality support NEC Corporation discussion

R2-2403411 Multi-modality work in Rel-19 Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403569 Consideration on RAN enhancements for Multi-Modality China Unicom discussion NR\_XR\_Ph3-Core

R2-2403659 Multi-modality support for XR Google Inc. discussion

R2-2403674 Discussion on multi-modality MediaTek Inc. discussion Rel-19

### 8.7.3 RRM measurement gaps restrictions related enhancements

Objective: Specify enhancements to enable transmission/reception in gaps/restrictions that are caused by RRM measurements (from inter-frequency RRM measurement gaps, or intra-frequency measurements, or other scheduling restrictions etc).

**This agenda item will not be treated during RAN2#125bis and no contributions should be submitted for this AI for this meeting.**

### 8.7.4 Scheduling enhancements

Objective: For the UL, Study and if justified, Specify enhancements using delay/deadline information, for support of UL scheduling to enable high XR capacity while meeting delay requirements/avoiding too late PDUs.

Including aspects such as: identification of current scheme drawbacks/limitations, enhancement directions.

R2-2402314 Discussion on Scheduling enhancements in XR TCL discussion Rel-19

R2-2402325 Discussion on scheduling enhancements for XR OPPO discussion

R2-2402339 Discussion on XR scheduling enhancement Spreadtrum Communications discussion Rel-19

R2-2402389 Discussion on delay-aware scheduling Qualcomm Incorporated discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402401 Areas of interest for UL scheduling enhancements of XR traffic Intel Corporation discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402444 Scheduling Enhancements for Delay-Critical Data Transmission Samsung discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402511 Consideration on XR specific scheduling enhancement CATT discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402550 Discussion on scheduling enhancement for XR CMCC discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402629 Discussion on scheduling enhancement for XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402675 Discussion on scheduling enhancements of XR traffic Xiaomi Communications discussion

R2-2402684 Discussion on delay-based UL scheduling enhancements HONOR discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402763 Scheduling enhancements for XR ZTE Corporation, Sanechips discussion

R2-2402880 Views on Delay-Aware Operations in Rel-19 XR Apple discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402952 Enhanced Uplink Scheduling for XR Lenovo discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402980 Discussion on Scheduling Enhancement for XR Meta discussion

R2-2403045 Considerations on delay-sensitive scheduling for XR NEC Corporation discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403052 Scheduling Enhancements for XR Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403065 UL Scheduling enhancements for XR Sony discussion Rel-19 NR\_XR\_Ph3

R2-2403119 Discussion on scheduling enhancements for XR traffic China Telecom discussion

R2-2403143 Delay-aware scheduling enhancements Huawei, HiSilicon discussion Rel-19

R2-2403225 UL scheduling enhancements Ericsson discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403295 Scheduling enhancements for XR InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403415 Discussion for scheduling enhancements III discussion NR\_XR\_Ph3-Core

R2-2403591 Discussion on UL scheduling enhancements MediaTek Inc. discussion Rel-19

R2-2403626 Discussion on resource allocation for XR Google Inc. discussion NR\_XR\_Ph3-Core

R2-2403669 Discussion on scheduling enhancement for XR LG Electronics Inc. discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403690 UL related Scheduling Enhancements for XR Rakuten Mobile, Inc discussion Rel-19

### 8.7.5 RLC enhancements

Objective: RLC re-transmission related enhancements for operation of RLC Acknowledged Mode (AM) with small packet delay budget.

Including aspects such as: identification of current scheme drawbacks/limitations, enhancement directions.

R2-2402212 Discussion on RLC re-transmission related enhancements OPPO discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402254 RLC re-transmission enhancements for XR ITRI discussion NR\_XR\_Ph3-Core

R2-2402279 Discussions on RLC enhancements Fujitsu discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402318 RLC AM retransmission enhancements Xiaomi discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402354 Discussion on RLC enhancements for XR Spreadtrum Communications discussion Rel-19

R2-2402390 Discussion on RLC enhancements Qualcomm Incorporated discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402402 RLC AM retransmission enhancements Intel Corporation discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402512 Consideration on RLC Retransmission Enhancement for XR CATT discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402515 Discussion on RLC AM enhancements Huawei, HiSilicon discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402573 Discussion on RLC enhancements in XR CMCC discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402630 Discussion on RLC enhancement for XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402685 Discussion on RLC enhancements for XR HONOR discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402699 Considerations on RLC re-transmission related enhancements for XR KDDI Corporation discussion

