3GPP TSG-RAN WG2 Meeting #125 [R2-2xxxxxx](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2xxxxxx.zip)

Athens, Greece, Feb. 26th – Mar. 1st, 2024

Source: RAN2 Chair (InterDigital)

Title: Agenda

# 1 Opening of the meeting

## 1.1 Call for IPR

|  |
| --- |
| 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) |

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

|  |
| --- |
| 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

[R2-2400001](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400001.zip) Agenda for RAN2#125 Chair agenda

=> Revised in [R2-2401539](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401539.zip)

[R2-2401539](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401539.zip) Agenda for RAN2#125 Chair agenda

=> The agenda is approved

## 2.2 Approval of the report of the previous meeting

[R2-2400002](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400002.zip) RAN2#124 Meeting Report MCC report

=> the report is approved

## 2.3 Reporting from other meetings

## 2.4 Instructions

Email discussions

* [AT125][001][Organizational] Schedule (Chairs)

Intended outcome:

Deadline: Friday March 1st, 2024

* [AT125][003][UE capability] Reply LS on UE capability (Intel)

Intended outcome: Approve by email (LS in [R2-2401834](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401834.zip))

Deadline: Tuesday Feb. 27

CLOSED

* [AT125][004][Rachless HO] Discuss possible WF and CRs (Nokia)

Intended outcome:

Deadline: Friday 01-03-24

CLOSED

* [AT125][025][NES] Stage 2 CR (Ericsson)

Intended outcome: Approve by Email stage 2 CR capturing 1 agreement from RAN2#125 ([R2-2401950](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401950.zip))

Deadline: Friday 01-03-24

CLOSED

* [AT125][007][NES] NES-RNTI monitoring and RRC Resume (Huawei, InterDigital)

Intended outcome: UP issue (NES-RNTI monitoring), Discuss CP (RRC Resume, including SDT if time allows)

Deadline: Wed 28-02-24

CLOSED

* [AT125][009][MC enh] Agree to MAC CR(NTT Docomo)

Intended outcome: Agree to update to [R2-2401334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401334.zip) by email ([R2-2401854](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401854.zip))

Deadline: Friday 01-03-24

CLOSED

* [AT125][010][MC Enh] LS to RAN4 (Oppo)

Intended outcome: Approve LS on RAN2 agreements related to UL tx switching

Deadline: Friday 01-03-24

CLOSED

* [AT125][011][less5MHz] Reply LS to RAN1 (Qualcomm)

Intended outcome: agree to reply LS by email ([R2-2401855](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401855.zip))

Deadline: Friday 01-03-24

CLOSED

* [AT125][013][BWP wo Res] LS and CR to 38.331 CR(Vivo)

Intended outcome: Review and agree to updated CR ([R2-2401857](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401857.zip)) and LS to RAN1 ccRAN4 ([R2-2401858](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401858.zip)) and updated RIL List ([R2-2401859](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401859.zip))

Deadline: Friday 01-03-24

CLOSED

* [AT125][016][MG enh] Agree to 38.331 (Mediatek)

Intended outcome: agree to 38.331 ([R2-2401861](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401861.zip)) and RIL List ([R2-240186](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401862.zip)2)

Deadline: Friday 01-03-24 Friday 08-03-24

CLOSED

* [AT125][020][SDT] beam failure recovery CR

- Outcome: agree to CR by email ([R2-2401927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401927.zip))

- Deadline: march 1st

CLOSED

* [AT125][023][MSD cap] Agree to CRs (Huawei)

Intended outcome: Agree to CRs by email ([R2-2401944](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401944.zip), [R2-2401945](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401945.zip), [R2-2401946](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401946.zip), [R2-2401947](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401947.zip))

Deadline: Friday 01-03-24

CLOSED

Post email discussions

Short

* [POST125][002][RRC] Parameter lists (Ericsson)

Intended outcome: RAN1 LS capturing parameter lists

Deadline: Short

* [POST125][014][Enh Chann Rast] UE capabilities (Ericsson)

Intended outcome: Agree to 38.306 and 38.331 CRs (pending on RAN4 progress)

Deadline: Friday 01-03-24

* [POST125][015][HST] Agree to CR (Samsung)

Intended outcome: Agree to final CR pending RAN4 LS

Deadline: short

* [POST125][021][TEI18 mIAB] CR to 36.306 (Samsung)

Outcome: Agreeable CR in R2-2401965

Deadline: Short

* [POST125][027][UE capabilities] Mega CR (Intel)

Intended outcome: agree to Mega CR for 38.306 and 38.331

Deadline: short – Tuesday, March 12th

* [POST125][028][RACH-less] CR to 38.331 (Ericsson)

Intended outcome: Agree to CR

Deadline: Short

* [POST125][023][RACH-less] CR to 38.321 (Huawei)

Intended outcome: Agree to CR

Deadline: Short

* [POST125][029][XR] CR to 38.321 ()

Intended outcome: Agree to CR

Deadline: Short

* [POST125][030][XR] CR to 38.331 (Huawei)

Intended outcome: Agree to CR

Deadline: Short

* [POST125][031][XR] CR to 38.323 (LG)

Intended outcome: Agree to CR

Deadline: Short

* [POST125][033][NES] UE capabilities (Vivo)

Intended outcome: Endorse UE capability draft CR 38.306

Deadline: short

* [POST125][036][NES] CR to 38.304 (Apple)

Intended outcome: Agreed to CR

Deadline: Short

* [POST125][037][XR] UE capability (Inte;)

Intended outcome: endorse CRs

Deadline: Short

* [AT125][038][MC Enh] RRC CR (Huawei)

Intended outcome: agree to CR

Deadline: Short

Long

* [POST125] [012] [less5MHz] Backward compatibility issue(Qualcomm)

Intended outcome: Agreable solution/proposal to solve the backwards compatibility issue and also whether SIB11 should be considered

Deadline: March 28, 24

* [POST125][017][XR] PDCP report (Ericsson)

Intended outcome: Start with joint paper proposal to get further inputs from companies that haven’t yet provided their views, suggest and review the TP.

Deadline: Long

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

Intended outcome: Review and agree to a resolution for [Z077][V823][V824][W015]

Deadline: March 28, 2024

* [POST125][022][RedCap emergency calls] Review CRs (Apple)

Deadline: March 28, 2024

* [POST125][026][MT-SDT] Fix “ongoing” procedure (ZTE)

Intended outcome: Review updated changes to “ongoing” procedure and identify any additional issues/clarifications needed. Provide agreable CR as input to next Plenary.

Deadline: Long

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

Intended outcome: UE capability discussion and other RACH-less issues/corrections taking into account the latest merged CR

Deadline: Long

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#103

- A list of open issues is expected to be created per CR per WI and shared by Jan. 19th 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 are covered in CR 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

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, unless otherwise stated in agenda. NOTE: This will depend on outcome of offline ASN.1 review

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

Tdoc request/submission for RAN2#125 deadlines:

* Tdoc Request deadline: Feb. 16th 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.
* (NEW) Tdoc Submission deadline: Feb. 19th 1500 UTC

Additional discussions at RAN2#125

1. Ensuring quality of specifications
   1. It is mandatory for all CRs editors and rapporteurs to follow these drafting rules and review “A Guide to Writing World Class Standards”.
   2. Next meeting, CRs not meeting the drafting rules, with CR cover pages incomplete, and NOT following the 3GPP styles, will NOT be approved until fixed.
   3. In order to improve the quality of RAN2 specifications and CRs, Please review the following two documents to <https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_125/Other>
      1. “A Guide to Writing World Class Standards” is a high level guide to standards writing. Useful reading though it does not discuss the detailed drafting rules that much. Note that this guide is written mainly for ETSI standards, but the principles in it are equally applicable to 3GPP standards.
      2. 21.801 contains 3GPP drafting rules. Its contents should be in everyone’s mind when drafting CRs.

ASN.1 review guidelines (also in 7.0.3)

1. At beginning of each session for RRC RILs, all session chairs will do a bulk approval of all PropAgree and PropReject in the RIL list
2. All **RRC WI CR rapporteurs** are expected to maintain and update the status for each identified RIL (in WI RIL list in excel format) as follows:
   * + 1. **PropAgree** -> **Agreed**
       2. **PropReject** -> **Rejected**
       3. **Duplicate** for duplicates
       4. **ToDo**, in case RIL still open.
3. **RRC WI CR rapporteurs** should update the status post RAN2#125 discussions and share the updated list over email discussion when they share the update WI specific RRC CR.  We will approve the RIL list and CRs at the CR approval deadline
4. **RRC Spec Rapporteur (Hakan) -** Hakan will provide more guidance how this will be done and what is expected from the RRC WI CR rapporteurs
   1. Will ensure that all WI RILs are gathered in one overall RIL List.
   2. Will ensure/coordinate how to handle RILs which are left as “ToDo” after the February meeting.   They will be copied to the ASN.1 review file (i.e. the one based on March RRC version)?

## 2.5 Others

[R2-2400003](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400003.zip) RAN2 Handbook MCC discussion

# 3 Incoming liaisons

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

[R2-2400010](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400010.zip) LS on draft-ietf-tsvwg-ecn-encap-guidelines and draft-ietf-tsvwg-rfc6040updateshim (Liaison\_from\_IETF\_21Dec2023; contact: Huawei) IETF Transport and Services Working Group (TSVWG) LS in To:SA2, SA4, CT1, CT3, CT4, RAN2

=> Noted

[R2-2400017](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400017.zip) LS on Introduction of NR support for dedicated spectrum less than 5MHz for FR1 to TS 38.300 (R1-2312458; contact: Nokia) RAN1 LS in Rel-18 NR\_FR1\_lessthan\_5MHz\_BW To:RAN2

=> Noted

[R2-2400089](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400089.zip) LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE (S5-237941; contact: Samsung) SA5 LS in Rel-18 URLLC\_Mgt To:RAN2 Cc:SA,RAN3

=> move to 7.25

[R2-2400093](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400093.zip) 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

=> Postpone to next meeting

[R2-2401286](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401286.zip) Way forward on the LS reply to SA5 on AIML Ericsson discussion

=> postpone to next meeting

# 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);

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

[R2-2401219](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2401219.zip) Further clarification to PUCCH-ConfigDedicated MediaTek Inc. CR Rel-17 36.331 17.7.0 4996 - F LTE\_CA\_enh\_b5C-Core

[R2-2401273](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401273.zip) Discussion on MFBI Huawei, HiSilicon discussion Rel-17 TEI17

=> Withdrawn

### 4.1.1 Other

[R2-2400651](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400651.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-16 36.331 16.14.0 4986 - F LTE\_feMob-Core

[R2-2400652](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400652.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-17 36.331 17.7.0 4987 - A LTE\_feMob-Core

[R2-2400653](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400653.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-18 36.331 18.0.0 4988 - A LTE\_feMob-Core

## 4.2 NB-IoT and eMTC support for NTN Rel-17

(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))

Tdoc Limitation: 1 tdocs

This Agenda Item is treated in the Breakout session that includes NTN

A single CR per TS with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed with contributions with CR in the appendix of the contribution

[R2-2401224](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401224.zip) 36.331 CR\_Correction on reception of SIB32 ZTE Corporation, Sanechips CR Rel-17 36.331 17.7.0 4998 - F LTE\_NBIOT\_eMTC\_NTN-Core

## 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

## 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.

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 3 tdocs in total for all sub agenda items.

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

#### 5.1.1.1 Other

### 5.1.2 User Plane corrections

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

#### 5.1.2.1 MAC

[R2-2401406](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401406.zip) Clarification of enhanced uplink skipping and CG-UCI Ericsson CR Rel-16 38.321 16.14.0 1776 - F NR\_unlic-Core

- Nokia agrees with Ericsson and would like the change from Rel-16.

- Qualcomm doesn’t think this is needed. We have only two UCIs that can be send on PUSCH so if there are not PUSCH transmission those UCIs will be skipped so legacy text works as it is. Ericsson doesn’t thinks this is captured. Qualcomm indicates that this is in 38.312

- Oppo thinks that the MAC spec needs to capture somewhere and RAN1 indicated that this should be handled in RAN1. Samsung agrees with Qualcomm, if the UE skips the transmission the UCI will not be included. LG agrees that the intention is what Samsung and QC explain, but this is not clear in the MAC, as skipping is handled in MAC but just for CG-UCI. Apple also thinks this isn’t needed. CATT and Vivo agrees with QC and Samsung. Vivo explains that we have already considered CG-UCI case and RAN1 has made this perfectly clear.

- Ericsson thinks that at least we should add a reference to 212. Vivo thinks that 213 is enough as it will refer to 212.

=> The CR is not pursued

Not treated

[R2-2401407](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401407.zip) Clarification of enhanced uplink skipping and CG-UCI Ericsson CR Rel-17 38.321 17.7.0 1777 - A NR\_unlic-Core

[R2-2401408](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401408.zip) Clarification of enhanced uplink skipping and CG-UCI Ericsson CR Rel-18 38.321 18.0.0 1778 - A NR\_unlic-Core, NR\_XR\_enh-Core

#### 5.1.2.2 RLC PDCP SDAP BAP

#### 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.

[R2-2400654](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400654.zip) Discussion on UE behaviours on neighbour cell measurements Huawei, HiSilicon discussion NR\_SON\_MDT-Core

[R2-2401196](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401196.zip) Discussion on UE location in RLF report for NB-IoT Qualcomm Incorporated discussion Rel-16

[R2-2401201](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401201.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-16 36.331 16.14.0 4994 - F NR\_SON\_MDT-Core

[R2-2401215](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401215.zip) Mirror CR - Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-17 36.331 17.7.0 4995 - A NR\_SON\_MDT-Core

[R2-2401222](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401222.zip) Mirror CR - Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-18 36.331 18.0.0 4997 - A NR\_SON\_MDT-Core

[R2-2401375](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401375.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-16 38.331 16.15.1 4455 2 F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC [R2-2312975](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312975.zip)

[R2-2401376](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401376.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-17 38.331 17.7.0 4456 2 F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC [R2-2312976](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312976.zip)

[R2-2401377](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401377.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-18 38.331 18.0.0 4605 - F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC

[R2-2401430](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401430.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-16 38.331 16.15.1 4612 - F NR\_newRAT-Core Late

[R2-2401431](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401431.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-17 38.331 17.7.0 4613 - A NR\_newRAT-Core Late

[R2-2401432](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401432.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-18 38.331 18.0.0 4614 - A NR\_newRAT-Core Late

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

[R2-2400348](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400348.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-16 38.306 16.15.0 1018 - F TEI16

[R2-2400349](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400349.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-17 38.306 17.7.0 1019 - A TEI16

[R2-2400350](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400350.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-18 38.306 18.0.0 1020 - A TEI16

[R2-2400718](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400718.zip) Discussion on UE capability segmentation Huawei, HiSilicon discussion Rel-15 RACS-RAN-Core

[R2-2400727](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400727.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-15 38.331 15.24.0 4543 - F NR\_newRAT-Core

[R2-2400728](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400728.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-16 38.331 16.15.1 4544 - A NR\_newRAT-Core

[R2-2400729](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400729.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4545 - A NR\_newRAT-Core

[R2-2400730](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400730.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4546 - A NR\_newRAT-Core

[R2-2400862](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400862.zip) On the applicability of asyncIntraBandENDC to intra-band NE-DC Nokia, Nokia Shanghai Bell discussion Rel-16 NR\_newRAT-Core, TEI16

[R2-2401021](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401021.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

[R2-2401022](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401022.zip) Clarification on the Parallel Tx Capability(r15) ZTE Corporation, Sanechips CR Rel-15 38.306 15.23.0 1033 - F NR\_newRAT-Core Withdrawn

[R2-2401023](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401023.zip) Clarification on the Parallel Tx Capability(r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.15.0 1034 - A NR\_newRAT-Core Withdrawn

[R2-2401024](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401024.zip) Clarification on the Parallel Tx Capability(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1035 - A NR\_newRAT-Core Withdrawn

[R2-2401025](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401025.zip) Clarification on the Parallel Tx Capability(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1036 - A NR\_newRAT-Core Withdrawn

[R2-2401026](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401026.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.15.0 1037 - F NR\_2step\_RACH

=> Revised in [R2-2401519](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401519.zip)

[R2-2401519](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401519.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16 (r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.15.0 1037 1 F NR\_2step\_RACH

[R2-2401027](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401027.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1038 - A NR\_2step\_RACH

=> Revised in [R2-2401520](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401520.zip)

[R2-2401520](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401520.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16 (r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1038 1 A NR\_2step\_RACH

[R2-2401028](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401028.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1039 - A NR\_2step\_RACH

=> Revised in [R2-2401521](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401521.zip)

[R2-2401521](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401521.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16 (r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1039 1 A NR\_2step\_RACH

[R2-2401289](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401289.zip) Discussion on UE capability asyncIntraBandENDC Apple discussion Rel-15 TEI15, TEI16

[R2-2401290](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401290.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-15 38.306 15.23.0 1048 - F TEI15

[R2-2401291](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401291.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-16 38.306 16.15.0 1049 - F TEI16

[R2-2401292](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401292.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-17 38.306 17.7.0 1050 - A TEI16

[R2-2401293](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401293.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-18 38.306 18.0.0 1051 - A TEI16

[R2-2401346](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401346.zip) Discussion on max data rate calculation Sequans Communications 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.).

[R2-2400368](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400368.zip) Correction for terminating on-going RACH due to pending SR for SL-BSR Lenovo CR Rel-16 38.321 16.14.0 1740 - F 5G\_V2X\_NRSL-Core

[R2-2400519](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400519.zip) Misc RRC corrections for NR V2X Huawei, HiSilicon, OPPO CR Rel-16 38.331 16.15.1 4534 - F 5G\_V2X\_NRSL-Core

[R2-2400520](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400520.zip) Misc RRC corrections for NR V2X Huawei, HiSilicon, OPPO CR Rel-17 38.331 17.7.0 4535 - A 5G\_V2X\_NRSL-Core

[R2-2400521](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400521.zip) Misc RRC corrections for NR V2X Huawei, HiSilicon, OPPO CR Rel-18 38.331 18.0.0 4536 - A 5G\_V2X\_NRSL-Core

[R2-2400707](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400707.zip) Discussion on stop of ongoing RACH due to SR for SL-BSR CATT, Lenovo, LG Electronics, OPPO, Apple, ASUSTek, Xiaomi, Huawei, HiSilicon discussion

[R2-2400708](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400708.zip) CR on termination of on-going RACH due to pending SR for SL-BSR CATT, Lenovo, ASUSTek CR Rel-16 38.321 16.14.0 1746 - F 5G\_V2X\_NRSL-Core

[R2-2400709](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400709.zip) CR on termination of on-going RACH due to pending SR for SL-BSR CATT, Lenovo, ASUSTek CR Rel-17 38.321 17.7.0 1747 - A 5G\_V2X\_NRSL-Core

[R2-2400710](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400710.zip) CR on termination of on-going RACH due to pending SR for SL-BSR CATT, Lenovo, ASUSTek CR Rel-18 38.321 18.0.0 1748 - A 5G\_V2X\_NRSL-Core

[R2-2400794](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400794.zip) Latency bound requirement of NR SL CSI report MediaTek Inc. CR Rel-16 38.331 16.15.1 4556 - F 5G\_V2X\_NRSL-Core

[R2-2400910](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400910.zip) Latency bound requirement of NR SL CSI report MediaTek Inc. CR Rel-17 38.331 17.7.0 4567 - A 5G\_V2X\_NRSL-Core

[R2-2400911](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400911.zip) Latency bound requirement of NR SL CSI report MediaTek Inc. CR Rel-18 38.331 18.0.0 4568 - A 5G\_V2X\_NRSL-Core

[R2-2401011](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401011.zip) Miscellaneous corrections on TS 38.321 LG Electronics France CR Rel-16 38.321 16.14.0 1761 - F 5G\_V2X\_NRSL-Core

## 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.

[R2-2401198](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401198.zip) Corrections to NR-DL-PRS-Info Nokia, Nokia Shanghai Bell CR Rel-16 37.355 16.12.0 0493 - F NR\_pos-Core

[R2-2401323](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401323.zip) RIL E138 SBAS-ID Field Description Ericsson discussion Rel-16

[R2-2401342](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401342.zip) Discussion on contents of ProvideLocationInformation NTT DOCOMO, INC., SK telecom discussion Rel-16

[R2-2401343](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401343.zip) Change on contents of ProvideLocationInformation (Rel-16) NTT DOCOMO, INC., SK telecom draftCR Rel-16 37.355 16.12.0 F NR\_pos-Core

[R2-2401344](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401344.zip) Change on contents of ProvideLocationInformation (Rel-17) NTT DOCOMO, INC., SK telecom draftCR Rel-17 37.355 17.7.0 A NR\_pos-Core

[R2-2401345](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401345.zip) Change on contents of ProvideLocationInformation (Rel-18) NTT DOCOMO, INC., SK telecom draftCR Rel-18 37.355 18.0.0 A 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))

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.