R2-2402764 RLC enhancements for XR ZTE Corporation, Sanechips discussion

R2-2402817 RLC AM enhancement NEC discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402839 RLC Enhancements for XR Nokia discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402881 Views on RLC-AM Enhancements for Rel-19 XR Apple discussion Rel-19 NR\_XR\_Ph3-Core

R2-2402981 Discussion on RLC Enhancements for XR Meta discussion

R2-2403090 RLC AM retransmission enhancement for XR TCL discussion Rel-19

R2-2403102 Discussion on RLC enhancements on small packet delay budget scenario MediaTek Inc. discussion Rel-19

R2-2403296 RLC enhancements for XR InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403368 Discussion on RLC AM Enhancements Ericsson discussion Rel-19

R2-2403462 Consideration on RLC enhancements for XR LG Electronics Inc. discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403504 Discussion on RLC enhancements for XR Samsung discussion Rel-19 NR\_XR\_Ph3-Core

R2-2403675 Discussion on RLC Retransmission Enhancements for XR Rakuten Mobile, Inc discussion Rel-19

## 8.8 NTN for NR Ph3

(NR\_NTN\_Ph3-Core; leading WG: RAN2; REL-19; WID: [RP-240775](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_103/Docs/RP-240775.zip)

LTE\_TN\_NR\_NTN\_mob, leading WG: RAN2, Rel-19 WID: RP-240846)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.8.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402357 Work plan for Rel-19 NR\_NTN\_Ph3 CATT, Thales Work Plan Rel-19

R2-2403638 NR NTN phase 3 scope Ericsson discussion Rel-19 NR\_NTN\_Ph3-Core

### 8.8.2 Downlink coverage enhancements

Contributions should take into account corresponding progress in RAN1.

R2-2402219 RAN2 Aspects For Downlink Coverage Enhancements vivo discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402547 Downlink coverage enhancement for NR NTN CMCC,CSPG discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402702 Discussion on downlink coverage enhancements for NTN Xiaomi discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402712 Network energy saving for downlink coverage enhancement in NTN Lenovo discussion Rel-19

R2-2402805 Downlink Coverage Enhancement Samsung discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402825 Discussion on downlink coverage enhancements Huawei, HiSilicon, Turkcell discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402883 DL coverage enhancement in NTN Apple discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403034 DL coverage enhancements Nokia, Nokia Shanghai Bell discussion NR\_NTN\_Ph3-Core

R2-2403071 Consideration on downlink coverage enhancements ZTE Corporation, Sanechips discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403276 Discussion on RAN2 Aspects for Downlink Coverage Enhancements in NR NTN evolution THALES discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403319 Downlink coverage enhancement for NTN InterDigital discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403649 Discussion for DL coverage enhancement Sharp discussion Rel-19 NR\_NTN\_Ph3-Core

### 8.8.3 Uplink Capacity Throughput Enhancement

No contributions are expected for this AI at this meeting.

### 8.8.4 Support of Broadcast service

Contributions should address the signaling of the intended service area of a broadcast service.

R2-2402152 Signaling of indicating service area in NR NTN China Telecom discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402199 Discussion on providing MBS service area in NTN network OPPO discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402220 Discussion on MBS Broadcast Provision in NTN vivo discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402280 Discussions on signaling of the intended service area of a broadcast service Fujitsu discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402284 Discussion on the support of broadcast service in NTN ETRI discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402355 Discussion on support of broadcast service via NR NTN CATT, China Broadnet discussion Rel-19

R2-2402544 Discussion on MBS broadcast enhancements for NTN CMCC discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402695 Discussion on the support of Broadcast service HONOR discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402708 Discussion on MBS service in NTN system CAICT discussion

R2-2402713 On support of MBS broadcast in NTN Lenovo discussion Rel-19

R2-2402806 MBS Broadcast Service Area in NTN Samsung discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402807 MBS broadcast service area information Qualcomm Incorporated discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402826 Discussion on MBS over NTN Huawei, HiSilicon, Turkcell discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402833 Discussion on the service area of a broadcast service Xiaomi discussion