Tdoc limitation: 5 Tdocs

[R2-2400288](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400288.zip) Correction on initialization of RRC parameter in RA procedure Xiaomi CR Rel-17 38.321 17.7.0 1734 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2400289](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400289.zip) Correction on initialization of RRC parameter in RA procedure Xiaomi CR Rel-18 38.321 18.0.0 1735 - A NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-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)

[R2-2400018](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400018.zip) LS on PBCH payload of NCD-SSB (R1-2312520; contact: Eroicsson) RAN1 LS in Rel-18 NR\_redcap-Core To:RAN2

[R2-2400019](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400019.zip) Reply LS on monitoring of paging occasions for CG-SDT with HD-FDD RedCap UEs (R1-2312522; contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core To:RAN2, RAN4

[R2-2400025](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400025.zip) LS on periodicity of TRS resources for idle/inactive UEs (R1-2312620; contact: Ericsson) RAN1 LS in Rel-17 NR\_UE\_pow\_sav\_enh To:RAN2

[R2-2400026](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400026.zip) LS on Rel-17 URLLC/IIoT required RRC parameter description change in 38.331 (R1-2312621; contact: Nokia) RAN1 LS in Rel-17 NR\_IIOT\_URLLC\_enh-Core To:RAN2

[R2-2400030](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400030.zip) LS on skipping UL transmission and R17 TBoMS (R1-2312651; contact: Huawei) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2400041](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400041.zip) Reply LS on the user consent for trace reporting (R3-237964; contact: Ericsson) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:SA3, SA5, SA2 Cc:SA1, RAN, RAN2

[R2-2400048](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400048.zip) LS on the new channel bandwidth class for F[R2-2](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2.zip) (R4-2315865; contact: Huawei) RAN4 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN2

[R2-2400058](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400058.zip) Further reply LS on higher power limit capability for inter-band UL DC (R4-2321905; contact Apple) RAN4 LS in Rel-17 Power\_Limit\_CA\_DC To:RAN2

[R2-2400081](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400081.zip) Reply LS on the user consent for trace reporting (S2-2401578; contact: Ericsson) SA2 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3, SA5 Cc:SA1, SA3, RAN, RAN2

[R2-2400218](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400218.zip) Reply LS on the user consent for trace reporting (S5-241084; contact: Ericsson) SA5 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:SA1, RAN, RAN2, SA2, SA3

[R2-2400471](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400471.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-17 36.300 17.6.0 1393 - F NR\_redcap-Core

[R2-2400472](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400472.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0781 - F NR\_redcap-Core

[R2-2400473](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400473.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-18 36.300 18.0.0 1394 - F NR\_redcap-Core, NR\_redcap\_enh-Core

[R2-2400474](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400474.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0782 - F NR\_redcap-Core, NR\_redcap\_enh-Core

[R2-2400588](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400588.zip) Discussion on TBoMS and UL Skipping Ericsson discussion Rel-17 38.321 NR\_cov\_enh-Core

[R2-2400928](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400928.zip) Discussion on Skipping UL transmission and R17 TBoMS Apple discussion Rel-17 NR\_cov\_enh-Core, NR\_IIOT

[R2-2400929](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400929.zip) Correction on Skipping UL transmission and R17 TBoMS Apple CR Rel-17 38.331 17.7.0 4569 - F NR\_cov\_enh-Core, NR\_IIOT

[R2-2400963](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400963.zip) Description of MBS FSA ID Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0792 - F NR\_MBS-Core

[R2-2401299](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401299.zip) RACH resources while SDT procedure is ongoing Nokia, Samsung, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0805 - F NR\_SmallData\_INACTIVE-Core

[R2-2401300](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401300.zip) RACH resources while SDT procedure is ongoing Nokia, Samsung, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0806 - A NR\_SmallData\_INACTIVE-Core, NR\_MT\_SDT-Core

[R2-2401350](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401350.zip) Corrections on the TRS in Idle and Inactive Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2401351](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401351.zip) Clarification on TRS in idle and inactive Ericsson CR Rel-17 38.331 17.7.0 4602 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2401352](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401352.zip) Correction on TRS in idle and inactive Ericsson CR Rel-18 38.331 18.0.0 4603 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2401353](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401353.zip) 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

#### 6.1.1.1 Other

[R2-2400128](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400128.zip) Discussion and draft reply LS on skipping UL transmission and R17 TBoMS Huawei, HiSilicon (Contact company) discussion NR\_cov\_enh-Core

[R2-2400129](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400129.zip) Clarification on R16 skipping UL transmission and R17 TBoMS Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4514 - F NR\_cov\_enh-Core

=> Withdrawn

[R2-2400130](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400130.zip) Clarification on R16 skipping UL transmission and R17 TBoMS Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4515 - A NR\_cov\_enh-Core

=> WIthdrawn

[R2-2400870](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400870.zip) Discussion on LS reply to skipping UL transmission and R17 TBoMS Sharp discussion NR\_cov\_enh-Core

[R2-2401112](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401112.zip) Correction on service link types for GSO MediaTek Inc., Nokia (Rapporteur), Intel CR Rel-17 38.300 17.7.0 0796 - F NR\_NTN\_solutions-Core

[R2-2401116](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401116.zip) Correction on service link types for GSO MediaTek Inc., Nokia (Rapporteur), Intel CR Rel-18 38.300 18.0.0 0797 - A NR\_NTN\_solutions-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).

[R2-2401296](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401296.zip) Clarification on HARQ RTT Timer operation when drx-LastTransmissionUL is configured Apple, Qualcomm Incorporated CR Rel-17 38.321 17.7.0 1770 - F TEI17

=> Revised in [R2-2401517](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401517.zip)

[R2-2401517](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401517.zip) Clarification on HARQ RTT Timer operation when drx-LastTransmissionUL is configured Apple, Qualcomm Incorporated, Nokia, Nokia Shanghai Bell, MediaTek Inc. ,Huawei, HiSilicon CR Rel-17 38.321 17.7.0 1770 1 F TEI17

- Samsung thinks that there is on ambiguity. This text was copied from the DRX behaviour and this timer is started at the first transmission and HARQ RTT timer is started at the first transmission. This CR is changing the current behaviour. The network would know when the first transmission takes place so there is no ambiguity.

- Mediatek explains that there is no change of behaviour as this is ambiguous.

- Ericsson thinks that it is important that for repetitions it works and it’s not clear what a bundle.

- ZTE and Oppo think that the timer should be started at the actual transmission.

After CB

Way Forwards:

WF#1) The following UE behavior is confirmed when drx-LastTransmissionUL is configured:

- When drx-LastTransmissionUL is configured, drx-HARQ-RTT-TimerUL is started after the last PUSCH transmission occasion of a bundle regardless of whether that last PUSCH transmission occasion is used for a PUSCH transmission for that bundle or not.

WF#2) Corresponding CR is postponed to next meeting to allow companies to further check other occasions for “transmission”.

WF#3) Whether to restart HARQ RTT Timer can be further check and come back next meeting.

**Agreements**

1 When drx-LastTransmissionUL is configured, drx-HARQ-RTT-TimerUL is started after the last PUSCH transmission occasion of a bundle regardless of whether that last PUSCH transmission occasion is used for a PUSCH transmission for that bundle or not.

2 Corresponding CR is postponed to next meeting to allow companies to further check other occasions for “transmission”

3 FFS Whether to restart HARQ RTT Timer can be further check and come back next meeting.

[R2-2401297](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401297.zip) Clarification on HARQ RTT Timer operation when drx-LastTransmissionUL is configured Apple, Qualcomm Incorporated CR Rel-18 38.321 18.0.0 1771 - A TEI17

=> Revised in [R2-2401518](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401518.zip)

[R2-2401518](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401518.zip) Clarification on HARQ RTT Timer operation when drx-LastTransmissionUL is configured Apple, Qualcomm Incorporated, Nokia, Nokia Shanghai Bell, MediaTek Inc. ,Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1771 1 A TEI17

[R2-2400805](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400805.zip) Classification the start time of drx-HARQ-RTT-TimerUL when grant collision MediaTek Inc. CR Rel-17 38.321 17.7.0 1749 - F TEI17

[R2-2400907](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400907.zip) Classification the start time of drx-HARQ-RTT-TimerUL when grant collision MediaTek Inc. CR Rel-18 38.321 18.0.0 1752 - A TEI17

[R2-2401271](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401271.zip) Clarification on drx-HARQ-RTT-TimerUL for TTIB Huawei, HiSilicon CR Rel-17 38.321 17.7.0 1767 - F TEI17

[R2-2401272](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401272.zip) Clarification on drx-HARQ-RTT-TimerUL for TTIB Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1768 - A TEI17

[R2-2400936](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400936.zip) Clarification on HARQ RTT Timer operation when drx-LastTransmissionUL is configured Apple CR Rel-17 38.321 17.7.0 1754 - F TEI17 Withdrawn

[R2-2400097](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400097.zip) Correction in TS 38.300 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-17 38.300 17.7.0 0772 - F TEI17, NR\_newRAT-Core

- ZTE thinks that there is an interoperability issue. Samsung thinks that there is no interoperability as network has to do blind decoding.

=> Fix formatting issues

=> The CR is agreed in [R2-2401838](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401838.zip) with formatting issues fixed

[R2-2401838](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401838.zip) Correction in TS 38.300 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-17 38.300 17.7.0 0772 1 F TEI17, NR\_newRAT-Core

=> The CR is agreed

[R2-2400098](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400098.zip) Correction in TS 38.300 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-18 38.300 18.0.0 0773 - A TEI17, NR\_newRAT-Core

=> Fix formatting issues

=> The CR is agreed in [R2-2401839](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401839.zip) with formatting issues fixed

[R2-2401839](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401839.zip) Correction in TS 38.300 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-18 38.300 18.0.0 0773 1 A TEI17, NR\_newRAT-Core

=> The CR is agreed

[R2-2400099](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400099.zip) Correction in TS 38.321 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-17 38.321 17.7.0 1731 - F TEI17, NR\_newRAT-Core

=> Fix formatting issues

=> Check inter-operability issues

=> The CR is revised in [R2-2401840](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401840.zip)

[R2-2401840](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401840.zip) Correction in TS 38.321 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-17 38.321 17.7.0 1731 1 F TEI17, NR\_newRAT-Core

=> the CR is agreed

[R2-2400100](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400100.zip) Correction in TS 38.321 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-18 38.321 18.0.0 1732 - A TEI17, NR\_newRAT-Core

=> Revised in [R2-2401875](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401875.zip)

[R2-2401875](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401875.zip) Correction in TS 38.321 to support Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] CATT CR Rel-18 38.321 18.0.0 1732 1 A TEI17, NR\_newRAT-Core

=> The CR is agreed

[R2-2400965](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400965.zip) Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] Samsung CR Rel-17 38.321 17.7.0 1758 - F TEI17, NR\_newRAT-Core

=> Merged with [R2-2400099](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400099.zip)

[R2-2400966](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400966.zip) Simultaneous PUSCH and PUCCH transmissions of same priority on different inter-band cells [SimultaneousPUSCH-PUCCH] Samsung CR Rel-18 38.321 18.0.0 1759 - A TEI17, NR\_newRAT-Core

[R2-2401050](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401050.zip) Clarification On Enhanced PHR MAC CE For PUSCH Repetition with mTRP ZTE Corporation,Sanechips CR Rel-17 38.321 17.7.0 1762 - F NR\_FeMIMO-Core Withdrawn

[R2-2401051](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401051.zip) Clarification On Enhanced PHR MAC CE For PUSCH Repetition with mTRP ZTE Corporation,Sanechips CR Rel-18 38.321 18.0.0 1763 - A NR\_FeMIMO-Core Withdrawn

[R2-2401301](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401301.zip) Correction on sdt-LogicalChannelSR-DelayTimer applicability Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.7.0 1773 - F NR\_SmallData\_INACTIVE-Core

- LG sdt-LogicalChannelSR-DelayTimer is need R so if not configure the value is released and the UE doesn’t start the timer so there is no issue.

- ZTE thinks that this is very clear in the field description, the UE doesn’t apply this if not configured so there is no ambiguity in implementation and there is no inter-operability. It is just aligning MAC with RRC.

- Vivo thinks that maybe we can have a Rel-18 CR only with magic sentence.

=> The CR is not pursued

=> FFS if this clarification is needed for Rel-18

[R2-2401302](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401302.zip) Correction on sdt-LogicalChannelSR-DelayTimer applicability Nokia, Nokia Shanghai Bell CR Rel-18 38.321 18.0.0 1774 - A NR\_SmallData\_INACTIVE-Core, NR\_MT\_SDT-Core

=> Not treated

#### 6.1.2.1 Other

[R2-2400454](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400454.zip) Clearification on resource set in MAC and RRC vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core, NR\_cov\_enh-Core, NR\_SmallData\_INACTIVE-Core

Proposal 1: RAN2 confirms the understanding that one set of Random Access resource could include both 2-step and 4-step RA type.

- LG and ZTE think that this is clear in MAC specification

- Huawei thinks that in redcap this wasn’t clear

Proposal 2: RAN2 confirms the understanding that Random Access resource(s) associated with the same feature(s) applicable to a Random Access procedure, except msg1-Repetitions, is considered as one set.

- LG doesn’t think this is correct. ZTE thinks this is clear in MAC spec and nothing is need.

Proposal 3: RAN2 to discuss whether/how to capture this understanding in specification explicitly. An example is provided to capture it in TS 38.300 in Annex A.

=> Noted

**Common understanding**

1 The understanding and intention in RAN2 is that one set of Random Access resource could include both 2-step and 4-step RA type. This is already in specification.

2 In Rel-17, from MAC perspective, RAN2 understands that Random Access resource(s) associated with the same feature(s) applicable to a Random Access procedure is considered as one set. This is already in specification.

[R2-2400542](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400542.zip) Correction to NOTEs Numbering MediaTek Inc. CR Rel-17 38.322 17.3.0 0055 - D NR\_SL\_relay-Core

=> The CR is agreed

[R2-2400614](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400614.zip) Discussion on the looped RACH case for RedCap Huawei, HiSilicon, Mediatek, ZTE Corporation, Sanechips, CMCC, Qualcomm Incorporated, LG Electronics discussion Rel-17 NR\_redcap-Core

*Proposal: RAN2 confirms that UE and/or network implementation can prevent the UE from initiating unnecessary (looped) RACH after BWP switching (for the SR triggered RACH case) (no spec impact foreseen).*

- Samsung still doesn’t think that the UE should do something as proper gNB implementation can avoid this case.

- Mediatek indicates that this is a possibility and there is no specification impact.

- Ericsson thinks that this doesn’t help as some UEs may not implement this and the network doesn’t know what the UE will do. Huawei thinks that network can try to address this by smart network implementation.

**Agreements**

1. RAN2 confirms that network implementation can prevent the UE from initiating unnecessary (looped) RACH after BWP switching (for the SR triggered RACH case)

2 If network cannot prevent it UE implementation can stop unnecessary (looped) RACH after BWP switching (for the SR triggered RACH case). No spec impact foreseen

[R2-2401498](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401498.zip) Correction on CG-SDT initial transmission LG Electronics Inc. CR Rel-17 38.321 17.7.0 1750 1 F NR\_SmallData\_INACTIVE-Core Late

- CATT wonders if this was already captured in the case where there is no ongoing SDT.

=> update the change “if the configured uplink grant is for the initial transmission for the CG-SDT with CCCH message; or”

=> the CR is agreed in [R2-2401841](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401841.zip) with change above

[R2-2401841](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401841.zip) Correction on CG-SDT initial transmission LG Electronics Inc. CR Rel-17 38.321 17.7.0 1750 2 F NR\_SmallData\_INACTIVE-Core

=> Agreed

[R2-2401499](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401499.zip) Correction on CG-SDT initial transmission (R18) LG Electronics Inc. CR Rel-18 38.321 18.0.0 1751 1 A NR\_SmallData\_INACTIVE-Core Late

=> update the change “if the configured uplink grant is for the initial transmission for the CG-SDT with CCCH message; or”

=> the CR is agreed in [R2-2401842](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401842.zip) with change above

[R2-2401842](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401842.zip) Correction on CG-SDT initial transmission (R18) LG Electronics Inc. CR Rel-18 38.321 18.0.0 1751 2 A NR\_SmallData\_INACTIVE-Core

=> Agreed

[R2-2400897](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400897.zip) Correction on CG-SDT initial transmission (R17) LG Electronics Inc. CR Rel-17 38.321 17.7.0 1750 - F NR\_SmallData\_INACTIVE-Core

=> Withdrawn

[R2-2400898](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400898.zip) Correction on CG-SDT initial transmission (R18) LG Electronics Inc. CR Rel-18 38.321 18.0.0 1751 - A NR\_SmallData\_INACTIVE-Core

=> Withdrawn

### 6.1.3 Control Plane corrections

[R2-2401049](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401049.zip) Considerations on periodicity of TRS resources for idle/inactive UEs ZTE Corporation,Sanechips discussion Rel-18 NR\_UE\_pow\_sav\_enh-Core

#### 6.1.3.1 NR RRC

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

[R2-2400011](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400011.zip) LS on NCD-SSB time offset for RedCap UEs in TDD (R1-2310566; contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap-Core To:RAN2 Cc:RAN4

[R2-2400016](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400016.zip) RLS to RAN2 on introduction of simultaneous PUCCH and PUSCH transmission with same priority (R1-2312456; contact: Samsung) RAN1 LS in Rel-17 TEI17, NR\_newRAT-Core To:RAN2

[R2-2400059](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400059.zip) LS on R17 DC location signaling (R4-2321950; contact: vivo) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2

[R2-2400110](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400110.zip) Discussion on DC location RRC signaling CATT, Huawei, HiSilicon discussion NR\_RF\_FR2\_req\_enh2-Core

[R2-2400111](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400111.zip) DRAFT Reply LS on R17 DC location signaling CATT, Huawei, HiSilicon LS out NR\_RF\_FR2\_req\_enh2-Core To:RAN4

[R2-2400142](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400142.zip) Correction to MIB associated with NCD-SSB Qualcomm Incorporated, Ericsson, Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4560 - F NR\_redcap-Core

[R2-2400143](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400143.zip) Correction to MIB associated with NCD-SSB Qualcomm Incorporated, Ericsson, Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4557 - F NR\_redcap-Core

[R2-2400169](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400169.zip) Discussion on R17 DC location signalling vivo discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2400170](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400170.zip) Correction on R17 DC location signalling vivo CR Rel-17 38.331 17.7.0 4517 - F NR\_RF\_FR2\_req\_enh2-Core

[R2-2400171](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400171.zip) Draft Reply LS on R17 DC location signaling vivo LS out Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN4

[R2-2400212](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400212.zip) Correction to PDCCH configuration of RedCap-specific initial BWP MediaTek Inc. CR Rel-17 38.331 17.7.0 4519 - F NR\_redcap-Core

[R2-2400213](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400213.zip) Correction to PDCCH configuration of (e)RedCap-specific initial BWP MediaTek Inc. CR Rel-18 38.331 18.0.0 4520 - A NR\_redcap-Core

[R2-2400455](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400455.zip) Correction on NCD-SSB for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2400554](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400554.zip) Correction on the reporting of TAC in Random access report Fujitsu CR Rel-17 38.331 17.7.0 4537 - F NR\_SON\_MDT-Core

[R2-2400555](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400555.zip) Correction on the reporting of TAC in Random access report Fujitsu CR Rel-18 38.331 18.0.0 4538 - A NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400592](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400592.zip) Discussion on periodicity of TRS resources for idle-inactive UEs Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

=> Withdrawn

[R2-2400758](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400758.zip) Field conditions for MUSIM gap Ericsson CR Rel-17 38.331 17.7.0 4553 - F LTE\_NR\_MUSIM-Core

[R2-2400759](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400759.zip) Field conditions for MUSIM gap Ericsson CR Rel-18 38.331 18.0.0 4554 - A LTE\_NR\_MUSIM-Core

[R2-2400821](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400821.zip) Corrections on uplink power control in unified TCI framework Huawei, HiSillicon CR Rel-17 38.331 17.7.0 4558 - F NR\_FeMIMO-Core

[R2-2400822](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400822.zip) Corrections on uplink power control in unified TCI framework Huawei, HiSillicon CR Rel-18 38.331 18.0.0 4559 - A NR\_FeMIMO-Core

[R2-2400828](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400828.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4561 - F NR\_redcap-Core

[R2-2400829](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400829.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.0.0 4562 - A NR\_redcap-Core

[R2-2400964](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400964.zip) MBS frequencies of interest determination Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4574 - F NR\_MBS-Core

[R2-2400972](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400972.zip) Correction on cg-UCI-Multiplexing Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4575 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2400973](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400973.zip) Correction on cg-UCI-Multiplexing Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.0.0 4576 - A NR\_IIOT\_URLLC\_enh-Core

[R2-2400980](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400980.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG Electronics Inc., Huawei CR Rel-17 38.331 17.7.0 4577 - F NR\_redcap-Core

[R2-2400981](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400981.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG Electronics Inc, Huawei CR Rel-18 38.331 18.0.0 4578 - A NR\_redcap-Core

[R2-2400993](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400993.zip) Correction to 38.331 on last used cell for PEI OPPO CR Rel-17 38.331 17.7.0 4579 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2400994](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400994.zip) Correction to 38.331 on last used cell for PEI OPPO CR Rel-18 38.331 18.0.0 4580 - A NR\_UE\_pow\_sav\_enh-Core

[R2-2401206](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401206.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.306 17.7.0 1045 - F NR\_FeMIMO-Core [R2-2313744](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313744.zip) Withdrawn

[R2-2401207](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401207.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.331 17.7.0 4589 - F NR\_FeMIMO-Core [R2-2313723](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313723.zip) Withdrawn

[R2-2401208](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401208.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-18 38.306 18.0.0 1046 - A NR\_FeMIMO-Core

[R2-2401209](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401209.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-18 38.331 18.0.0 4590 - A NR\_FeMIMO-Core

[R2-2401220](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401220.zip) Clarification of frequencyDomainAllocation in TRS-ResourceSet-r17 MediaTek Inc. CR Rel-17 38.331 17.7.0 4591 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2401227](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401227.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.306 17.7.0 0988 2 F NR\_FeMIMO-Core [R2-2313723](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313723.zip)

[R2-2401228](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401228.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.331 17.7.0 4427 2 F NR\_FeMIMO-Core [R2-2313744](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313744.zip)

[R2-2401348](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401348.zip) Open issues RLM/BFD relaxation Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2401349](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401349.zip) MBS and paging during SDT Ericsson discussion Rel-17 NR\_MBS-Core, TEI17

[R2-2401433](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401433.zip) Clarification on RACH-ConfigCommon used in CFRA ZTE Corporation discussion Rel-17 NR\_redcap-Core Late

[R2-2401434](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401434.zip) Correction on RACH-ConfigCommon for CFRA ZTE Corporation CR Rel-17 38.331 17.7.0 4615 - F NR\_redcap-Core Late

[R2-2401435](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401435.zip) Correction on RACH-ConfigCommon for CFRA ZTE Corporation CR Rel-18 38.331 18.0.0 4616 - A NR\_redcap-Core Late

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

*Including the outcome of [Post123][043][NR17] UE caps Maximum aggregated bandwidth (Qualcomm)*

*Including the outcome of [Post123][044][NR17] independentGapConfig-maxCC (Qualcomm)*

[R2-2400047](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400047.zip) Reply LS on the CA Aggregated BW capability signaling by the UE (R4-2322003; contact: Qualcomm) RAN4 LS in Rel-18 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core To:RAN2

[R2-2400237](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400237.zip) Discussion on Maximum Aggregated Bandwidth Capability OPPO discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400351](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400351.zip) Concluding on maximum aggregated BW UE capability Qualcomm Incorporated discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400352](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400352.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-17 38.331 17.7.0 4523 - C NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400353](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400353.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-18 38.331 18.0.0 4524 - A NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400354](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400354.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-17 38.306 17.7.0 1021 - C NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400355](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400355.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-18 38.306 18.0.0 1022 - A NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400517](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400517.zip) Correction on the UE capability of survival time Huawei, HiSilicon CR Rel-17 38.306 17.7.0 1024 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2400518](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400518.zip) Correction on the UE capability of survival time Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1025 - A NR\_IIOT\_URLLC\_enh-Core

[R2-2400628](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400628.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-17 36.306 17.5.0 1876 - F NR\_ext\_to\_71GHz-Core

[R2-2400629](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400629.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-18 36.306 18.0.0 1877 - A NR\_ext\_to\_71GHz-Core

[R2-2400630](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400630.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-17 36.331 17.7.0 4984 - F NR\_ext\_to\_71GHz-Core

[R2-2400631](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400631.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-18 36.331 18.0.0 4985 - A NR\_ext\_to\_71GHz-Core

[R2-2400704](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400704.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc. CR Rel-17 38.306 17.7.0 1027 - F NR\_redcap-Core

[R2-2400705](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400705.zip) CEF and RLF reporting for (e)RedCap UEs MediaTek Inc. CR Rel-18 38.306 18.0.0 1028 - A NR\_redcap-Core, NR\_redcap\_enh-Core

[R2-2400719](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400719.zip) Clarification on capabilities of mixed codebook types Huawei, HiSilicon CR Rel-17 38.306 17.7.0 1029 - F NR\_FeMIMO-Core

[R2-2400720](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400720.zip) Clarification on capabilities of mixed codebook types Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1030 - A NR\_FeMIMO-Core

[R2-2400863](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400863.zip) Discussion on BCS5 capability signalling Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2401029](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401029.zip) Consideration on the Aggragated Bandwidth for the NR-DC Case ZTE Corporation, Sanechips discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2401030](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401030.zip) Clarification on the Parallel Tx Capability ZTE Corporation, Sanechips discussion Rel-17 TEI17, NR\_newRAT-Core

[R2-2401031](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401031.zip) Correction on Prerequisite Feature for parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1040 - F TEI17 Withdrawn

[R2-2401032](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401032.zip) Correction on Prerequisite Feature for parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1041 - A TEI17 Withdrawn

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

[R2-2400995](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400995.zip) Correction to 38.304 on last used cell for PEI OPPO CR Rel-17 38.304 17.7.0 0383 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2400996](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400996.zip) Correction to 38.304 on last used cell for PEI OPPO CR Rel-18 38.304 18.0.0 0384 - A NR\_UE\_pow\_sav\_enh-Core

## 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

[R2-2400396](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400396.zip) Correction on pre-configuration usage Xiaomi Technology CR Rel-17 38.304 17.7.0 0373 - F NR\_SL\_relay\_enh-Core

[R2-2400557](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400557.zip) SRAP-related corrections to 38.300 Samsung CR Rel-17 38.300 17.7.0 0787 - F NR\_SL\_relay-Core

[R2-2400558](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400558.zip) SRAP-related corrections to 38.300 Samsung CR Rel-18 38.300 18.0.0 0788 - A NR\_SL\_relay-Core

[R2-2400648](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400648.zip) Discussion on AS condition checking for SUI transmission OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2400649](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400649.zip) Miscellaneous corrections for NR sidelink relay enhancements OPPO (Rapporteur) CR Rel-17 38.351 17.6.0 0031 - F NR\_SL\_relay-Core

[R2-2400650](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400650.zip) Miscellaneous corrections for NR sidelink relay enhancements OPPO (Rapporteur) CR Rel-18 38.351 18.0.0 0032 - A NR\_SL\_relay-Core

[R2-2400690](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400690.zip) Correction on the SRBs of L2 U2N Remote UE ZTE, Sanechips CR Rel-17 38.331 17.7.0 4541 - F NR\_SL\_relay-Core

[R2-2400731](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400731.zip) Miscellaneous RRC corrections for Rel-17 SL relay Huawei, HiSilicon, OPPO CR Rel-17 38.331 17.7.0 4547 - F NR\_SL\_relay-Core

[R2-2400732](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400732.zip) Miscellaneous RRC corrections for SL relay Huawei, HiSilicon, OPPO CR Rel-18 38.331 18.0.0 4548 - A NR\_SL\_relay-Core

[R2-2400733](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400733.zip) Clarification on the case SL frequency is not included in SIB12 Huawei, HiSilicon CR Rel-17 38.304 17.7.0 0368 1 F NR\_SL\_relay-Core [R2-2313513](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313513.zip)

[R2-2400734](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400734.zip) Clarification on the case SL frequency is not included in SIB12 Huawei, HiSilicon CR Rel-18 38.304 18.0.0 0378 - A NR\_SL\_relay-Core

[R2-2400764](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400764.zip) Considerations on applicability of SIB12 received via relay connection Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_relay-Core [R2-2312614](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312614.zip)

[R2-2400945](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400945.zip) Correction on logical channel identity Apple CR Rel-17 38.331 17.7.0 4573 - F NR\_SL\_relay-Core

[R2-2401109](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401109.zip) Correction on the SRBs of L2 U2N Remote UE ZTE, Sanechips CR Rel-18 38.331 18.0.0 4584 - A NR\_SL\_relay\_enh-Core

[R2-2401153](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401153.zip) Clarification on preconfiguration usage in U2N relay Qualcomm Incorporated discussion NR\_SL\_relay-Core

[R2-2401484](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401484.zip) Correction on pre-configuration usage Xiaomi CR Rel-18 38.304 18.0.0 0385 - A NR\_SL\_relay\_enh-Core Late

## 6.3 NR Non-Terrestrial Networks (NTN)

(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))

Tdoc Limitation: 1 tdocs

A single CR per TS with miscellaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed with contributions with CR in the appendix of the contribution

[R2-2400610](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400610.zip) Minor correction for NTN in 38.304 ZTE Corporation, Sanechips CR Rel-17 38.304 17.7.0 0377 - F NR\_NTN\_solutions-Core

[R2-2400997](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400997.zip) Correction to 38.331 for NR NTN OPPO CR Rel-17 38.331 17.7.0 4581 - F NR\_NTN\_solutions-Core

[R2-2400998](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400998.zip) Correction to 38.331 for NR NTN OPPO CR Rel-18 38.331 18.0.0 4582 - A NR\_NTN\_solutions-Core

[R2-2401118](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401118.zip) Corrections on usage of LEO, GEO, GSO and NGSO MediaTek Inc., Nokia, Nokia Shanghai Bell, Intel (Rapporteur) CR Rel-17 38.306 17.7.0 1042 - F NR\_NTN\_solutions-Core

[R2-2401120](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401120.zip) Corrections on usage of LEO, GEO, GSO and NGSO MediaTek Inc., Nokia, Nokia Shanghai Bell, Intel (Rapporteur) CR Rel-18 38.306 18.0.0 1043 - A NR\_NTN\_solutions-Core

[R2-2401335](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401335.zip) Clarification on HARQ mode for SRB4 Google Inc. CR Rel-17 38.331 17.7.0 4600 - F NR\_NTN\_solutions-Core, NR\_QoE-Core

[R2-2401336](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401336.zip) Clarification on HARQ mode for SRB4 Google Inc. CR Rel-18 38.331 18.0.0 4601 - A NR\_NTN\_solutions-Core, NR\_QoE-Core

## 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

### 6.4.1 General and stage 2

Including incoming LSs if any; including impact to 36.305 and 38.305. 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.

[R2-2400008](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400008.zip) LS Out Sub One Second Report Period for Deferred Location over SBI (C4-234472; contact: Ericsson) CT1 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2, RAN3

[R2-2401319](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401319.zip) Missing LPP support for sub 1s location information reporting periodicity Ericsson discussion Rel-17

### 6.4.2 Stage 3 (RRC/LPP/MAC/UE capabilities)

[R2-2401154](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401154.zip) Correction to LPP spec in R17 Huawei, HiSilicon CR Rel-17 37.355 17.7.0 0492 - F NR\_pos\_enh-Core

### 6.4.3 Other

## 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.).

[R2-2400149](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400149.zip) Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-17 38.300 17.7.0 0774 - F NR\_SL\_enh-Core

=> Revised in [R2-2401522](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401522.zip)

[R2-2401522](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401522.zip) Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-17 38.300 17.7.0 0774 1 F NR\_SL\_enh-Core

[R2-2400150](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400150.zip) Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-18 38.300 18.0.0 0775 - A NR\_SL\_enh-Core

=> Revised in [R2-2401523](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401523.zip)

[R2-2401523](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401523.zip) Correction on tx profile for SL DRX ZTE Corporation, Sanechips CR Rel-18 38.300 18.0.0 0775 1 A NR\_SL\_enh-Core

[R2-2400397](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400397.zip) Correction on SL DRX Xiaomi Technology CR Rel-17 38.304 17.7.0 0374 - F NR\_SL\_enh-Core

[R2-2400516](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400516.zip) Coexistence between SL DRX and SL IUC Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2400883](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400883.zip) Correction on SL DRX for broadcast and groupcast handling missed in RRC reconfiguration ASUSTeK CR Rel-17 38.331 17.7.0 4566 - F NR\_SL\_enh-Core

[R2-2400971](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400971.zip) Miscellaneous corrections on TS 38.321 LG Electronics France, Apple CR Rel-17 38.321 17.7.0 1760 - F NR\_SL\_enh-Core

[R2-2401485](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401485.zip) Correction on SL DRX Xiaomi CR Rel-18 38.304 18.0.0 0386 - A NR\_SL\_enh-Core Late

# 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.

[R2-2400020](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400020.zip) LS on Rel-18 higher-layers parameter list (R1-2312710; contact: Ericsson) RAN1 LS in Rel-18 Netw\_Energy\_NR-Core To:RAN2, RAN3 Cc:RAN4

=> Noted

[R2-2400021](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400021.zip) LS on updates to the Rel-18 RAN1 UE features list for NR after RAN1#115 (R1-2312707; 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

=> Noted

[R2-2400023](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400023.zip) LS on Rel-18 RAN1 UE features list for NR after RAN1#115 (R1-2308568; contact: Samsung) 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, RAN4

=> Noted

[R2-2400031](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400031.zip) LS on Rel-18 higher-layers parameter list (R1-2312661; contact: Ericsson) RAN1 LS in Rel-18 NR\_MIMO\_evo\_DL\_UL-Core, NR\_pos\_enh2-Core, Netw\_Energy\_NR, NR\_Mob\_enh2, IoT\_NTN\_enh-Core, TEI18 To:RAN2, RAN3 Cc:RAN4

=> Ericsson will prepare a list of RAN1 parameter list and how we captured them for end of meeting.

=> Noted

* [AT125][002][RRC] Parameter lists (Ericsson)

Intended outcome: RAN1 LS capturing parameter lists

Deadline: Friday 08-03-24

[R2-2400056](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400056.zip) LS on RAN4 UE feature list for Rel-18 (R4-2321730; contact: CMCC) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2, NR\_channel\_raster\_enh To:RAN2 Cc:RAN1

=> Noted

[R2-2400057](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400057.zip) LS on RAN4 UE feature list for Rel-18 (version 2) (R4-2321823; contact: CMCC) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2, NR\_channel\_raster\_enh, NR\_RRM\_enh3, NonCol\_intraB\_ENDC\_NR\_CA, NR\_HST\_FR2\_enh, NR\_ATG, NR\_demod\_enh3, NR\_pos\_enh2, 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC, NR\_SL\_enh2 To:RAN2 Cc:RAN1

=> Noted

[R2-2400381](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400381.zip) Draft CR on UE capability 38.306 for Rel-18 R1 feature lists and corrections Intel Corporation draftCR Rel-18 38.306 18.0.0 F NR\_MIMO\_evo\_DL\_UL-Core, NR\_cov\_enh2, NR\_Mob\_enh2-Core, NR\_SL\_enh2-Core, NR\_MC\_enh, NR\_BWP\_wor, NR\_DualTxRx\_MUSIM-Core, TEI18

- Lenovo indicates that there was a change to EUTRA and this is a legacy change.

=> The CR is endorsed and will be used as a baseline for further updates

* [POST125][027][UE capabilities] Mega CR (Intel)

Intended outcome: agree to Mega CR for 38.306 and 38.331

Deadline: short – Tuesday, March 12th

[R2-2400382](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400382.zip) Draft CR on UE capability 38.331 for Rel-18 R1 feature lists and corrections Intel Corporation draftCR Rel-18 38.331 18.0.0 F NR\_MIMO\_evo\_DL\_UL-Core, NR\_cov\_enh2, NR\_Mob\_enh2-Core, NR\_SL\_enh2-Core, NR\_MC\_enh, NR\_BWP\_wor, NR\_DualTxRx\_MUSIM-Core, TEI18

=> The CR is endorsed and will be used as a baseline for further updates

[R2-2400383](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400383.zip) [Draft] Reply LS on UE capability open issues regarding to Rel-18 RAN1 UE features list for NR Intel Corporation LS out Rel-18 NR\_MIMO\_evo\_DL\_UL, NR\_BWP\_wor-Core, TEI18 To:RAN1

- Samsung thinks we need to have some more details 55.6family

=> Offline to consider Samsungs contribution as

[R2-2401834](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401834.zip) Reply LS on UE capability open issues regarding to Rel-18 RAN1 UE features list for NR RAN2 LS out Rel-18 NR\_MIMO\_evo\_DL\_UL, NR\_BWP\_wor-Core, TEI18 To:RAN1

=> Approved

[R2-2400904](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400904.zip) Remaining issues in RAN1 feature list Samsung discussion NR\_MIMO\_evo\_DL\_UL-Core, TEI18

P1 RAN2 agree that “across all CCs” should be referred to the granularity of the concerned UE capability. If needed, RAN2 could send an LS to RAN1 to confirm.

- Huawei thinks we need to change with RAN1

- Ericsson thinks that many of them are already specified so we have to be specific which ones we are asking for.

=> RAN2 assumes that “across all CCs” should be referred to the granularity of the concerned UE capability (this if for the UE capabilities that are not yet clear)

=> Include this question in RAN1 and provide which specific UE capability we are referring to.

P2 RAN2 discuss whether to ask RAN1 to consolidate to the same value range or explicitly describe the value range in TS38.306 for each component defined with CodebookVariantList-r16.

- Huawei thinks that RAN1 already provided us the range so they must have their reason for that specific range and we can ask our RAN1 delegates directly.

=> Not included in the LS

=> Noted

[R2-2401968](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401968.zip) NR ASN.1 Class 0 Issues per WI Ericsson discussion Rel-18

### 7.0.2 CCCH LCID extension

Tdoc limitation: 1

Corrections only

[R2-2401269](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401269.zip) Correction to 38.306 on capability description on CCCH LCID extention Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1047 - F TEI18, NR\_newRAT-Core

- Ericsson points out that the support is implicit with support of certain feature.

=> Lenovo indicates the cover sheet needs to only check the UE and summary of change should be clear that we are adding a condition

=> The CR is updated with the change above in [R2-2401835](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401835.zip) and is endorsed unseen. It will be merged in mega CR

[R2-2401835](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401835.zip) Correction to 38.306 on capability description of CCCH LCID extension Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1047 1 F TEI18, NR\_newRAT-Core

=> Endorsed

### 7.0.3 ASN1 Review

Contributions on common ASN.1 identified issues and other general issues

**Instructions**

1. All **RRC WI CR rapporteurs** are expected to maintain and update the status for each identified RIL (in WI RIL list in excel format) as follows:
   * + 1. **PropAgree** -> **Agreed**
       2. **PropReject** -> **Rejected**
       3. **Duplicate** for duplicates
       4. **ToDo**, in case RIL still open.
2. **RRC WI CR rapporteurs** should update the status post RAN2#125 discussions and share the updated list over email discussion when they share the update WI specific RRC CR.  We will approve the RIL list and CRs at the CR approval deadline
3. **RRC Spec Rapporteur (Hakan) -** Hakan will provide more guidance how this will be done and what is expected from the RRC WI CR rapporteurs
   1. Will ensure that all WI RILs are gathered in one overall RIL List.
   2. Will ensure/coordinate how to handle RILs which are left as “ToDo” after the February meeting.   They will be copied to the ASN.1 review file (i.e. the one based on March RRC version)?

**Second Phase of ASN.1 review**

* RAN2 will do a second phase of ASN.1 review for the April meeting.  The ASN.1 review will be triggered as soon as the specs are available.   [IMPORTANT: comply to the formatting rules]
* Additional issues identified after April meeting will be treated by contributions.   May meeting will be used to finalize resolution to all RILs and to approve final CRs (i.e. no RIL process for May meeting)

**ASN.1: Rapporteur input and common guidance**

[R2-2401530](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401530.zip) NR ASN.1 Review file Ericsson discussion Rel-18

- Rapporteur indicates that this time the process went quite smooth and we had similar amount of RILs as last release.