R2-2402884 Broadcast service support over NTN Apple discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403072 Consideration on broadcast service enhancements ZTE Corporation, Sanechips discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403093 Discussion on MBS Broadcasting Control over NTN access TCL discussion Rel-19

R2-2403121 Discussion on support of broadcast service in NTN LG Electronics France discussion Rel-19 NR\_NTN\_Ph3

R2-2403275 Discussion on MBS broadcast additional features for NR NTN Evolution THALES discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403306 On MBS Service Area Signalling in Rel-19 NTN Nokia discussion Rel-19 NR\_NTN\_Ph3

R2-2403320 Support for broadcast service in NTN InterDigital discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403587 Discussion on support of broadcast service ITL discussion Rel-19

R2-2403648 Discussion on Intended Service Area for NTN-MBS NTT DOCOMO INC. discussion Rel-19

R2-2403650 Discussion on MBS service support for NR NTN Sharp discussion Rel-19 NR\_NTN\_Ph3-Core

### 8.8.5 Support of regenerative payload

Contributions should focus on the needed updates for Stage 2 description.

R2-2402153 Stage-2 impact of regenerative payload in NR NTN China Telecom discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402196 Discussion on stage-2 update on the support of regenerative payload OPPO discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402356 Discussion on support of regenerative payload in Rel-19 NR NTN CATT, China Broadnet discussion Rel-19

R2-2402714 On support of regenerative payload in NTN Lenovo discussion Rel-19

R2-2402808 Discussion on regenerative payload Qualcomm Incorporated discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402818 Support of regenerative payload NEC discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403092 Discussion on Regenerative NTN Architecture TCL discussion Rel-19

R2-2403409 Discussion on Regenerative NTN Payload Architecture TCL discussion Rel-19

R2-2403606 Regenerative NTN payload support in NR NTN Evolution THALES, CATT, Huawei, ZTE, Inmarsat, Viasat discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2403639 Stage 2 updates for regenerative payload Ericsson discussion Rel-19 NR\_NTN\_Ph3-Core

### 8.8.6 LTE to NR NTN mobility

Support for idle mode mobility between LTE and NR NTN

R2-2402154 Support of LTE TN to NR NTN mobility China Telecom discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402195 Discussion on LTE to NR NTN idle mode mobility OPPO discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402221 Discussion on LTE TN to NR NTN Mobility vivo discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402545 Discussion on idle mode mobility enhancements for E-UTRAN TN to NR-NTN CMCC discussion Rel-19

R2-2402809 Idle mode mobility from LTE to NR NTN Qualcomm Incorporated discussion Rel-19 NR\_NTN\_Ph3-Core

R2-2402827 Discussion on LTE TN to NR NTN mobility Huawei, HiSilicon, Turkcell discussion Rel-19 LTE\_TN\_NR\_NTN\_mob-Core

R2-2402834 Discussion on the cell reselection from LTE to NR NTN Xiaomi discussion

R2-2402885 Mobility from LTE TN to NR NTN Apple discussion Rel-19

R2-2403035 Support of Idle Mode Mobility from EUTRA TN to NR NTN CATT discussion

R2-2403066 Support for LTE to NR-NTN idle mode mobility Telit Communications S.p.A. ; Thales discussion

R2-2403073 Consideration on idle mode mobility between LTE TN and NR NTN ZTE Corporation, Sanechips discussion Rel-19

R2-2403123 Discussion on support of LTE to NR NTN cell reselection LG Electronics France discussion Rel-19 LTE\_TN\_NR\_NTN\_mob

R2-2403205 Discussion on LTE to NR NTN mobility Interdigital, Inc. discussion Rel-19 LTE\_TN\_NR\_NTN\_mob

R2-2403226 Discussion on cell reselection from E-UTRA TN to NR NTN MediaTek Inc. discussion NR\_NTN\_Ph3-Core

R2-2403307 On E-UTRA TN to NR NTN Mobility in IDLE mode Nokia discussion Rel-19 NR\_NTN\_Ph3

R2-2403339 E-UTRAN TN to NR NTN mobility Samsung discussion Rel-19 LTE\_TN\_NR\_NTN\_mob-Core

R2-2403640 E-UTRAN TN to NR-NTN mobility Ericsson discussion Rel-19 NR\_NTN\_Ph3-Core

## 8.9 IoT NTN Ph3

(IoT\_NTN\_Ph3-Core; leading WG: RAN2; REL-19; WID: RP-240776)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.9.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2402941 Work Plan for Rel-19 IoT NTN MediaTek Inc. Work Plan IoT\_NTN\_Ph3-Core

R2-2403641 IoT NTN phase 3 scope Ericsson discussion Rel-19 IoT\_NTN\_Ph3-Core

### 8.9.2 Support of Store & Forward

Contributions should focus on possible impacts to the radio interface.