=> Noted

[R2-2401531](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401531.zip) NR RIL List Ericsson discussion Rel-18

=> Noted

[R2-2401532](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401532.zip) NR ASN.1 Class 0 Issues Ericsson discussion Rel-18

=> All CR rapporteurs should update their CRs to take into account all the WI specific class 0 issues.

=> RRC rapporteur will capture which WI should capture the issue

=> Rapporteur has captured and will distribute which WI spec rapporteur is responsible for these class 0 issues.

- ZTE thinks that it may be easier for rapporteur to capture it in one CR.

[R2-2400844](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400844.zip) RIL List for MULTI/Gen issues Ericsson discussion Rel-18 TEI18

=> The list will be updated to only include the RILs discussed in common session in [R2-2401836](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401836.zip)

=> Update the common RIL list with status. Add H500 in the list

- CMCC indicates that H500 should be added.

=> Noted

* [POST125][035][ASN.1 common] CR to 38.331 (Ericsson)

Intended outcome: Agree to CR capturing all resolutions of common RILs (R2-2401974) and update of common ASN.1 RIL lists (R2-2401975) and ASN.1 merged list (R2-2401976)

Deadline: Friday 01-03-24 Friday 08-03-24

[R2-2401836](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401836.zip) RIL List for MULTI/Gen issues Ericsson discussion Rel-18 TEI18

[R2-2400843](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400843.zip) Miscellaneous corrections from ASN.1 review Ericsson CR Rel-18 38.331 18.0.0 4564 - F TEI18

- Lenovo asks what was the intention of this CR. Ericsson explains it is non-WI related items and other Wis.

=> The CR will be further updated after this meetings agreements

*[H608]: Need code modification – [Proposed Status: PropAgree] – [Impacted features: Pos/Gen]*

[R2-2400623](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400623.zip) Discussion on common ASN.1 issues (B011, I110, H608, B016, C616) Lenovo discussion Rel-18 NR\_pos\_enh2, NR\_SL\_enh2, NR\_MC\_enh

Proposal 1: Fix the issues on incorrect use of IE types and need codes in lists by the respective WI-specific CRs (POS, SL).

- Ericsson thinks that SRS-PosRRC-InactiveValidityAreaConfig-r18 would require more discussions in the positioning

- ZTE has a different understanding and the UE doesn’t know if a specific entry is the same as the previous one.

=> Ensure we follow the principle - when you a list that is not a addmodlist than all fields shouldn’t use need M or setuprelease (e.g. follow what is captured the guidance that is already in the specification). This should be followed by all WI rapporteurs.

=> Fix the issues on incorrect use of IE types and need codes in lists by the respective WI-specific CRs (POS, SL) and how to capture will be left to WI rapportuers for SL and Positioning

=> Noted

[R2-2400331](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400331.zip) [H608] Discussion on needM within a list without addModList Huawei, HiSilicon discussion Rel-18

Proposal1: Change the need code defined as need M to need R for optional R18 fields within entries of a list (without ToAddModList or ToReleaseList). Adopt the TP in Annex A.

Proposal2: RAN2 to discuss whether to correct the issue above in the legacy NR releases, confirming on the understanding that this is backward compatible.

=> RAN2 will not correct the issue above in the legacy NR releases

=> Noted

*Common guidance*

[R2-2400823](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400823.zip) Recommendations for ASN.1 review Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

*Proposal 2: Whenever "X is absent when Y is configured" is specified for fields introduced in a new release of TS 38.331, change is to e.g. "The network does not configure both X and Y (i.e. NOT send configuration at the same time)”.*

- CATT thinks we should limit this just to just the case where X is need M field. We don’t have this problem for other types of fields. Huawei thinks that this can happen even in other cases.

*Proposal 3: Discuss how to capture that Need S fields are released when absent (as general rule or only for specific fields, using text or Need R instead.*

=> Recommendation that each field that it should be possible to release without releasing all other fields of the same SEQUENCE should be "Need R" or use "SetupRelease".

=> When the intention is to capture that two features (X and Y) are not configured simultaneously, it should be written as e.g. "The network does not configure both X and Y”

=> Noted

**ASN.1: General/multi-feature RIL discussion**

*[H502]: Which new SIBs can be requested on Demand – [Proposed Status: ToDo] – [Impacted features: Multi]*

[R2-2401187](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401187.zip) [H502] Discussion on odSIB request in RRC\_CONNECTED for R18 SIBs Huawei, HiSilicon discussion Rel-18

*Proposal1: Regarding SIBs introduced in R18 for on-demand SIB request in RRC\_CONNECTED: Adopt the TP in Annex A*

* SIB22 (for ATG) should not be supported*

* SIB23 (for SL positioning) should be supported*

*** SIB24 (for multicast in RRC\_INACTIVE) should not be supported***

* SIB25 (for NTN) should not be supported.*

- Oppo thinks that SIB23 is linked to the next RIL. Huawei thinks that this was already agreed.

- Nokia thinks that there is no specific reason to not allow this for multicast

***Agreement:***

Regarding SIBs introduced in R18 for on-demand SIB request in RRC\_CONNECTED: Adopt the TP in Annex A

 SIB22 (for ATG) should not be supported

 SIB23 (for SL positioning) should be supported

* FFS SIB24 (for multicast in RRC\_INACTIVE) should not be supported*

 SIB25 (for NTN) should not be supported.

*[O310/O311]: Overlapping IE definitions – [Proposed Status: ToDo] – [Impacted features: Pos/SL/SLrelay/MULTI]*

[R2-2400239](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400239.zip) Discussion on [O310, O311] OPPO discussion Rel-18 NR\_SL\_enh2, NR\_pos\_enh2, NR\_SL\_relay\_enh-Core

*Proposal 1 R2 discuss the two solutions, 1****) rely on SIB12 only and not define SIB23****, 2) define a SIB23, but clarify the separation between SIB12 and SIB23 to avoid parameter overlapping.*

*-* Oppo has a slight preference for 1). Huawei thinks we should avoid overlapping when we have two SIBs and has papers on how to split.

*-* CATT thinks that first we should discuss if we have a UE that supports both SL communication and NR SL positioning. Qualcomm thinks that we need both. For SL positioning we need both so we always need SIB12.

*=>* We will support both and we will discuss the details on what each SIB contains in positioning breakout session

Proposal 2 R2 discuss the two solutions, 1) rely on SL-PreconfigurationNR only and not define SL-PosPreconfigurationNR, 2) define a SL-PosPreconfigurationNR, but clarify the separation between SL-PreconfigurationNR and SIB23 to avoid parameter overlapping.

- Huawei thinks the first option is fine.

=> rely on SL-PreconfigurationNR only and not define SL-PosPreconfigurationNR, 2

=> Noted

*[B016]: Use of the term “legacy” – [Proposed Status: ToDo] – [Impacted features: MULTI]*

[R2-2400623](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400623.zip) Discussion on common ASN.1 issues (B011, I110, H608, B016, C616) Lenovo discussion Rel-18 NR\_pos\_enh2, NR\_SL\_enh2, NR\_MC\_enh

Proposal 2: Replace the ambiguous term “legacy” by a more meaningful description. This should be done by the respective WI-specific CRs (ULTxSwitch, UECap, POS, SL). Furthermore, send an LS to RAN1 requesting them not to use the term “legacy” in their NR UE features and higher layers parameter lists in the future.

=> Noted

**Agreements:**

* + 1. Replace the ambiguous term “legacy” by a more meaningful description. This should be done by the respective WI-specific CRs (ULTxSwitch, UECap, POS, SL). Furthermore, send an LS to RAN1 requesting them not to use the term “legacy” in their NR UE features and higher layers parameter lists in the future.

[R2-2400624](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400624.zip) [DRAFT] LS reply on Rel-18 RAN1 NR UE features and higher layers parameter list Lenovo LS out 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:RAN1 Cc:RAN4

- Qualcomm thinks that we should only ask if RAN2 is confused about what legacy feature we are referring to.

- Lenovo was thinking that RAN1 shouldn’t use this term in general.

=> Include a kind recommendation (in RAN1 UE capability LS) for any future in RAN1 UE feature or parameters, to specify which existing feature they refer to, rather than use the term “legacy”.

=> Noted

*[H031/H069]: Uninformative field descriptions – [Proposed Status: ToDo] – [Impacted features: Gen]*

[R2-2400824](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400824.zip) [H031][H069] Uninformative and redundant field descriptions Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

*Proposal 1: Fields for which the UE behaviour is specified in procedure text should not have a field description in ASN.1, unless to provide additional information not provided in procedure text (e.g. encoding, configuration restrictions).*

- Mediatek indicates that the intention since LTE was to only have a field description only if really necessary and we have strayed away from that so we should spend some efforts to clean that.

- LG thinks that this makes sense but it should be more for IEs that have a description in RAN2 and not RAN1. Huawei and CATT thinks we can just add a reference to RAN1 but we don’t need to repeat whats in the RAN1 specs.

*Proposal 2: Field descriptions should not repeat was is clear from the field names or the ASN.1.*

*Proposal 3: Not having a "field description" for a field is preferred if no information is missing this way.*

- These two proposals are already captured by agreement 1

=> Noted

**Agreements:**

1. Fields for which the UE behaviour is specified in procedure text should not have a field description in ASN.1, unless to provide additional information not provided in procedure text (e.g. encoding, configuration restrictions). For IEs that are specified in RAN1 specs we can add a reference but shouldn’t re-describe everything that is in RAN1 specs.

2. WI rapporteurs are expected to go back and clean up the field descriptions for Rel-18 and all reviewers should identify when we have redundant field descriptions

*[E074]: Extending ID space if the transaction identifier – [Proposed Status: ToDo] – [Impacted features: GEN]*

[R2-2401368](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401368.zip) Discussion on extending transaction ID space [E074] Ericsson discussion Rel-18 38.331 NR\_Mob\_enh2-Core

*Proposal 1: RAN2 to discuss what solution would be good to adopt in order to avoid the re-use of the same RRC transaction ID for RRCReconfiguration messages which are pre-configured at the UE.*

- Ericsson indicates that the issue is for the case of fast recovery. CATT doesn’t think this is an issue.

=> Posptoned

=> Noted

*[E105]: Clarification on multi-path with MCG – [Proposed Status: ToDo] – [Impacted features: GEN]*

[R2-2401034](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401034.zip) Clarification on multi-path with MCG [E105] LG Electronics France discussion Rel-18 NR\_SL\_relay\_enh-Core

*- Interpretation 1: Only direct path is part of MCG in 3GPP specifications.*

*- Interpretation 2: Indirect path as well as direct path are part of MCG in 3GPP specifications.*

*Proposal: that RAN2 agree one of the following alternatives:*

*- Alternative 1: Only direct path is part of MCG in 3GPP specifications with the corresponding change to 38.300 by CR rapporteur.*

*- Alternative 2: Indirect path as well as direct path are part of MCG in 3GPP specifications with the corresponding changes to 38.331 without ASN.1 impact by CR rapporteur, noting draft CR to 38.331 is shown in [1]*

- LG thinks alternative 2 is the right way to go.

- Qualcomm thinks that this should be discussed in SL session. SL relay rapporteur thought it was best to discuss here as it has a lot of spec changes impacting MCG configuration.

- Huawei thikns that the spec change is simpler with alternative 1.

- Oppo agrees with LG and we should keep current agreement modelling.

- Ericsson thinks that interpretation 1 is the right interpretation. CMCC prefer alternative interpretation 1. Vivo thinks that alternative 1 is simple. Nokia thinks that there is no real reason to have indirect path in SCG.

- LG is concerned that the specification only support a direct and indirect path to be in the same gNB.

=> Noted

**Agreements:**

=> Alternative 1: Only direct path is part of MCG in 3GPP specifications with the corresponding change to 38.300 by CR rapporteur.

=> Can include in the stage 2 description that direct and indirect path should be in the same gNB. Whether any stage 3 clarification are needed can be discussed in SL relay breakout session.

[R2-2401035](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401035.zip) Clarification on multi-path with MCG [E105] LG Electronics France draftCR Rel-18 38.331 18.0.0 F NR\_SL\_relay\_enh-Core

=> Not treated

*[H506]: Guideline for late non-critical extension – [Proposed Status: PropReject] – [Impacted features: Gen]*

[R2-2400332](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400332.zip) [H506] Guideline for the usage of non-critical extension Huawei, HiSilicon discussion Rel-18

=> Revised in [R2-2401497](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401497.zip)

[R2-2401497](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401497.zip) [H506] Guideline for the usage of late non-critical extension Huawei, HiSilicon discussion Rel-18 Late

Proposal: Add guideline for late non-critical extension in RRC. Agree to the CR in the Annex A.

=> Noted

[R2-2401327](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401327.zip) Discussion on use of non-critical extensions (B001 LTE, H506 NR) Lenovo discussion Rel-18 NR\_UAV-Core, LTE\_UAV\_enh-Core

Proposal 1: Confirm that late NCE is only used in exceptional cases for introducing late features/functionalities in earlier releases when regular NCE cannot be used.

- Qualcomm explains that this was done to keep in line with previous field. Samsung thinks that this makes sense as it is inline with the existing guidance in RRC.

=> noted

**Agreements**

=> Confirm that late NCE is only used in exceptional cases for introducing late features/functionalities in earlier releases when regular NCE cannot be used

=> Set the status of B001 to “PropAgree”.

**ASN.1: Other RILs**

*[B009]: Modification to IE PDCP-ParametersSidelink-r18 – [Proposed Status (UECap): ToDo]*

[R2-2400240](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400240.zip) Discussion on [B009] OPPO, Lenovo discussion Rel-18 NR\_SL\_enh2

Proposal 1 For B009, R2 discuss to down-select between the two alternatives, i.e., to either select Alt1) import PDCP-ParametersSidelink-r18 from the main Uu-RRC module, or Alt2) add pdcp-DuplicationSRB-sidelink-r18 and pdcp-DuplicationDRB-sidelink-r18 in the PC5-RRC module as NCE of PDCP-ParametersSidelink-r16 using the available extension marker.

=> add pdcp-DuplicationSRB-sidelink-r18 and pdcp-DuplicationDRB-sidelink-r18 in the PC5-RRC module as NCE of PDCP-ParametersSidelink-r16 using the available extension marker.

=> Noted

*[H071]: simultaneous group + unicast paging – [Proposed Status (MT-SDT): ToDo]*

[R2-2401270](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401270.zip) [H071] Discussion on paging collision between group paging and MT-SDT paging Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core, NR\_MT\_SDT-Core

*Proposal 1: To solve collision between MT-SDT paging and group paging, the UE only uses "mt-SDT" as the resumeCause if the UE does not receive group paging which requests the UE to go to RRC\_CONNECTED.*

- CATT Thikns that network implementation can fix this problem. If there is group paging it would only include group paging. Nokia agrees and network has control on how it handles conflict. LG agrees as well. Huawei thinks that this won’t work if the UE moves to another network as the network doesn’t know if the UE is monitoring group paging. Vivo thinks that the network would have the information when the UE switches cells. Ericsson supports Huawei. Intel indicates that this would be a new requirement for the network.

After comeback

- ZTE thinks that even if we do nothing there is no problem.

=> Postponed to next meeting

=> Noted

*[H059]: Applicability of Cell individual offset to new events – [Proposed Status (UAV): PropAgree]*

[R2-2400192](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400192.zip) [H059] CIO for UAV events Huawei, HiSilicon discussion Rel-18 TEI18, NR\_UAV-Core [moved from 7.0.3]

Proposal 1: In events A3H1, A3H2, A4H1, A4H2, A5H1 and A5H2, clarify that the cellIndividualOffset can also come from reportConfigNR.

Proposal 2: Adopt the TP in the Annex.

=> In events A3H1, A3H2, A4H1, A4H2, A5H1 and A5H2, clarify that the cellIndividualOffset can also come from reportConfigNR. These changes will be removed from UAV CR and be moved to TEI CIO CR.

=> Noted

**ASN.1 Common RILs without a contribution to 7.0.3:**

The ASN.1 Rapporteur has noted the following common RILs without a contribution to 7.0.3:

* *Z420, Z423, Z428, Z430 (RedCap, CovEnh)* – *This is covered in CovEnh session.*
* *E158, E159 (RedCap, MBS)*
* *H500 (ATG, NTN) – editorial*
* *X102 (URLLC, XR) – Covered in XR*
* *I051 (MULTI)*

***Rapporteur has provided the following:***

**E158, E159 (RedCap, MBS)**

*Whether common frequency resource used for MCCH and MTCH reception for RedCap UEs is used also by eRedCap UE.*

=> common frequency resource used for MCCH and MTCH reception for RedCap UEs is used also by eRedCap UE, if eRedCap UEs support that bandwitch.

**H500 (ATG, NTN)**

Whether to merge cell barring procedure text for NTN and ATG.

=> Postponed to next meeting after we see all the CRs coming from this meeting

Also H723, C001, C002, C621 on this procedure text.

**X102 (URLLC, XR)**

RIL text: In RAN2#124 meeting, RAN2 agreed “For URLLC, the BAT reporting capability shouldn’t be linked to XR capabilities (e.g. to PDU sets). FFS to check with XR specs that the functionality of BAT reporting works independently”, and “=> Companies need to check and think about: - BAT reporting capability required for URLLC - Need a solution that allows URLLC to use BAT reporting without support XR”. Details will be discussed in contribution.

Huawei (Dawid-v184): If URLLC experts see some issue, then it is OK to discuss. However, please note this was discussed in November and the capability desciption was modified accordingly. There is no requirement for URLLC UE to be able to report any information other than BAT (e.g. periodicity, jitter) and for PDU set identification URLLC UE may always report "false". Not sure there is an issue to resolve

**I051 (MULTI)**

=> Agree and include in rapporteur CR: Additional Rel-18 content in otherConfig in RRCReconfiguration when configured for the SCG.   
RIL proposal: idc-AssistanceConfig, multiRx-PreferenceReportingConfigFR2, ul-TrafficInfoReportingConfig, n3c-RelayUE-InfoReportConfig, successPSCell-Config, sn-InitiatedPSCellChange, ~~musim-GapPriorityAssistanceConfig,~~ ~~musim-CapabilityRestrictionConfig~~

### 7.0.4 Other

*Including checking if NTN and mAIB RACH-less HO can be used independently*

**Extension of RACH-less HO to all Rel-18 UEs**

[R2-2401164](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401164.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18

Proposal 1: Generalize existing rachLessHandoverNTN-r18 to rachLessHandover-r18 that may be supported by any release 18 UE (including NTN and IAB).

Proposal 2: Agree to the changes in TS 38.300 and TS 38.331 change requests for those listed above to support RACH-less HO with TA as source or TA equal to 0.

Proposal 3: Agree to the changes in TS 38.331 and TS 38.321 change requests for those listed above to support RACH-less HO with early TA acquisition.

=> Noted

[R2-2401378](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401378.zip) Extending support of IAB-NTN RACH-less HO for legacy L3 handover Ericsson discussion Rel-18 NR\_mobile\_IAB-Core, NR\_NTN\_enh-Core

Proposal 1: The legacy HO procedure without random access (except for NTN and Mobile IAB) is not supported in Rel-18.

=> noted

***Discussion***

- Ericsson is concerned with the early synch and doesn’t want to do it now. Lenovo asks how this would work. Nokia explains that it would be a UE capability.

- CATT thinks that we need to justify the feasibility of being able to support L3. Ericsson further points out that there was no RAN3 changes. ZTE thinks that this could almost come for free and ok with proposal 1 as a general concept. Also accepts that this would be limited to the intra-gNB case and no need for further RAN3.

- Oppo is concerned that if we limit the case only to intra-gNB the value is not very high.

Potential way forward to be discussed offline:

- Generalize existing rachLessHandoverNTN-r18 to rachLessHandover-r18 that may be supported by any release 18 UE (not just for NTN and IAB).

- Restrict this to intra-gNB case - agree to the changes in TS 38.300 and TS 38.331 change requests for those listed above to support RACH-less HO with TA as source or TA equal to 0.

- Early TA acquisition is not part of this discussion for now.

* [AT125][004][Rachless HO] Discuss possible WF and CRs (Nokia)

Intended outcome:

Deadline: Friday 01-03-24

After CB

- Nokia explains that there was discussions whether we do this in Rel-19 and have more detailed solution including RAN3. But companies were ok to do it in Rel-18 without RAN3 impact

**Agreements on RACH-less HO**

1. We will generalize RACH-less HO without impact to RAN3 in Rel-18

2. Two UE capabilities will be introduced: DG RACH-less HO and CG RACH-less HO. FFS if it is per band. FFS how we handle NTN capability if different from mIAB and generalized case

[R2-2401967](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401967.zip) [Summary of Rach-less HO] Samsung discussion Rel-18 TEI18

*Proposal 1: RAN2 to agree the following capability framework for RACH-less:*

*- DG RACH-less HO, as a per-UE capability, for all R18 non-NTN UEs, including the UEs connecting to an mIAB cell*

*- CG RACH-less HO, as a per-UE capability, for all R18 non-NTN UEs, including the UEs connecting to an mIAB cell*

*- NTN RACH-less HO, with details left to NTN*

*Proposal 2: RAN2 NTN to confirm their current WA whether RACH-less HO for NTN is a per-band UE capability.*

*Proposal 3: RAN2 NTN to discuss whether a separate RACH-less HO capability is needed for the special case of NTN time-based RACH-less CHO.*

- Qualcomm is asking if NTN is doing it per band why don’t we do it per band. Samsung explains that it was discussed but companies were concerned that it would cause too much unnecessary signaling.

- Qualcomm is concerned that it is per UE we have to test for both FR1 and FR2 as an example.

- Interdigital explains that for CG RACH-less case we used CG-SDT as a baseline and depending on whether it is implemented in FR1/FR2 the frequency of occasions can change which means that the UE was capable to do it in some bands but not in others.

- Intel agree with Samsung

- Ericsson thinks we should align UE capabilities with CHO. Samsung and Interdigital explains that CHO is referring to timebased CHO which is only for NTN.

- Apple also thinks that we should align. The CG capability is per band so we should also align.

[R2-2401165](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401165.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0799 - B TEI18

=> Revised in [R2-2401524](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401524.zip)

[R2-2401524](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401524.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0799 1 B TEI18

[R2-2401166](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401166.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell CR Rel-18 38.306 18.0.0 1044 - B TEI18

[R2-2401167](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401167.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.0.0 4588 - B TEI18

[R2-2401168](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401168.zip) RACHless HO support in release 18 Nokia, Nokia Shanghai Bell CR Rel-18 38.321 18.0.0 1766 - B TEI18

**Cross-feature coordination of RACH-less HO**

*[C704, E052, C604, H507] Cross feature coordination for RACH-less HO – [Proposed Status: ToDo] – [Impacted features: GEN]*

[R2-2400333](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400333.zip) [H507] Discussion on CG RACH-less in LTM, NTN and mIAB in R18 Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core, NR\_Mob\_enh2-Core, NR\_NTN\_enh-Core

Proposal1: From RRC point of view, define a new IE for RACH-less CG configuration for LTM, NTN, mIAB by reusing the CG-SDT configuration in R17 with also:

 Clarifying that CGRT is not needed for mIAB

 Adding a new field for SSB RSRP threshold for SSB selection and clarifying that it is only present for mIAB and NTN.

Proposal2: From MAC point of view, merge the duplicated text in MAC spec related to CG RACH-less transmission in the following sections:

 DL assignment reception

 UL grant reception

 Configured grant uplink

Proposal3: RAN2 to discuss whether to combine the functionality of the LTM-retransmissionTimer and RACH-lessRetransmissionTimer with the understanding that these two timers cannot run at the same time.

Proposal4: RAN2 to take the MAC CR in [R2-2400334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400334.zip) and RRC CR in [R2-2401370](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401370.zip) for CG RACH-less transmission as the baseline.

- Samsung points out that if we generalize the procedure for all UEs we should be careful to chose correct behaviour as IAB and NTN have different behavoiurs.

=> Agree to proceed with merging the proposals as per proposals in MAC CR in [R2-2400334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400334.zip) and RRC CR in [R2-2401370](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401370.zip).

[R2-2401370](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401370.zip) Correction to CG RACH-less RRC procedure [C704, E052, C604, H507] Ericsson draftCR Rel-18 38.331 18.0.0 F NR\_mobile\_IAB-Core, NR\_Mob\_enh2-Core, NR\_NTN\_enh-Core [moved from 7.0.3]

=> The CRs will be used as baseline and can be further reviewed offline and updated based on decisions made on other sessions and whether we generalize RACH-less procedure

[R2-2400334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400334.zip) [H507] Correction to CG RACH-less MAC procedure in R18 Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1738 - F NR\_mobile\_IAB-Core, NR\_Mob\_enh2-Core, NR\_NTN\_enh-Core

=> The CRs will be used as baseline and can be further reviewed offline and updated based on decisions made on other sessions and whether we generalize RACH-less procedure

* [POST125][028][RACH-less] CR to 38.331 (Ericsson)

Intended outcome: Agree to CR

Deadline: Short

* [POST125][023][RACH-less] CR to 38.321 (Huawei)

Intended outcome: Agree to CR

Deadline: Short

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

Intended outcome: UE capability discussion and other RACH-less issues/corrections

Deadline: Long

*Common RACH-less issues for NTN/mIAB*

[R2-2400685](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400685.zip) Specification handling of mIAB and NTN RACH-less handover capabilities Samsung discussion

Proposal 1: 2 new capabilities are introduced – a RACH-less HO DG capability, and a RACH-less HO CG capability. (There is no specific differentiation between IAB and NTN RACH-less HO capabilities – it is down to the network to enable the RACH-less feature as long as UE is capable of supporting this feature.)

Proposal 2: The newly introduced capabilities of Proposal 1 are per-band.

Proposal 3: Current rachLessHandoverNTN-r18 capability is removed, and replaced with capabilities introduced in Proposal 1.

Proposal 4: Capture in text that in this Release these features only apply to IAB or NTN.

=> Noted

[R2-2400999](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400999.zip) Discussion on open issues on RACH-less HO in NR NTN OPPO discussion Rel-18 NR\_NTN\_enh-Core

Proposal 1: Configured uplink grant provided in RACH-less HO command is only used for initial UL transmission in RACH-less HO.

Proposal 2: It is up to network implementation to configure a single HARQ process for the configured uplink grant provided in RACH-less HO command.

=> Only come back to this if the merged CR still has outstanding issues

=> Noted

**Miscellaneous clarifications/corrections**

[R2-2400330](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400330.zip) Clarification on the expression of "if configured" in the MAC spec Huawei, HiSilicon discussion Rel-18

Proposal: Clarify in the MAC spec the usage of “if configured” in the two cases: (a) when the “if configured” expression is used in the UE procedure; (b) when the “if configured” expression is used in the condition for a UE procedure. Agree to the CR in Annex A

- Mediatek is concerned with case B and this doesn’t work everywhere. LG agrees with Mediatek.

=> Noted

[R2-2400384](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400384.zip) Discussion on mobile IAB-MT UE capability Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

=> Not treated

*Corrections CR*

[R2-2400329](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400329.zip) Correction on RACH resource set selection for CFRA Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1737 - F NR\_redcap\_enh-Core, NR\_MIMO\_evo\_DL\_UL-Core

- ZTE thinks that we have agreed to a CR from LG in coverage enh. Companies can check the merged version and check if there are some problems.

=> The CR is not pursued

=> Review the merged version of spec next meeting and see if there is still a need to modify something

[R2-2400475](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400475.zip) Misellaneous Corrections Nokia (Rapporteur) CR Rel-18 38.300 18.0.0 0783 - F TRS\_URLLC-NR-Core, NR\_ATG-Core, NR\_MBS\_enh-Core

=> The CR is agreed

[R2-2401303](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401303.zip) Correction on HARQ buffer flush at SCG deactivation Nokia, Apple, Mediatek, Qualcomm, Nokia Shanghai Bell CR Rel-18 38.321 18.0.0 1657 1 F LTE\_NR\_DC\_enh2-Core [R2-2308924](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2308924.zip)

=> Add TEI18 in WI code

=> The CR is agreed unseen in R2-2401973 with change above

## 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.

### 7.1.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2401387](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401387.zip) Clarification to Network-Controlled Repeaters Stage-2 description Ericsson, Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0808 - F NR\_netcon\_repeater

[R2-2401436](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401436.zip) Miscellaneous RRC corrections for NCR ZTE Corporation CR Rel-18 38.331 18.0.0 4617 - F NR\_netcon\_repeater Late

[R2-2401437](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401437.zip) RILs conclusion for NCR ZTE Corporation discussion Rel-18 NR\_netcon\_repeater Late

### 7.1.2 Others

[R2-2400322](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400322.zip) Restriction of cell list for NCR-MT cell reselection Samsung CR Rel-18 38.304 18.0.0 0372 - F NR\_netcon\_repeater

## 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

### 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.

[R2-2400007](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400007.zip) LS on UE selection for Ranging\_SL (C1-240431; contact: Xiaomi) CT1 LS in Rel-18 Ranging\_SL To:SA2 Cc:RAN2

[R2-2400027](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400027.zip) LS on the request for specific SL PRS resource characteristic(s)/SL-PRS resource configuration (R1-2312630; contact: Qualcomm) RAN1 LS in Rel-18 NR\_pos\_enh2-Core To:RAN2, RAN3

[R2-2400038](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400038.zip) LS on LMF involvement in SL-PRS resource allocation (R3-237860; contact: Xiaomi) RAN3 LS in Rel-18 NR\_pos\_enh2 To:RAN2 Cc:RAN1, SA2

[R2-2400052](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400052.zip) Reply LS on TA validation for LPHAP (R4-2321464; contact: Huawei) RAN4 LS in Rel-18 NR\_pos\_enh2 To:RAN2 Cc:RAN1

[R2-2400053](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400053.zip) Response to reply LS on SRS and PRS bandwidth aggregation for positioning (R4-2321545; contact: Ericsson) RAN4 LS in Rel-18 NR\_pos\_enh2-Core To:RAN2, RAN3 Cc:RAN1

[R2-2400067](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400067.zip) Reply LS on security aspects for Ranging/Sidelink Positioning (S3-235078; contact: Xiaomi) SA3 LS in Rel-18 Ranging\_SL To:SA2, RAN2

[R2-2400074](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400074.zip) LS to RAN2/CT WGs on RAN&CT alignment issues (S2-2313889; contact: Xiaomi) SA2 LS in Rel-18 Ranging\_SL To:RAN2, CT1, CT4 Cc:RAN3, SA3

[R2-2400076](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400076.zip) LS on coverage condition for Ranging/Sidelink Positioning (S2-2401383; contact: ZTE) SA2 LS in Rel-18 Ranging\_SL To:RAN2 Cc:RAN3

[R2-2400084](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400084.zip) LS reply on introduction of RAT-Dependent integrity (S2-2401589; contact: CATT) SA2 LS in Rel-18 5G\_eLCS\_Ph3 To:RAN2 Cc:CT4, RAN1

[R2-2400086](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400086.zip) Reply LS on security aspects for Ranging/Sidelink Positioning (S2-2401651; contact: Sony) SA2 LS in Rel-18 Ranging\_SL To:SA3 Cc:CT1, RAN2

[R2-2400155](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400155.zip) Discussion on LMF involvement in SL-PRS resource allocation vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2400206](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400206.zip) LS on confirmation of DL measurements for RedCap and BW CATT LS out Rel-18 NR\_pos\_enh2 To:RAN1 Cc:RAN3

[R2-2400281](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400281.zip) Draft Reply LS on LMF involvement in SL-PRS resource allocation Xiaomi LS out Rel-18 NR\_pos\_enh2 To:RAN3 Cc:RAN1, SA2

[R2-2400282](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400282.zip) Discussion on RAN3 and SA2 LSs for SL positioning Xiaomi discussion Rel-18 NR\_pos\_enh2

[R2-2400338](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400338.zip) Editorial corrrections to MAC CR for R18 positioning Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1739 - F NR\_pos\_enh2-Core

[R2-2400677](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400677.zip) Discussion on LSs of LMF involvement in SL positioning ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400679](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400679.zip) Discussion on SA2 LS on partial coverage ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400682](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400682.zip) Draft reply LS on coverage condition for Ranging Sidelink Positioning ZTE Corporation LS out Rel-18 NR\_pos\_enh2 To:SA2 Cc:RAN3

[R2-2400967](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400967.zip) Support of SRS pre-configuration in RAN3 Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2401082](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401082.zip) Corrections to TS 37.355 (rapporteur's CR) CATT CR Rel-18 37.355 18.0.0 0490 - F NR\_pos\_enh2-Core

[R2-2401236](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401236.zip) Request for specific SL-PRS resource characteristic(s)/SL-PRS resource configuration [LS in [R2-2400027](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400027.zip) (R1-2312630)] Qualcomm Incorporated discussion

[R2-2401239](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401239.zip) LPP ASN.1 Review File and Consolidated RIL List Qualcomm Incorporated other

[R2-2401241](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401241.zip) LPP Class 0 Issues Qualcomm Incorporated draftCR Rel-18 37.355 18.0.0 F NR\_pos\_enh2

[R2-2401318](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401318.zip) RRC Positioning Corrections based upon RILs Ericsson CR Rel-18 38.331 18.0.0 4599 - F NR\_pos\_enh2

[R2-2401465](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401465.zip) Discussion on reply to SA3 LS on security aspects for Ranging Sidelink Positioning OPPO discussion Rel-18 NR\_pos\_enh2 Late

### 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.

[R2-2400683](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400683.zip) Discussion on stage-2 procedure corrections ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400987](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400987.zip) Solution for some key RIL issues impacting stage-2 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401009](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401009.zip) Discussion on correction for TS 38.305 InterDigital, Inc. discussion Rel-18 NR\_pos\_enh2

[R2-2401243](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401243.zip) Miscellaneous Stage 2 Corrections and Alignments Qualcomm Incorporated CR Rel-18 38.305 18.0.0 0158 - F NR\_pos\_enh2

### 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.

[R2-2400154](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400154.zip) Discussion on SLPP open issues vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2400284](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400284.zip) Discussion on SLPP open issues Xiaomi discussion Rel-18 NR\_pos\_enh2

[R2-2400285](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400285.zip) Draft CR 38.355 for SLPP capability Xiaomi draftCR Rel-18 38.355 18.0.0 B NR\_pos\_enh2

=> Revised in [R2-2401526](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401526.zip)

[R2-2401526](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401526.zip) Draft CR 38.355 for SLPP capability Xiaomi draftCR Rel-18 38.355 18.0.0 B NR\_pos\_enh2-Core

[R2-2400336](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400336.zip) Discussion on the remaining issues for SLPP Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400359](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400359.zip) [POST124][POS] [TS 38.355] Open Issue list and ASN.1 review Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400360](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400360.zip) Miscellaneous corrections to SLPP specification Intel Corporation CR Rel-18 38.355 18.0.0 0001 - F NR\_pos\_enh2-Core

[R2-2400361](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400361.zip) Further considerations on SLPP open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400583](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400583.zip) Open issues in SLPP Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2400625](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400625.zip) Discussion on open issues in SLPP Lenovo discussion Rel-18 NR\_pos\_enh2

[R2-2400681](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400681.zip) Discussion on SLPP corrections ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400943](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400943.zip) [A006], [Rapp004] SLPP Issues Apple discussion Rel-18 NR\_pos\_enh2

[R2-2400944](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400944.zip) Miscellaneous SLPP corrections Apple discussion Rel-18 NR\_pos\_enh2

[R2-2400961](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400961.zip) Remaining issues on SLPP Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2401107](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401107.zip) Open issues on SLPP specification LG Electronics Inc. discussion Rel-18 38.355

[R2-2401244](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401244.zip) [RILs Q001, Q002] Common SL-PRS Request/Provide Assistance Data Qualcomm Incorporated discussion

[R2-2401245](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401245.zip) [RILs Q004, Q006] SL-RTT Request/Provide Location Information Qualcomm Incorporated discussion

[R2-2401246](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401246.zip) [RILs Q003, Q005, Q012] Various SLPP Corrections Qualcomm Incorporated discussion

[R2-2401464](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401464.zip) Discussion on including the server UE positioning method in the discovery message OPPO discussion Rel-18 NR\_pos\_enh2 Late

[R2-2401466](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401466.zip) Discussion on reporting multiple Rx-Tx measurement for the sidelink positioning OPPO discussion Rel-18 NR\_pos\_enh2 Late

### 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.

[R2-2400203](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400203.zip) [C001] Correction to need code of the IE NR-PeriodicControlParam CATT CR Rel-18 37.355 18.0.0 0487 - F NR\_pos\_enh2-Core

[R2-2400303](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400303.zip) Open issues for LPP spec Spreadtrum Communications discussion Rel-18

[R2-2400345](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400345.zip) [H023][H024][H025] Correction to measurement report for CA positioning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400346](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400346.zip) [H015] Per error source Integrity service paremeters Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400362](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400362.zip) Further considerations on LPP open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400425](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400425.zip) [M001] Definition of PRU in 37.355 MediaTek Inc. discussion Rel-18 NR\_pos\_enh2-Core

[R2-2400678](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400678.zip) Discussion on Rel-18 corrections in LPP ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400713](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400713.zip) LPP Maintenance issues Lenovo discussion Rel-18

[R2-2400942](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400942.zip) [A001], [A002], [A003], [A006] LPP Issues Apple discussion Rel-18 NR\_pos\_enh2

[R2-2400988](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400988.zip) Solution for some key RIL issues impacting LPP Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401010](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401010.zip) Discussion on correction for LPP InterDigital, Inc. discussion Rel-18 NR\_pos\_enh2

[R2-2401083](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401083.zip) [V300] Correction on integrityBeamInfoBounds CATT, vivo CR Rel-18 37.355 18.0.0 0491 - F NR\_pos\_enh2-Core

[R2-2401163](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401163.zip) [H003] Discusson on the CA positioning resource set indication Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401182](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401182.zip) [H018] Discussion on the integrity parameters Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401184](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401184.zip) [H006] Disucssion on the TRP ID for CA POS Huawei HiSilicon discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401186](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401186.zip) [H001] Disucssion on PRU modeling Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401247](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401247.zip) LPP Open Issue: DL-PRS–DRX Alignment Qualcomm Incorporated discussion

[R2-2401248](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401248.zip) LPP Open Issue: PRU Operation Qualcomm Incorporated discussion

[R2-2401249](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401249.zip) [RILs Q018, Q026, Q027] Integrity Assistance Data Request/Support Qualcomm Incorporated, CATT discussion

[R2-2401250](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401250.zip) [RILs Q019, Q024, Q028] Clarification of field description for aggregated and hopping measurement results Qualcomm Incorporated discussion

[R2-2401310](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401310.zip) RIL E100 LPP and E013 SLPP capability for hybrid positioning Ericsson discussion Rel-18

[R2-2401311](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401311.zip) RIL E101 Discussion on Optional or conditional for field nr-DL-PRS-MeasurementTimeWindowsConfig Ericsson discussion Rel-18

[R2-2401312](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401312.zip) RIL E103 Missing RedCap capability for RRC Connected mode Ericsson discussion Rel-18

[R2-2401313](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401313.zip) Discussion related to LPP RILs E001-E003 and Q033 [LocalCoords] Ericsson discussion Rel-18

[R2-2401314](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401314.zip) Discussions related to LPP RIL E004 on Integrity Bounds Ericsson discussion Rel-18

[R2-2401321](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401321.zip) Addressing sidelink open issues and various LS Ericsson discussion Rel-18

[R2-2401325](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401325.zip) Addressing Remaining Integrity Issues Ericsson discussion Rel-18

[R2-2401444](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401444.zip) [POST124][POS][37355] Open Issue list and RIL CATT discussion Rel-18 NR\_pos\_enh2-Core Late

[R2-2401496](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401496.zip) LPP RIL list for Rel-18 Positioning CATT discussion Rel-18 NR\_pos\_enh2-Core Late

### 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.

[R2-2400156](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400156.zip) Discussion on RRC open issues for POS vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2400202](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400202.zip) Discussion on the release of SRS configuration CATT, Samsung, LG Electronics Inc discussion Rel-18 NR\_pos\_enh2

[R2-2400205](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400205.zip) [C414] Activation of SP SRS when configured with validity CATT discussion Rel-18 NR\_pos\_enh2

[R2-2400340](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400340.zip) [H571][H901][H902] Discussion on SIB23 Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400341](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400341.zip) [H573] [H574] [H575] Discussion on SRS configuration/activation request Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400342](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400342.zip) [H577] Discussion on UAI for SL positoning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400343](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400343.zip) [H604] Discussion on the exceptional pool for SL positoning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400344](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400344.zip) [H903] Disucssion on collision handlig for SL-PRS Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400347](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400347.zip) [H581][H590] Discusison on SUI for SL positioning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400676](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400676.zip) Discussion on LPHAP, SL pos and BW aggregation in RRC ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400968](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400968.zip) [S207][Z156] Remaining issues on RRC Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2400970](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400970.zip) Discussion on the validity timer for the SRS with validity area Beijing Xiaomi Electronics discussion NR\_pos\_enh2

[R2-2400989](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400989.zip) Solution for some key RIL issues impacting RRC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401252](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401252.zip) Remaining issues for pre-configured SRS Qualcomm Incorporated discussion

[R2-2401317](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401317.zip) Open issues list For RRC Positioning Ericsson discussion Rel-18

[R2-2401365](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401365.zip) RRC Positioning RIL List Ericsson 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.