R2-2402155 The consideration of supporting Store & Forward in IoT NTN China Telecom discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402193 Discussion on Store & Forward satellite operation OPPO discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402222 RAN2 Aspects For Store & Forward vivo discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402380 RAN2 impacts of supporting Store&Forward operation in IoT NTN ZTE Corporation, Sanechips discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402454 Discussion on support of Store&Forward Transsion Holdings discussion Rel-19

R2-2402475 Overview of the Store and Forward satellite operation Huawei, HiSilicon, Turkcell discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402541 Discussion on IoT NTN Store and Forward CMCC discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402693 Discussion on Store and Forward operations in IoT-NTN HONOR discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402710 Discussion on Store & Forward satellite operation IoT NTN CAICT discussion

R2-2402715 On support of Store and Forward operations in NTN Lenovo discussion Rel-19

R2-2402810 S&F satellite operation with full eNB as regenerative payload Qualcomm Incorporated discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402819 Support of Store and Forward NEC discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402821 Considerations on Store & Forward Satellite Operation SHARP Corporation discussion Rel-19

R2-2402835 Initial views on the support of store and forward satellite operation Xiaomi discussion

R2-2402886 Support of S&F operation in IoT NTN Apple discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402942 RAN2 impact on S&F mode MediaTek Inc. discussion IoT\_NTN\_Ph3-Core

R2-2403044 Discussion on support of store and forward operation CATT discussion

R2-2403148 Radio Interface Imapcts for Store-Forward mode operation of IoT-NTN Nokia, Nokia Shanghai Bell discussion

R2-2403274 Discussion on Store and Forward support for IoT NTN Phase 3 THALES discussion Rel-19 NR\_IoT\_NTN\_req\_test\_enh-Core

R2-2403321 Support for Store and Forward operation in NTN InterDigital discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2403337 On RAN2 aspects of Store and Forward Samsung discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2403689 RAN aspects of S&F operation for IoT NTN Sateliot discussion

### 8.9.3 Uplink Capacity Enhancement

At this meeting contributions should only focus on the possible enhancements to reduce the necessary uplink and downlink signaling to complete an EDT transaction (Msg3 transmission without msg1/RAR; efficient delivery of msg4 / RRCEarlyDataComplete).

R2-2402202 Discussion on enhanced EDT for IoT NTN OPPO discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402223 Discussion on EDT Enhancement for IoT-NTN vivo discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402336 Uplink Capacity Enhancement for EDT transaction Spreadtrum Communications discussion Rel-19

R2-2402381 Consideration on enhanced early data transmission in IoT NTN ZTE Corporation, Sanechips discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402476 Overview of capacity enhancement for uplink Huawei, HiSilicon, Turkcell discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402546 Discussion on early data transmission enhancements for IoT-NTN CMCC discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402694 Discussion on EDT optimisation in IoT-NTN HONOR discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402703 Discussion on uplink capacity enhancements for IOT NTN Xiaomi discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402709 Discussion on enhanced EDT of IoT NTN CAICT discussion

R2-2402716 EDT for uplink capacity enhancement in NTN Lenovo discussion Rel-19

R2-2402811 Discussion on EDT enhancements Qualcomm Incorporated discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402887 Uplink capacity enhancement in IoT NTN Apple discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2402943 Discussion on enhanced EDT MediaTek Inc. discussion IoT\_NTN\_Ph3-Core

R2-2403042 On signalling overhead reduction for EDT in IoT NTN CATT discussion

R2-2403126 Consideration on EDT enhancement for IoT-NTN NEC Corporation. discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2403206 Clarifications on the Scope of EDT enhancement for IoT-NTN Interdigital, Inc. discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2403338 Initial discussions on uplink capacity enhancements Samsung discussion Rel-19 IoT\_NTN\_Ph3-Core

R2-2403483 On uplink capacity enhancement for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-19 IoT\_NTN\_Ph3-Core

## 8.10 SON MDT Ph4

(NR\_ENDC\_SON\_MDT\_Ph4-Core; leading WG: RAN3; REL-19; WID: RP-234038)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.10.1 Organizational

LS, Rapporteur input, including workplan, etc.