[R2-2400157](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400157.zip) Discussion on MAC open issues for POS vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2400204](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400204.zip) Discussion on the remaining issues on bandwidth aggregation for SRS CATT discussion Rel-18 NR\_pos\_enh2

[R2-2400229](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400229.zip) Discussion on MAC open issue [CA#02] for NR Pos Lenovo discussion Rel-18

[R2-2400261](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400261.zip) Discussion on MAC issues for SL positioning InterDigital, Inc. discussion Rel-18 NR\_pos\_enh2

[R2-2400283](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400283.zip) Discussion on positioning MAC open issues Xiaomi discussion Rel-18 NR\_pos\_enh2

[R2-2400337](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400337.zip) Discussion on the remaining issues for R18 positioning MAC spec Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400363](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400363.zip) Further considerations on MAC open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400680](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400680.zip) Discussion on SL pos and BW in MAC ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400716](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400716.zip) SL Positioning MAC Maintenance issues Lenovo discussion Rel-18

[R2-2400884](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400884.zip) Remaining issues on SL-PRS transmission ASUSTeK discussion Rel-18 38.321 NR\_pos\_enh2

[R2-2400885](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400885.zip) Discussion and correction regarding SL PRS resource request ASUSTeK discussion Rel-18 38.321 NR\_pos\_enh2

[R2-2400969](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400969.zip) Remaining issues on MAC Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2401056](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401056.zip) MAC related remaining issues of SL positioning Sharp discussion

[R2-2401108](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401108.zip) Open issues on MAC specification LG Electronics Inc. discussion Rel-18 38.321

[R2-2401189](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401189.zip) MAC spec open issue list for R18 POS Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2-Core

[R2-2401253](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401253.zip) MAC Open Issue CA#02: MAC CE for activation/deactivation of aggregated SP SRS for positioning Qualcomm Incorporated discussion

[R2-2401322](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401322.zip) Addressing MAC open issues Ericsson discussion Rel-18

[R2-2401467](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401467.zip) Discussion on Sidelink positioning MAC open issues OPPO discussion Rel-18 NR\_pos\_enh2 Late

### 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.

[R2-2400364](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400364.zip) Further considerations on UE capability open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2400915](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400915.zip) draft 38.306 CR for Positioning Capability Xiaomi draftCR Rel-18 38.306 18.0.0 B NR\_pos\_enh2

=> Revised in [R2-2401527](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401527.zip)

[R2-2401527](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401527.zip) draft 38.306 CR for Positioning Capability Xiaomi draftCR Rel-18 38.306 18.0.0 B NR\_pos\_enh2

[R2-2400953](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400953.zip) Draft 38.331 CR for positioning capability Xiaomi draftCR Rel-18 38.331 18.0.0 B NR\_pos\_enh2

=> Revised in [R2-2401528](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401528.zip)

[R2-2401528](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401528.zip) Draft 38.331 CR for positioning capability Xiaomi draftCR Rel-18 38.331 18.0.0 B NR\_pos\_enh2

[R2-2400954](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400954.zip) draft LPP CR for Positioning Capability Xiaomi draftCR Rel-18 37.355 18.0.0 B NR\_pos\_enh2

=> Revised in [R2-2401529](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401529.zip)

[R2-2401529](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401529.zip) draft LPP CR for Positioning Capability Xiaomi draftCR Rel-18 37.355 18.0.0 B NR\_pos\_enh2

[R2-2400958](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400958.zip) Open issue list for Rel-18 positioning capability Xiaomi discussion Rel-18 NR\_pos\_enh2

### 7.2.8 Corrections to other specifications

Impact to any specifications not identified above.

[R2-2400339](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400339.zip) Discussion on the remaining issues for idle mode procedure Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2400365](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400365.zip) Further considerations on TS 38.304 open issues Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2401324](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401324.zip) Addressing SL cell reselection open issues Ericsson discussion Rel-18

## 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: 3 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 Decembe

[R2-2400014](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400014.zip) LS on Cell DTX/DRX operations for sTRP (R1- 2312409; contact: Intel) RAN1 LS in Rel-18 Netw\_Energy\_NR-Core To:RAN2

=> Noted

[R2-2400216](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400216.zip) LS on new definitions of energy efficiency and energy consumption eDRX (S5-240816; contact: Huawei) SA5 LS in Rel-18 EE5GPLUS\_Ph2 To:SA1, SA2, RAN1, RAN2, RAN3 Cc:SA

=> Noted

[R2-2400308](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400308.zip) Network energy savings for NR miscellaneous RRC CR Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4522 - F Netw\_Energy\_NR-Core

=> The CR is endorsed and will be used as baseline for all other corrections

* [POST125][019][NES] CR to 38.331 (Huawei)

Intended outcome: Agree to CR ([R2-2401877](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401877.zip)) and RIL list ([R2-2401878](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401878.zip))

Deadline:Friday 08-03-24

[R2-2401877](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401877.zip) Network energy savings for NR miscellaneous RRC CR Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4522 1 F Netw\_Energy\_NR-Core

[R2-2401878](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401878.zip) NES WI RIL list Huawei, HiSilicon report Rel-18 Netw\_Energy\_NR-Core

* [POST125][020][NES] CR to 38.321 (InterDigital)

Intended outcome: Agree to CR ([R2-2401879](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401879.zip))

Deadline: Friday 08-03-24

[R2-2401879](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401879.zip) Network energy savings for NR miscellaneous MAC CR InterDigital CR Rel-18 38.321 18.0.0 1780 1 F Netw\_Energy\_NR-Core

[R2-2401950](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401950.zip) Clarification of cell DTX/DRX operation with TRP 38.300 CR 0811 Ericsson

* [AT125][025][NES] Stage 2 CR (Ericsson)

Intended outcome: Approve by Email stage 2 CR capturing 1 agreement from RAN2#125 ([R2-2401950](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401950.zip))

Deadline: Friday 01-03-24

[R2-2401950](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401950.zip) Clarification of cell DTX/DRX operation with TRP Ericsson CR Rel-18 38.300 18.0.0 0811 - F Netw\_Energy\_NR-Core

=> Agreed

7.3.2 User Plane

**Whether to add NES-RNTI to the list of monitored RNTIs in section 5.7 (DRX)**

[R2-2400959](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400959.zip) remaining open issues for cell DTRX vivo discussion Rel-18

Proposal 1: The UE only monitors cellDTRX-RNTI in the C-DRX active time, i.e. adding cellDTRX-RNTI in the RNTI monitoring list in Chapter 5.7 of TS 38.321 to align with TS 38.213 description as the draft TP in Annex 5.1.

=> Noted

[R2-2400974](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400974.zip) Remaining issues on NES-RNTI monitoring for Cell DTX/DRX Nokia, Nokia Shanghai Bell, Vodafone, Samsung discussion Rel-18 Netw\_Energy\_NR-Core

Proposal 1: it shall be ensured that there are common PDCCH occasions for the all the UEs supporting Cell DTX/DRX to monitor DCI format 2\_9.

Proposal 2: if seen needed, the DCI format 2\_9 monitoring occasions during UE’s DRX non-active time can be configurable by the network with different periodicity as compared to those occurring during UE’s DRX active time or disabled.

=> Noted

*Discussion*

**-** Nokia thinks that RAN1 has assumed that the notification is monitored by the UEs at the same time.

**-** Lenovo doesn’t think that there are many UEs, so the network can align most of the UEs and for the ones that are not aligned it can send it separately to those UEs.

**-** Samsung is concerned that the onDuration for the UE can be very small and the common search space is quite sparce so it reasonable for the UE to always monitor the NES-RNTI. Vodafone thinks it is better for the UE to avoid mis-alignments.

**-** Apple and Qualcomm thinks that it is better to only monitor during active. CMCC supports Nokia’s proposal

* [AT125][007][NES] NES-RNTI monitoring and RRC Resume (Huawei, InterDigital)

Intended outcome: UP issue (NES-RNTI monitoring), Discuss CP (RRC Resume, including SDT if time allows)

Deadline: Wed 28-02-24

[R2-2401864](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401864.zip) Summary of [AT125][007][NES] NES-RNTI monitoring InterDigital (rapporteur)

*Proposal: RAN2 to down select from the following options:*

*1) cellDTRX-RNTI is added in the RNTI monitoring list in section 5.7 of TS 38.321. The UE monitors cellDTRX-RNTI only in the C-DRX active time.*

*2) UE is configured with DCI format 2\_9 monitoring occasions and periodicity outside UE’s DRX active time. UE monitors configured occasions when cell DTX is activated.*

- Lenovo asks if Proposal 2 would be with a UE capability. Interdigital confirms. Lenovo then thinks that we should go with proposal 1 as if the UE doesn’t support it then the network has to accommodate both. Nokia thinks that this should be linked to report DCI format 2\_9. Option 2 doesn’t have any spec impact. Huawei thinks that there is no TP on the table for Option 2. There is no need to have a RAN2 TP, RAN1 just needs to remove their text.

- ZTE thinks that Option 2 with UE capability is a good compromise

- Samsung thinks that if UE supports this then this would come at a UE power consumption cost as the network would have to configure longer onDuration.

- Apple thinks that having more capabilities makes it more complex.

- Xiaomi thinks that option 2 is not a compromise

- Huawei, Vivo and Ericsson thinks the more optional features we add, we are making it more complex and it will never be used.

=> Noted

**Cell DTX only in sTRP**

[R2-2400304](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400304.zip) Discussion on user plane red issues of NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 3: Capture the agreement that cell DTX/DRX operation is only supported for sTRP in stage 2 and adopt the TP from Annex 2.*

=> Noted

[R2-2401098](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401098.zip) Discussion on the UP open issues of NES CATT discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 2: To support "Cell DTX/DRX operation is only supported for sTRP", the field description of cellDTXDRX-Config needs to be modified.*

=> Noted

*Discussion*

- Ericsson has a third proposal to capture it in UE capability. Apple prefers stage 2 only and it is not related to capability. The enhancement involves both UE and NW side so it wouldn’t fit in UE capability.

- ZTE has yet a fourth proposal – to capture in 38.321. Interdigital explains that we don’t include TRP in MAC spec.

**Corrections**

[R2-2400485](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400485.zip) Correction on the SP CSI reporting OPPO discussion Rel-18 Netw\_Energy\_NR

Proposal 1 Update the MAC spec to prohibit the MAC entity from reporting semi-persistent CSI via either PUSCH or PUCCH during non-active periods of cell DRX.

=> Noted

**Agreements**

1. cellDTRX-RNTI is added in the RNTI monitoring list in section 5.7 of TS 38.321. The UE monitors cellDTRX-RNTI only in the C-DRX active time.

2. Capture the agreement that cell DTX/DRX operation is only supported for sTRP in stage 2 and adopt the TP from Annex 2.

3. Update the MAC spec to prohibit the MAC entity from reporting semi-persistent CSI via either PUSCH or PUCCH during non-active periods of cell DRX.

4 Clarify the agreement in MAC that the UE does not monitor PDCCH for UL grant/DL assignment and the DCI formats agreed by RAN1, i.e. the PDCCH controlled by UE’s DRX functionalities during Cell DTX non-active period (i.e. all RNTIs listed in DRX section)

**Spec Clarifications**

[R2-2400918](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400918.zip) Remaining issues on alignment between Cell DTX and UE CDRX Apple, Lenovo, KDDI, OPPO discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 1: During T1 (i.e., non-active time of UE CDRX is overlapped with active duration of Cell DTX/DRX), RAN2 clarify the UE follows UE CDRX behaviour (i.e., stop monitoring PDCCH but allow transmission of SR/CG and reception of SPS).*

*Proposal 2: RAN2 agree the TP in Appendix to implement Proposal 1 on top of endorsed MAC CR.*

- ZTE and Xiaomi thinks this is clear already. LG supports this change

- Interdigital and Qualcomm explain that there is a clause referring to the cell DRX section.

=> No change needed

=> Noted

[R2-2400974](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400974.zip) Remaining issues on NES-RNTI monitoring for Cell DTX/DRX Nokia, Nokia Shanghai Bell, Vodafone, Samsung discussion Rel-18 Netw\_Energy\_NR-Core

Proposal 3: Confirm that there is no conflict between RAN2 and RAN1 agreements on the UE monitoring DCI format 2-9 during the non-active period of cell DTX.

Proposal 4: clarify the agreement in MAC that the UE does not monitor PDCCH for UL grant/DL assignment and the DCI formats agreed by RAN1, i.e. the PDCCH controlled by UE’s DRX functionalities, during Cell DTX non-active period.

=> Noted

[R2-2400757](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400757.zip) MAC corrections for cell DTX-DRX Ericsson discussion

Proposal 1 Update 38.321 in cell DTX/DRX from “MAC entity may” to “MAC entity need not”.

=> Change to need not

=> FFS to check if the following two conditions should be “shall not” rather than “need not”

- instruct the physical layer to receive transport block on the DL-SCH of this Serving Cell according to a configured downlink assignment for SPS;

- set the HARQ Process ID to the HARQ Process ID associated with the PDSCH duration of a configured downlink assignment;

=> Noted

**Emergency call during non-active period**

[R2-2400920](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400920.zip) User Plane open issues on NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 4: RAN2 agree it is not necessary to specify normative text to mandate UE to initiate RACH for emergency call, i.e. a NOTE that UE is allowed to initiate RACH is sufficient.*

*Proposal 5: RAN2 agree the TP in Appendix 3 to close the issue on emergency call triggered RACH.*

=> Noted

[R2-2400486](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400486.zip) Discussion on remaining issues for the emergency call OPPO discussion Rel-18 Netw\_Energy\_NR

*Proposal 1 UE triggers RACH on the SpCell for an emergency call if no available uplink grant transmission is allowed on any serving cell of the UE based on the cell DRX mechanism.*

=> Noted

[R2-2401362](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401362.zip) MAC Open Issues on Cell DTX/DRX Samsung discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 1: UE triggers Random Access procedure only on PCell upon an emergency service initiated during the cell DRX non-active period.*

*Proposal 2: An ongoing RA procedure due to the emergency services may be stopped when all the relevant data for the emergency services are transmitted.*

=> Noted

*Discussion*

*1) No need to mandate UE to trigger RACH -just add a NOTE that UE is allowed to initiate RACH*

*2) UE triggers RACH on the SpCell for an emergency call if no available uplink grant*

*3) UE triggers Random Access procedure only on PCell upon an emergency service initiated during the cell DRX non-active period.*

- Xiaomi agrees to trigger the RACH but thinks that there are additional triggers. ZTE thinks there is no need to mandate to trigger RACH.

- Vodafone thinks that it should be mandatory that the UE Triggers RACH if it is in the non active periods at least for PCell.

- Fujitsu thinks that we need to specify something and don’t agree to apple’s proposal.

- Samsung thinks that we need a deterministic behaviour on when to trigger RACH as otherwise UEs may trigger too much RACH.

- LG also thinks that the UE must trigger RACH if it doesn’t have a grant.

- InterDigital explains that we had to option to trigger SR for emergency call but we decided to go with RACH.

- Qualcomm agrees with Apple, and there may be cases where the UE may get a grant in 10ms so it would be faster to wait then trigger a long RA procedure. Vivo also explains that there are cases where there are SR resources on other cells and the UE can use those cells, so it shouldn’t be mandatory.

- Nokia thinks what we have is ok.

**Other**

[R2-2400608](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400608.zip) Correction on Cell DRX/DTX and SP CSI report in 38.321 ZTE Corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 1: Capture allowing CG bundle transmission if only a part of a bundle overlaps with cell DRX Active Period into 38.321.*

- Interdigital thinks that for URLLC RAN1 captured this and at least one TP in RAN

- Nokia thinks that this is already clear the Configured grant is not delivered during the non-active period. Samsung thinks that the current spec has some ambiguity.

=> Wait until end of meeting to see if RAN1 has captured it, otherwise we can capture it.

Proposal 5: Capture that if a Semi-Persistent CSI report configuration i is configured with subconfiguration, UE could ignore the Si field that is set to 1 in legacy SP CSI reporting on PUCCH Activation/Deactivation MAC CE into 38.321.

=> Noted

[R2-2400304](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400304.zip) Discussion on user plane related issues of NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 4: The UE is allowed to trigger a RACH procedure for SCell BFR transmission during the non-active periods of the cell DRX. The UE initiates a RACH procedure and carries the BFR MAC CE in Msg3/MsgA.*

- Huawei, Apple and Lenovo think that this is important. Interdigital explains that this was discussed during the time of allowing exceptions, including SR, BFR, etc.

- BT asks if it is really that important for the SCell. Qualcomm thinks that the impact is significant to make this change. LG also explains that this can be handled byNW implementation as discussed before.

=> Noted

Not treated

[R2-2400278](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400278.zip) Open issues in MAC Xiaomi discussion Rel-18

[R2-2400484](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400484.zip) Open issue on the cellDTRX-RNTI monitoring OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2400744](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400744.zip) Open issues on Cell DTX/DRX Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

[R2-2400791](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400791.zip) Open Issues in NES UP Qualcomm Incorporated discussion Rel-18

[R2-2400860](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400860.zip) UE NES-RNTI monitoring behaviour NEC discussion

[R2-2400876](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400876.zip) Remaining MAC open issues on NES Fujitsu discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2401114](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401114.zip) Remaining issues on cell DTX and cell DRX mechanism LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2401147](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401147.zip) Discussion on NES and TP to TS 38.300 CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2401148](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401148.zip) Discussion on NES and TP to TS 38.321 CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2401199](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401199.zip) Coexistence of Cell DTX/DRX and RACH-less LTM/handover Sharp discussion

[R2-2401218](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401218.zip) Remaining open issues for Rel-18 NES MediaTek Inc. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2401455](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401455.zip) Remaining issues on Cell DTX/DRX InterDigital discussion Rel-18 Netw\_Energy\_NR-Core Late

### 7.3.3 Control Plane corrections

[R2-2400307](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400307.zip) NES WI RIL list Huawei, HiSilicon report Rel-18 Netw\_Energy\_NR-Core

=> Agree to the following PropAgree RILs: J060, O500, O501, X202, E152, C317, Z541, X203, S231, H725

=> Agree to the following PropReject RILs: I057, B200, B201, X201, E153, C316, I142, Z450, X204, Z542

=> Noted

**[H044] Cell DTX/DRX UE capability:**

[R2-2400305](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400305.zip) [H044] Discussion on Cell DTX/DRX UE capability relation to NES cell barring Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

Observation 1: In the current implementation the UE in Idle/Inactive receiving an indication that cellBarredNES is set to {notBarred} doesn’t know whether the network operates in cell DTX, cell DRX or cell DTX/DRX mode and therefore it cannot properly decide whether it is allowed to camp on the cell.

Proposal 1: Change the nes-CellDTX-DRX-r18 UE capability to ENUMERATED {supported} meaning that the UE supports all Cell DTX/DRX options based on RRC configuration.

=> Noted

[R2-2401170](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401170.zip) [NES RRC Open Issue 1] Barring and UE capabilities Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

Proposal 1: If UE features for cell DTX and DRX are considered more or less as IoT bits, agree on Option 1a with the requirement that the UE supports Cell DTX shall also support Cell DRX – otherwise go with Option 2 (separate barring for cell DTX and DRX).

=> Noted

[R2-2400756](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400756.zip) Cell DTX/DRX UE Capability - Ericsson

[Proposal 1 NES cell barring behaviour is applicable to a UE supporting any value of nes-CellDTX-DRX.](file:///C:\Data\3GPP\USL_TDoc_Drafting_Reviews\TDoc_Review\RAN2_125_Feb2024\7.3.3_NES_CP_Corrections\R2-2400756_Ericsson.docx#_Toc158973178)

[Proposal 2 Cell DTX/DRX support in 38.331 is split into two capabilities (nes-CellDTX and nes-CellDRX) and procedural text clarified as “if the UE supports nes-CellDTX or nes-CellDRX”.](file:///C:\Data\3GPP\USL_TDoc_Drafting_Reviews\TDoc_Review\RAN2_125_Feb2024\7.3.3_NES_CP_Corrections\R2-2400756_Ericsson.docx#_Toc158973179)

=> Noted

[R2-2400895](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400895.zip) Discussion on remaining open issue of cell barring for NES LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

Proposal 1. Two NES cell barring bits are needed to align with cell DTX/DRX UE capability as follows:

- cellBarredNES-DTX-r18 ENUMERATED {notBarred}­

- cellBarredNES-DRX-r18 ENUMERATED {notBarred}.

=> Noted

Discussions

*- Option 1: Change the UE capability to ENUMERATED {supported} meaning that the UE supports all Cell DTX/DRX options based on RRC configuration.*

*- Option 2: Increase the number of NES cell DTX/DRX barring bits in SIB1 to 3 to cover all possible UE capabilities.*

*- Option 3: Define UE behaviour based on 1 barring bit and 3 UE capability options.*

- Rapporteur, CATT, Fujitsu, Xiaomi and Nokia suggest to go with option 1. Fujtisu thinks that option 1 simplifies Iot testing.

- Ericsson, Oppo is fine with option 3.

- Vivo thinks that RAN1 would not like to revert their agreement. CATT indicates that RAN1 didn’t discuss too much about this capability so RAN2 can still discuss. Apple thinks that RAN1 did discuss and we shouldn’t change RAN1 agreement. ZTE, Mediatek, thinks option 3 is best and simplest approach. Xiaomi indicates that RAN1 most discussions were related to configuration.

- Lenovo thinks that option 1 is the simplest as we will have issues with option 3.

**Agreement**

1 Define UE behaviour based on 1 barring bit and 3 UE capability options. A UE supporting any of the 3 cell DTX/DRX capabilities is allowed to access a cell operating in DTX/DRX mode. Refer to the UE DTX/DRX capability. It is up to NW implementation how to treat such a UE in connected mode if the capabilities mismatch the NW mode of operation (e.g. UE supports only cell DRX and the NW operates in cell DTX).

* [POST125][036][NES] CR to 38.304 (Apple)

Intended outcome: Agreed to CR

Deadline: Short

**[L007] Initial activation status of cell DTX and cell DRX** *[Proposed Status: ToDo]*

[R2-2401115](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401115.zip) [L007] RRC indication of initial activation status of cell DTX and cell DRX LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

*Proposal 1. Discuss whether to allow L1 indication to activate or deactivate cell DTX and cell DRX independently based on the following two options when cellDTXDRXconfigType = dtxdrx.*

*Option 1: L1 indication activates or deactivates both cell DTX and cell DRX simultaneously. In other words, cell DTX/DRX indication can be set to one of ‘00’ and ‘11’.*

*Option 2: L1 indication activates or deactivate both cell DTX and cell DRX independently. In other words, cell DTX/DRX indication can be set to one of ‘00’, ‘01’, ‘10’, and ‘11’.*

Proposal 2. Introduce separate initial activation status indications for cell DTX and cell DRX (e.g. cellDTXactivationStatus and cellDRXactivationStatus).

Proposal 3. If proposal 2 is agreed, adopt TP for TS38.331 and TP for TS38.321 suggested in Annex.

=> Noted

Discussion on RRC initial activation status.

- InterDigital thinks that this was added as an optimization so we can keep it simple and just have same activation status for both and any other changes can be done via DCI. Samsung thinks that we should avoid duplicated signalling so we support option 2. Apple think that option 1 is acceptable. Xiaomi thinks that separate status should be introduced.

- Lenovo agrees with InterDigital. Huawei and Nokia would like to keep the spec as it is.

**Agreements**

=> The RRC indication will activated both DTX/DRX (if configured) (i.e. no separate activation status indication is introduced)

**[N042] On RIL for Network Energy Savings** *[Proposed Status: ToDo]*

[R2-2401171](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401171.zip) [N042] On RIL for Network Energy Savings Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

Proposal 1: Include all the optional parameters indicated by RAN1 by referring to similar definitions from the existing parameters in CSI-ReportConfig. If feasible also consider to define the parameters in option 1a and 1b as a CHOICE.

Proposal 2: The IE description to be updated to indicate that the portSubsetIndicator and a list of nzp-CSI-RS-resources in same CSI report sub-configuration.

- Rapporteur agrees it should be choice but didn’t want to duplicate the spec so didn’t include all sub-configuration.

=> This will be fixed in the rapporteur CR directly after some offline discussion with Nokia and anyone else interested

=> Noted

**[H724] Optionality of Need M fields in cell DTX/DRX config** *[Proposed Status: ToDo]*

[R2-2400306](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400306.zip) [H724] optionality of Need M fields in cell DTX/DRX config Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

Proposal 1: Remove the optionality of CellDTXDRX-Config fields with “OPTIONAL, -- Need M” and make them mandatory.

=> Agree to proposal and change status of RIL to PropAgree

=> Noted

**[L007] Cell DTX/DRX Upon RRC Resume** *[Proposed Status: ToDo]*

[R2-2401333](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401333.zip) Cell DTX and DRX operation during RRC Resume Samsung discussion Rel-18 Netw\_Energy\_NR-Core

Proposal 1: The Cell DTX and DRX operation **is not activated in the UE** ~~shall not resume~~ once UE has successfully resumed from RRC inactive, if Cell DTX and DRX is configured.

=> Noted

[R2-2401099](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401099.zip) Discussion on the CP open issues of NES CATT discussion Rel-18 Netw\_Energy\_NR-Core

- Proposal 3: In order to support cell DTX/DRX mechanism after RRC Resume procedure, RAN2 clarify that it is allowed to configure the activation status of cell DTX/DRX upon the resumption of a cell DTX/DRX configuration.

=> Noted

*Discussion*

- Intel thinks that the best way to approach this is to provide the information in RRC resume and also wonders if further clarification is needed for SDT.

- Nokia doesn’t think it makes sense to start with previous activation status. Lenovo thinks that the solution from Intel makes sense and there would be no problem. Apple thinks that Samsung’s proposal is the most reasonable. Qualcomm thinks that the network should actually release the DTX/DRX configuration. The activation status shouldn’t be kept. LG explains that on the resume and DCI this can be resolved.

[R2-2401868](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401868.zip) Report of [AT125][007][NES] Cell DTX/DRX configuration in RRC\_INACTIVE (Huawei, InterDigital) discussion Rel-18 Netw\_Energy\_NR-Core

***Proposal 1*** *RAN2 to choose from the following options of handling Cell DTX/DRX configuration in RRC\_INACTIVE:*

*Option 1: The Cell DTX/DRX configuration is released upon RRC release to RRC\_INACTIVE.*

*~~Option 2: The Cell DTX/DRX configuration is deactivated in the UE once the UE has successfully resumed from RRC inactive or upon transition to RRC\_INACTIVE.~~*

*Option 3: Remove the restriction of one shot configuration of cellDTXDRXactivationStatus, i.e. agree to [C316].*

- Lenovo thikns the option 1 is one that will leave no ambiguity. Apple thinks that option 2 is better as the UE may resume in the same cell. CATT agrees with apple and it is not very complex for the network to send a DCI activation.

- Qualcomm indicates that we release the Cell DRX configuration, so the network will have to reconfigure the UE anyways. Interdigital agrees

- Vodafone thinks that Option 1 is straightforward as this is an explicit release. Rakuten also supports option 1. Option 2 is not very realistic as there is a scenario where the new cell doensn’t support DTX/DRX. Samsung thinks that you can just not configure.

- Huawei prefer 3. and CMCC don’t prefer option 1, prefers option 2

- Apple doesn’t want to revisit option 3 discussion. LG agrees

=> Noted

**Agreements**

1 The Cell DTX/DRX configuration is released upon RRC release to RRC\_INACTIVE

**Cell Switching OFF and CHO not executed**

[R2-2401361](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401361.zip) Cell Switch off and NES Mode Indication Lenovo, Motorola Mobility, Continental Automotive, Nokia, Nokia Shanghai Bell, BT Plc, Vodafone, Sony, Google, CEWiT, Deutsche Telekom, Ericsson, Samsung discussion Rel-18 Netw\_Energy\_NR-Core [R2-2400563](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400563.zip)

*Proposal 1: RAN2 kindly clarify following aspects related to the Cell Switch off:*

*a) if Cell Switch off means no transmission from the cell at all (no SSBs/ SI);*

- Qualcomm is concerned as we didn’t specify a procedure for the UE to switch off. Vodafone always thought that this just means the UE just turns off completely and will disappear. Interdigital explains that we never mention switch off, NES-mode indication. If there is no other cells then we just have RLF.

- Lenovo explains that the problem is that the UE doesn’t know if the U Eis switching off. Sony thinks that this NW implementation. LG thinks that the NW will stop transmitting SSB/SIB but it is already aware of what the implications of that are. Apple doesn’t think we need to differentiate. Oppo thinks that the UE should have a unified behaviour. Samsung is concerned as the network would be reluctant to turn off the cells. Qualcomm thinks that if there is a concern, then the network can wait for the successful HO from new target cell before switching off.

=> Understanding is that a cell switch off corresponds to a full switch off, but there is not specification impact.

*b) from UE perspective, is Cell Switching off immediate upon DCI 2\_9 (NES mode = enabled) reception or if a grace period will be used.*

Proposal 2: RAN2 kindly discuss the correct UE behaviour if in Scenario A: UE has received NES CHO configuration and later the DCI 2\_9 including NES mode indication (enabled) but there’s no triggered cell available.

Proposal 3: RAN2 kindly discuss the correct UE behaviour if in Scenario B: UE has received NES CHO configuration and a triggered cell is available. The DCI 2\_9 including NES mode indication (enabled) comes much later, at which point the previous triggering cell may no longer fulfill the NES CHO condition.

=> Noted

[R2-2401221](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401221.zip) NES CP Corrections Samsung discussion Rel-18

Proposal 3: Upon reception of DCI\_2\_9 indicating CHO trigger:

If CHO configuration for NES is not available or if CHO execution criteria is not met for at least one CHO target cell, UE immediately declares RLF.

=> Noted

**Cell DTX and UE support for Long CDRx**

[R2-2401100](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401100.zip) Discussion on Cell DTX/DRX UE capability CATT discussion Rel-18 Netw\_Energy\_NR-Core

=> Add the limitation that a UE supporting cell DTX shall also indicate support of longDRX-Cycle in the field description of nes-CellDTX-DRX to capture the agreement.

=> Noted

* [POST125][033][NES] UE capabilities (Vivo)

Intended outcome: Endorse UE capability draft CR 38.306

Deadline: short

**[X201]: Cell selection after NES CHO failure** – [Proposed Status: PropReject]

[R2-2400280](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400280.zip) [RIL-X201]Cell selection after NES CHO failure Xiaomi discussion Rel-18

*Proposal: The UE will not select source cell to perform RRC Reestablishment procedure after NES CHO failure.*

- CATT is ok with this clarification. Nokia thinks we shouldn’t impact the cell reselection and if this is the last cell we shouldn’t prevent the UE from reselecting.

=> Noted

Not treated

[R2-2400279](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400279.zip) [RIL-X203]Open issues on inter-band SSB-less SCell Xiaomi discussion Rel-18

[R2-2400191](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400191.zip) UE capability for SSB-less Scell Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2400495](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400495.zip) Cell Switch off and NES Mode Indication Lenovo, Motorola Mobility, Continental Automotive, Nokia, Nokia Shanghai Bell, BT Plc, Vodafone, Sony, Google, CEWiT discussion Rel-18 Netw\_Energy\_NR-Core Revised

[R2-2400508](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400508.zip) Cell Switch off and NES Mode Indication Lenovo, Motorola Mobility, Continental Automotive, Nokia, Nokia Shanghai Bell, BT Plc, Vodafone, Sony, Google, CEWiT, Deutsche Telekom discussion Rel-18 Netw\_Energy\_NR-Core [R2-2400495](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400495.zip) Revised

[R2-2400563](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400563.zip) Cell Switch off and NES Mode Indication Lenovo, Motorola Mobility, Continental Automotive, Nokia, Nokia Shanghai Bell, BT Plc, Vodafone, Sony, Google, CEWiT, Deutsche Telekom, Ericsson discussion Rel-18 Netw\_Energy\_NR-Core [R2-2400508](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400508.zip) Revised

[R2-2400590](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400590.zip) Open issue: mTRP and NES Ericsson discussion Rel-18 Netw\_Energy\_NR\_enh-Core

[R2-2400606](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400606.zip) Consideration on NES cell barring and cell DTX/DRX UE capability ZTE Corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2400607](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400607.zip) Correction on cell DTX/DRX in 38.300 ZTE Corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2400746](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400746.zip) Remaining Issues on Cell Selection and Re-Selection for NES Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

[R2-2400756](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400756.zip) Description of UE support for NW DTX-DRX Ericsson discussion

[R2-2400792](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400792.zip) Open Issues in NES CP Qualcomm Incorporated discussion Rel-18

[R2-2400861](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400861.zip) Cell barring for NES Cell DTX, Cell DRX, or both NEC discussion

[R2-2400919](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400919.zip) Control plane open issues on NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2400960](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400960.zip) cell barring for UEs capable of cell DTRX vivo discussion Rel-18

[R2-2401169](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401169.zip) CHO for NES and RLM Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2401456](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401456.zip) Remaining issues in Control Plane for NES InterDigital discussion Rel-18 Netw\_Energy\_NR-Core Late

### 7.3.6 Others

This will be downprioritized

## 7.4 Further NR mobility enhancements

(NR\_Mob\_enh2-Core; leading WG: RAN2; REL-18; WID:RP-223970, Exception Sheet: RP-233969)

Time budget: 2 TU

### 7.4.1 Maintenance

Tdoc Limitation: 5 tdocs

[R2-2400015](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400015.zip) Reply LS on L1 measurements for LTM (R1-2312443; contact: Ericsson) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2 Cc:RAN4

#### 7.4.1.1 Organizational

Including LSs.

[R2-2400029](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400029.zip) LS on MAC CE to activate/deactivate semi-persistent PUCCH report for LTM (R1-2312642; contact: Fujitsu) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

[R2-2400039](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400039.zip) Reply LS on subsequent CPAC (R3-237949; contact: ZTE) RAN3 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2

[R2-2400050](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400050.zip) Reply LS on L1 measurements for LTM (R4-2321388; contact: Ericsson) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2 Cc:RAN1

[R2-2400051](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400051.zip) LS on n-TimingAdvanceOffset for PDCCH order RACH (R4-2321389; contact: Huawei) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2 Cc:RAN1

[R2-2400271](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400271.zip) Discussion on RAN1 LS on Activation/Deactivation of SP PUCCH for LTM CATT, Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400814](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400814.zip) Reply LS on n-TimingAdvanceOffset for PDCCH order RACH Huawei, HiSillicon LS out Rel-18 NR\_Mob\_enh2-Core To:RAN1

[R2-2401382](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401382.zip) Miscellaneous corrections on further mobility enhancements in NR Ericsson CR Rel-18 38.331 18.0.0 4606 - F NR\_Mob\_enh2-Core

[R2-2401385](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401385.zip) RILs conclusions for feMob Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401386](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401386.zip) Discussion on RILs conclusion Mobillity Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

#### 7.4.1.2 Stage-2 Corrections

Corrections to 38300 and 37340 and stage-2 centric issues (including tdocs on stage-2 centric issue that also impact other TS).

[R2-2400140](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400140.zip) Discussion on stage-2 corrections for Rel-18 LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400310](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400310.zip) Miscellaneous corrections for NR further mobility enhancements in TS 37.340 ZTE Corporation, Sanechips CR Rel-18 37.340 18.0.0 0381 - F NR\_Mob\_enh2-Core

[R2-2400441](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400441.zip) Coexistence of LTM and other features vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400543](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400543.zip) Miscellaneous Corrections to LTM MediaTek Inc., vivo CR Rel-18 38.300 18.0.0 0786 - F NR\_Mob\_enh2-Core

[R2-2400576](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400576.zip) TA acquisition related open issues Rakuten Mobile, Inc discussion Rel-18

[R2-2400577](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400577.zip) Delayed Resource Reservation for inter gNB-DU LTM Rakuten Mobile, Inc discussion Rel-18

[R2-2400578](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400578.zip) Remaining open issues of L1/L2 Triggered Mobility Rakuten Mobile, Inc discussion Rel-18

[R2-2401061](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401061.zip) TA validity check for UE based TA measurement Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401140](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401140.zip) Discussion on S-CPAC and TP for TS 37.340 CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401381](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401381.zip) Stage-2 corrections for Rel-18 mobility enhancements Ericsson, Vodafone draftCR Rel-18 38.300 18.0.0 F NR\_Mob\_enh2-Core

[R2-2401470](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401470.zip) Stage-2 corrections for SCPAC OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

[R2-2401471](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401471.zip) Discussion on cross-feature issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

#### 7.4.1.3 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.

[R2-2400494](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400494.zip) Considerations on CHO with SCG(s) and Subsequent CPAC Samsung R&D Institute UK discussion

##### 7.4.1.3.1 L1L2 Triggered Mobility

[R2-2400165](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400165.zip) Tolerable key stream re-use Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400184](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400184.zip) Coexistence of LTM with other features Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400197](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400197.zip) Handling keystream reuse at recovery Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400209](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400209.zip) Discussion on key stream reuse during LTM fast recovery Transsion Holdings discussion Rel-18

[R2-2400221](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400221.zip) [B100] SCG LTM with fast MCG link recovery Lenovo, Samsung discussion Rel-18

[R2-2400222](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400222.zip) UE measured TA and No L2 reset in coexistence case of L3 handover and LTM Lenovo discussion Rel-18

[R2-2400275](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400275.zip) Issue on the association between CSI-RS and SSB of the LTM candidate cell CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400311](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400311.zip) Discussion on coexistence of LTM and other features ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400312](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400312.zip) Consideration on remaining issues for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400356](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400356.zip) RRC signaling related TCI state configurations Panasonic discussion

[R2-2400391](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400391.zip) [FeMob][Issue 4] Handling of key stream re-used in case of fast LTM recovery Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400442](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400442.zip) Discussion on the key stream reuse issue for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400443](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400443.zip) Discussion on the impact of s-Measure on L1 measurement vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400444](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400444.zip) [V121][V122]Unknown target configuration ID in LTM cell switch command vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400468](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400468.zip) Discussion on LTM remaining issues LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400492](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400492.zip) Discussion on remaining issues for LTM Samsung discussion

[R2-2400509](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400509.zip) Remaining issue for LTM NTTDOCOMO, INC. discussion Rel-18

[R2-2400574](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400574.zip) Discussion on coexistence of LTM with other features China Telecom discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400603](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400603.zip) Discussion on security issue of LTM NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400668](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400668.zip) On Reference Configuration in Rel-18 LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400795](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400795.zip) Views on fast cell recovery during LTM failures Panasonic discussion Rel-18

[R2-2400796](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400796.zip) PDCP keystream handling for LTM fast recovery Panasonic discussion Rel-18

[R2-2400806](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400806.zip) On the interworking of LTM with L3 Mobility and Dual Connectivity Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400807](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400807.zip) On the cell switch aspects in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400812](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400812.zip) RRC Remaining issues on LTM Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400815](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400815.zip) Early RACH for inter-DU LTM Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400816](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400816.zip) [H018][H035] LTM configuration Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400817](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400817.zip) [H020] SRB L2 behaviour Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400835](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400835.zip) Coexistence of LTM and other features Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400839](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400839.zip) Security issues during LTM failure recovery Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400840](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400840.zip) Draft LS on Key Stream Reuse during fast LTM recovery Interdigital, Inc. LS out Rel-18 NR\_Mob\_enh2-Core To:SA3

[R2-2400872](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400872.zip) Solutions for keystream reuse issue caused by fast LTM recovery Fujitsu discussion Rel-18

[R2-2400956](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400956.zip) Coexistence of LTM and Other Mobility Procedures and Features MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2

[R2-2401054](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401054.zip) Coexistence of LTM and other features Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401062](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401062.zip) Considerations on LTM related open issues Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401063](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401063.zip) [F015] Default value of n-TimingAdvanceOffset in IE EarlyUL-SyncConfig Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401123](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401123.zip) Keystream Reuse Issue in LTM Fast Recovery MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2

[R2-2401179](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401179.zip) Discussion on fast recovery and co-existence with other features Qualcomm Incorporated discussion

[R2-2401242](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401242.zip) Correction on 38.331 for LTM Langbo CR Rel-18 38.331 18.0.0 4592 - F NR\_Mob\_enh2-Core