R2-2403564 Workplan for Rel-19 SON\_MDT Enhancement China Unicom Work Plan NR\_ENDC\_SON\_MDT\_Ph4-Core

### 8.10.2 MRO enhancements for Rel-18 mobility features

LTM, CHO with candidate SCGs, subsequent CPAC

R2-2402281 Discussion on LTM MRO enhancement Fujitsu discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402551 Discussion on MRO enhancements for R18 mobility features CMCC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402564 MRO for Rel-18 mobility features vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402588 Discussion on random access report for LTM ASUSTeK discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402632 MRO for Rel-18 mobility ZTE, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402654 Discussion on MRO Enhancements for Mobility CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402735 Discussion on MRO for LTM Lenovo discussion Rel-19

R2-2402736 Discussion on MRO for CHO with candidate SCGs Lenovo discussion Rel-19

R2-2402965 Discussion on MRO enhancements for Rel-18 mobility features NEC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403137 MRO enhancement for SON and MDT Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403164 MRO enhancement for Rel-18 mobility Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403198 MRO for LTM Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403199 MRO for CHO with candidate SCGs Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403212 Discussion on MRO enhancement for Rel-18 mobility features Langbo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403243 SON support for MRO Ericsson discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403270 SON/MDT reports for LTM Kyocera discussion

R2-2403499 MRO enhancements for Rel-18 mobility features Samsung discussion

R2-2403565 Discussion on MRO enhancement for mobility China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403579 MRO enhancement for LTM SHARP Corporation discussion

### 8.10.3 SON MDT for Slicing

No contributions are expected and this AI will not be treated in RAN2#125bis, in wait for RAN3 progresses

### 8.10.3 SON MDT for NTN

No contributions are expected and this AI will not be treated in RAN2#125bis, in wait for RAN3 progresses

### 8.10.4 Leftovers from Rel-18

RACH optimization for SDT, MHI Enhancement for SCG Deactivation/Activation, MRO for MR-DC SCG failure

R2-2402554 Discussion on SONMDT enhancements for SDT and MHI CMCC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402565 RACH optimization for SDT vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402633 Rel-18 leftovers for SON MDT ZTE, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2402655 Consideration on leftovers from Rel-18 SONMDT CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403138 SON and MDT Rel-18 leftover issues Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403165 Discussion on support of the Rel-18 leftovers Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403455 SON/MDT enhancements for leftover topics from R18 Samsung discussion

R2-2403566 Discussion on RACH optimization for SDT China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

R2-2403580 RA report enhancement for SDT SHARP Corporation discussion

R2-2403664 On Rel.18 leftovers Ericsson discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

# 9 Breakout session reports

No documents shall be submitted to this AI or its sub-AIs. It is only for at-meeting-generated contents.

## 9.1 Session on LTE V2X and NR SL

R2-2403731 Report from session on LTE V2X and NR SL Vice Chairman (Samsung) Report

## 9.2 Session on NR MIMO evolution and Multi-SIM

R2-2403732 Report from session on R18 MIMOevo, R18 MUSIM, and R19 LP-WUS Vice Chairman (CATT) Report

## 9.3 Session on NR NTN and IoT NTN

R2-2403733 Report from Break-Out Session on NR NTN and IoT NTN Session chair (ZTE) Report

## 9.4 Session on positioning and sidelink relay

R2-2403734 Report from session on positioning and sidelink relay Session chair (MediaTek) Report

## 9.5 Session on Mobility Enh, Mobile IAB and LP-WUS

R2-2403735 Report from session on Mobility Enh and Mobile IAB and LP-WUS Session chair (MediaTek) Report

## 9.6 Session on MBS and QoE

R2-2403736 Report from session on R18 MBS, R18 QoE and R19 XR Session chair (Huawei) Report

## 9.7 Session on SON/MDT and NCR

## 9.8 Session on IDC

## 9.9 Session on maintenance and eRedCap

R2-2403737 Report from maintenance, SON/MDT and eRedCap breakout session Session chair (Ericsson) Report

## 9.10 Session on further NR coverage enhancements

R2-2403738 Report from Further NR coverage enhancements session Session chair (ZTE) Report