[R2-2401284](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401284.zip) Discussion on keystream reuse issue at LTM fast recovery NTT DOCOMO, INC. discussion Rel-18

[R2-2401364](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401364.zip) Discussion on LTM candidate ID value range (G001) Google Inc. discussion Rel-18 38.331

[R2-2401379](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401379.zip) Co-existence of LTM with other features Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401383](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401383.zip) Clarify presence of securityConfig in case of LTM [E068] Ericsson draftCR Rel-18 38.331 18.0.0 F NR\_Mob\_enh2-Core

[R2-2401384](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401384.zip) Corrections on UE-based TA measurements [C113, Z051, B105, B202, C114, M002, B106, L005, Z030, C116, A702, Z059] Ericsson draftCR Rel-18 38.331 18.0.0 F NR\_Mob\_enh2-Core

[R2-2401468](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401468.zip) Discussion on RRC issues of LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

##### 7.4.1.3.2 Subsequent CPAC

[R2-2400185](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400185.zip) Open issues of L2 reset for subsequent CPAC Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400210](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400210.zip) Discussion on remaining issues in Subsequent CPAC Transsion Holdings discussion Rel-18

[R2-2400272](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400272.zip) [C109] MCG configuration handling upon Subsequent CPAC CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400273](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400273.zip) [C123] Execution Condition of Subsequent CPAC CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400274](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400274.zip) Open Issue on L2 Reset for Subsequent CPAC CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400313](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400313.zip) Consideration on remaining issues for subsequent CPAC ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400395](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400395.zip) Remaining issues in Subsequent CPAC Qualcomm Incorporated discussion Rel-18

[R2-2400445](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400445.zip) [V136] Execution condition for subsequent CPA vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400446](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400446.zip) [V135] Subsequent CPAC condition handling after execution vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400491](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400491.zip) [S792] SRB3 release during SCPAC and LTM Samsung discussion

[R2-2400604](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400604.zip) Remaining issue of subsequent CPAC including [E072] NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400788](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400788.zip) Open issues for subsequent CPAC Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400789](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400789.zip) Further issues for subsequent CPAC Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400836](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400836.zip) Subsequent CPAC L2 reset Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401014](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401014.zip) [C123][E072][V136] open issues related to SCPAC LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401037](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401037.zip) On remaining issues for SCPAC Nokia, Nokia Shanghai Bell discussion

[R2-2401055](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401055.zip) L2 reset in case of subsequent CPAC Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401185](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401185.zip) [C123][V136][V135] Execution condition update for subsequent CPAC MediaTek Inc. discussion NR\_Mob\_enh2-Core

[R2-2401472](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401472.zip) Discussion on the open issues for subsequent CPAC OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

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

[R2-2400669](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400669.zip) On the Remaining Issues for CHO with CPC in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

#### 7.4.1.4 MAC Corrections

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

[R2-2400139](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400139.zip) Miscellaneous CR for further mobility enhancements in MAC Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1733 - F NR\_Mob\_enh2-Core

[R2-2400141](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400141.zip) MAC remaining issues on LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400164](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400164.zip) Remaining MAC issues for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400196](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400196.zip) MAC corrections for LTM Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400276](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400276.zip) Issues on deactivation of TCI states of LTM candidate cell CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400319](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400319.zip) Need of RSRP checking for CFRA NEC discussion NR\_Mob\_enh2-Core

[R2-2400320](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400320.zip) MAC CE to activate-deactivate semi-persistent PUCCH report for LTM NEC discussion NR\_Mob\_enh2-Core

[R2-2400447](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400447.zip) Discussion on MAC open issues for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400482](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400482.zip) On serving cell TA issues with UE TA measurement Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400483](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400483.zip) TS38.321 TP on source cell TA update for UE based TA measurement Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400575](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400575.zip) Discussion on MAC CE to activate/deactivate semi-persistent PUCCH report for LTM China Telecom discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400837](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400837.zip) MAC CE to activate/deactivate semi-persistent PUCCH Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400879](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400879.zip) Discussion MAC CE for LTM NTPU discussion

[R2-2400880](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400880.zip) Discussion on remaining issues of RACH-less LTM cell switch NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400886](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400886.zip) Discussion on fallback RACH for LTM ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2400887](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400887.zip) Discussion on LTM candidate configuration for different CGs ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2400888](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400888.zip) Discussion on support for multi-TA candidate Cell in LTM ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2400889](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400889.zip) Discussion on early UL synchronization in LTM ASUSTeK discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2400957](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400957.zip) LTM MAC Open Issues MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2

[R2-2401044](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401044.zip) Considerations On Remaining MAC Issues For LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401045](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401045.zip) Miscellneous On MAC Spec for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401064](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401064.zip) Corrections to TS 38.321 on LTM Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401085](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401085.zip) Correction on PUSCH transmission during RACH-less LTM cell switch LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401086](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401086.zip) Consideration on MAC open issues for LTM LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401191](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401191.zip) Ongoing Random Access procedure handling for LTM Langbo discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2401194](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401194.zip) PREAMBLE\_POWER\_RAMPING\_COUNTER increment condition for LTM Langbo discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2401195](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401195.zip) PREAMBLE\_POWER\_RAMPING\_COUNTER reset condition for LTM Langbo discussion Rel-18 38.321 NR\_Mob\_enh2-Core

[R2-2401204](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401204.zip) Support of L1/L2 controlled LTM CSI reporting Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401380](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401380.zip) MAC remaining issues for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401469](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401469.zip) Discussion on MAC issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

[R2-2401477](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401477.zip) Discussion on MAC Issues for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core Late

#### 7.4.1.5 UE capabilities

Including outcome of [Post124][561][feMob] UE capability (Intel). Please input to the email discussion rather than inputing bu tdocs.

[R2-2400385](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400385.zip) Report of [Post124][561][feMob] UE capability (Intel) Intel Corporation report Rel-18 NR\_Mob\_enh2-Core

[R2-2400386](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400386.zip) Draft 331 CR for UE capability for feMob Intel Corporation draftCR Rel-18 38.331 18.0.0 NR\_Mob\_enh2-Core

[R2-2400387](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400387.zip) Draft 306 CR for UE capability for feMob Intel Corporation draftCR Rel-18 38.306 18.0.0 NR\_Mob\_enh2-Core

[R2-2400392](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400392.zip) Discussion on remaining open issues on UE capability for feMob Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.2 WI Open Parts

Tdoc Limitation: 1 tdoc (can have TPs with discussion document), Nokia to provide CRs.

Approved Exception Sheet in RP-233969:

Address WI objective#7, focus on solution based on existing measurement, as below:

- RAN2 to define time-based measurement result validation configuration based on RAN4 agreements.

- RAN2 signaling to enable reporting of cell reselection measurement or EMR for fast CA/DC setup.

- NOTE 1: RAN4 shall not work on any new requirements for this functionality in Rel-18. Only essential corrections are allowed.

- NOTE 2: If RAN2 is not able to complete the work, the functionality will be removed from Rel-18.

- NOTE 3: Existing measurement means that no additional measurement is performed during RRC Setup/Resume procedure.

Including outcome of [Post124][560][feMob] eEMR (Nokia).

[R2-2400166](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400166.zip) Discussion on eEMR SCell setup delay vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400186](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400186.zip) Discussion on improvement to SCell/SCG setup delay Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400277](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400277.zip) Discussion on Improvement to SCell SCG Setup Delay CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400314](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400314.zip) Discussion on SCell/SCG setup delay improvement ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400321](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400321.zip) Improvement to SCell-SCG setup delay NEC discussion NR\_Mob\_enh2-Core

[R2-2400496](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400496.zip) Analysis of Keystream reuse issue Lenovo, Motorola Mobility discussion NR\_Mob\_enh2-Core

[R2-2400790](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400790.zip) Discussion on early measurements enhancements Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400813](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400813.zip) Remaining issues on EMR Huawei, HiSillicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2400838](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400838.zip) Improvement on Scell/SCG setup/resume delay Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401149](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401149.zip) Discussion on fast SCell/SCG setup delay improvement CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401162](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401162.zip) Discussion on WI objective #7 extension MediaTek Inc. discussion NR\_Mob\_enh2-Core

[R2-2401172](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401172.zip) [Post123bis][551][feMob] eEMR SCell setup delay (Nokia) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2401231](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401231.zip) Enhancements of early measurement report for fast CA/DC setup LG Electronics Inc. discussion NR\_Mob\_enh2-Core

[R2-2401473](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401473.zip) Discussion on improvement to SCell/SCG setup delay OPPO discussion Rel-18 NR\_Mob\_enh2-Core Late

## 7.5 XR Enhancements for NR

(NR\_XR\_enh-Core; leading WG: RAN2; REL-18; WID: [RP-230786](file:///C:\Users\winee.lutchoomun\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\2024\Standards\R2_125\Review\tdocs_125\RP-230786.zip))

Time budget: 0 TU

Tdoc Limitation: 4 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))

**LS in**

[R2-2400069](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400069.zip) Reply LS on provisioning separate DL and UL PDU Set QoS Parameters to NG-RAN (S2-2313689; contact: Qualcomm) SA2

=> Noted

[R2-2400077](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400077.zip) Reply LS on XR awareness and LS on uplink PDU Set (S2-2401405; contact: vivo) SA2

=> Noted

[R2-2400079](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400079.zip) Reply LS on out of order reception for the end PDU of PDU Set/Data Burst (S2-2401841; contact: CMCC) SA2

=> Noted

[R2-2400088](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400088.zip) LS on out of order reception for the end PDU of PDU Set/Data Burst (S4-231955; contact: Huawei) SA4

- Futurewei indicates that this LS explains that there may be cases where PDUs are discarded out of order and the range indication for SN gap will not work.

=> Noted

**CR**

[R2-2400145](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400145.zip) Corrections to TS 38.321 (rapporteur's CR) Qualcomm Incorporated

=> The CR is endorsed and will updated with further RAN2#125 agreements

* [POST125][029][XR] CR to 38.321 ()

Intended outcome: Agree to CR

Deadline: Short

[R2-2400393](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400393.zip) 38.306 draftCR of UE Capability for XR Intel Corporation

=> The CR is endorsed and will updated with further RAN2#125 agreements

[R2-2400394](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400394.zip) 38.331 draftCR of UE Capability for XR Intel Corporation

=> The CR is endorsed and will updated with further RAN2#125 agreements

* [POST125][037][XR] UE capability (Inte;)

Intended outcome: endorse CRs

Deadline: Short

[R2-2400477](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400477.zip) Miscellaneous XR corrections Nokia (Rapporteur) CR Rel-18 38.300 18.0.0 0784 - F NR\_XR\_enh-Core

=> Revised in [R2-2401535](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401535.zip)

[R2-2401535](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401535.zip) Miscellaneous XR corrections Nokia (Rapporteur) CR Rel-18 38.300 18.0.0 0784 1 F NR\_XR\_enh-Core

=> The CR is revised in [R2-2401843](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401843.zip)

[R2-2401843](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401843.zip) Miscellaneous XR corrections Nokia (Rapporteur) CR Rel-18 38.300 18.0.0 0784 2 F NR\_XR\_enh-Core

- SDUs of lowest PDU set

=> The CR is agreed

* [POST125][031][XR] CR to 38.323 (LG)

Intended outcome: Agree to CR

Deadline: Short

**Open issues / Discussion**

[R2-2400448](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400448.zip) Discussion on UL PDU set based QoS handling based on SA2 LS vivo

*Proposal 1-1: Capture the behaviour that PDU Set based QoS handling and PDU Set QoS Parameters applying can be enabled if NG-RAN receives PDU set identification with value of True via UAI in RAN2 specification.*

*Proposal 1-2: RAN2 to discuss either to capture it in TS 38.331 (Annex A), or in TS 38.300 (Annex B).*

*Proposal 2: If Proposal 1-1 and 1-2 is not agreeable, a reply LS should be sent to SA2 to inform the decision in RAN2 and request them to update the specification accordingly. A draft reply LS is provided in Annex C.*

- Apple thinks that all this should be already there and anything here is gNB implementation. Xiaomi also thinks its network implementation

=> No further changes needed from RAN2 point of view

=> Noted

[R2-2400868](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400868.zip) XR Stage 2 Open Issues Nokia (Rapporteur)

=> Noted

**List of all agreements**

[R2-2400476](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400476.zip) XR Agreements Nokia (Rapporteur)

=> Noted

### 7.5.2     RRC corrections

Including RIL and UE capabiltiies

[R2-2401414](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401414.zip) XR RIL resolutions Huawei, HiSilicon

=> Noted

Agreements

1 The following PropAgree RILs are agreed: H550,V153, I113, V150, C242, H554, H555, F010, H558, X093, A500, F012, E160

2 The following PropReject RILs are rejected: V151, V152, V154, P003, W008, Q621, X092, T001, I136, Z390, C241, X103, W009

[R2-2401413](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401413.zip) Rapporteur RRC CR for XR Huawei, HiSilicon

=> The CR is endorsed and will be further updated based on RAN2#125 agreements

* [POST125][030][XR] CR to 38.331 (Huawei)

Intended outcome: Agree to CR

Deadline: Short

[R2-2401415](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401415.zip) Discussion on BAT definition [H551]          Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, OPPO   discussion        Rel-18   NR\_XR\_enh-Core

=> Remove the words “the average value of” from the BAT definition. The definition of the BAT in the field description is updated as the follows: “indicates the expected arrival time of the first packet of the Data Burst”.

=> Noted

[R2-2401422](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401422.zip) Discussion on the configuration for UTO-UCI [H552][H553][I136]     Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Xiaomi, Intel Corporation    discussion        Rel-18   NR\_XR\_enh-Core

=> Define an optional sequence type for the configuration of UTO-UCI, which includes nrofBitsInUTO-UCI and betaOffsetUTO-UCI as mandatory fields.

=> UTO-UCI can be configured regardless of the configuration of multi-PUSCH CG.

=> Noted

**ToDo RILs – high priority**

**[F011]**

[R2-2400547](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400547.zip) [F011] Corrections on the DRX configurations       Fujitsu  discussion        Rel-18   NR\_XR\_enh-Core

*Proposal 1: Support configuring integer Long DRX cycle with non-integer Short DRX cycle.*

*Proposal 2: Some new integer values for Long DRX cycles should be added. FFS on actual values.*

=> Noted

[R2-2401203](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401203.zip) Remaining issues on DRX for XR  China Telecom  discussion

=> Noted

*Discussion:*

- LG doesn’t think this is needed. Fujitsu would like to add at least a few values for future proof. MEdiatek doesn’t want to mix them together as they follow two different procedures in the MAC and we would have to do the wrap around issue for this as well. Huawei doesn’t think it is needed. We can add one long DRX cycle value that it is an integer of short that is missed

- Nokia thinks that this restriction is artificial. Qualcomm thinks that this is a good starting point. ZTE, Vivo thinks this is not needed.

[F011]

=> We will not support configuring integer Long DRX cycle with non-integer Short DRX cycle. Check if something needs to be updated in the spec

=> Add one value for long non-integer DRX cycle such that it is multiple of short non-integer Short DRX cycle (if needed – check offline if one is missing)

**[H391]**

[R2-2400389](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400389.zip) PSI Identification defined in UL traffic info. of UAI [Issue 4 on open issue list to 38.300, RIL: H399]    Intel Corporation, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Ericsson, Apple          discussion        Rel-18            NR\_XR\_enh-Core

=> Noted

**Agreements for H399**

1 A new PSI related indication (psiIdentification) is defined as a part of UL Traffic Information in UEAssistanceInformation message to indicate whether the UE is able to identify PSI for the associated QoS flow.

1.1 The field procedural text and field description of pduSetIdentification is reused for psiIdentification.

1.2 The field description of psiIdentification needs to also capture that pduSetIdentification shall be set to true in order for UE to also set psiIdentification to true.

1.3 Agree to the corresponding TPs shown in Annex for TS 38.331 and 38.306.

**[X091]**

[R2-2401181](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401181.zip) [X091] Unclear UL timing of BAT   Xiaomi Communications discussion

*Proposal 1. RAN2 is suggested to discuss whether Burst Arrival Time can be indicated to SN for NR DC case.*

*Proposal 2. If P1 is agreed, if burstArrivalTime is indicated as referenceSFN-AndSlot, it refers to the UL timing of the closest SFN and slot of the PCell with the indicated number when UE provides UL traffic information to MN and it refers to the UL timing of the closest SFN and slot of the PSCell with the indicated number when UE provides UL traffic information to SN.*

=> Noted

[R2-2400225](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400225.zip) Corrections for burst arrival time issue       Lenovo discussion        Rel-18

Proposal 1: RAN2 to discuss how to report the UL burst arrival time to MCG/SCG in case of NR-DC and to target cell in case of handover, e.g., the source gNB calculates the BAT used in target gNB according to the SFN timing different between source cell and target cell and sends the BAT used in target gNB to the target gNB.

=> Noted

*Discussion*

- Rapporteur (Nokia) ask if we want to support DC for release 18. Vodafone thinks that from operator point of view DC is important and we shouldn’t limit. Qualcomm and Huawei thinks that it is ok to see and address some DC issues. We don’t need to optimize.

- Huawei thinks we should address it but there may be a network solution on how to do it, and RAN3 can handle it.

- Lenovo thinks that this can be solved by network

=> [X091] RAN2 does not address this issue

**[X101]**

[R2-2400437](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400437.zip) [X101] Absence of traffic information of QoS flow   Xiaomi  discussion        Rel-18   NR\_XR\_enh-Core

*Proposal 1: Introduce clarification / mechanism to allow UE to report that UL traffic information for one QoS flow becomes unavailable.*

*There are several options to allow such reporting:*

*- Option 1: it can be clarified that if UE only reports qfi without reporting jitterRange, burstArrivalTime, and trafficPeriodicity, then the corresponding UL traffic information is not available.*

*- Option 2: a special value (e.g. 0) can be introduced for field trafficPeriodicity-r18 to indicate that the UL traffic information for the QoS flow becomes unavailable.*

*Proposal 2: RAN2 to down select between the following options to report that UL traffic information is unavailable for one QoS flow: 1) report QFI only; b) introduce special value for field trafficPeriodicity-r18.*

­- Nokia thinks that this was discussed already and what we have is fine. Huawei thinks that this is a problem of for periodicity case and if anything added it would be a code point value unknown for periodicity. Intel thinks that how UAI was defined is that if the value is empty it means it was previously reported and it is not valid anymore, so nothing needs to be done.

- Mediatek, Ericsson sees the value for periodicity to indicate uknown. Vivo thinks that this isn’t a real problem and we did discuss. Huawei thinks that it is an issue for the network to keep CG.

- Nokia doesn’t see an issue if the periodicity become uknown.

=> Nothing needs to be done.

=> Noted

---

**[X102]**

[R2-2400438](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400438.zip) [X102] Decoupling of BAT and XR assistance information  Xiaomi  discussion        Rel-18   NR\_XR\_enh-Core, TRS\_URLLC-NR-Core

*Proposal 1: RAN2 to confirm that in UL traffic information, qfi-r18, jitterRange-r18, burstArrivalTime-r18, and trafficPeriodicity-r18 are needed for URLLC BAT reporting, while pduSetIdentification-r18 is not.*

*Proposal 2: RAN2 to down select between options for UE capability for UL traffic information: A) remove PDU set identification related part from UE capability ul-TrafficInfo-r18; B) introduce a separate UE capability to report UL traffic information without PDU set identification.TP to TS 38.306 for Option A is provided in Annex.*

*TP to TS 38.306 for Option A is provided in Annex.*

*=> We will not modify*

Proposal 3: RAN2 to discuss whether to replace “Data Burst” with more generic term “data burst”.

Proposal 4: RAN2 to confirm that URLLC UEs reporting BAT may set pduSetIdentification to false. This does not have any specification impact.

=> Noted

**[I052]**

[R2-2400388](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400388.zip) [RIL I052] Initial/default behaviour of PDU Set identification Intel Corporation           discussion        Rel-18            NR\_XR\_enh-Core

*Specify as the default/initial value upon establishment of a new UL QoS flow, that a UE is* ***not*** *able to identify PDU Set related info. until UE indicates otherwise (i.e. by providing pduSetIdentification-r18 set to true provided in UEAssistanceInformation message. If this agreeable, to update the description of pduSetIdentification to capture this expected behaviour (e.g. as shown in above TP of option 2)).*

- Ericsson would like to rely on capabilities and not on UAI. Huawei doesn’t think we need to speficy anything. Nokia and Vivo thinks that it should be set to False so the network and UE are aligned.

=> [RIL I052] The default value of pduSetIdentification and PSIIdentification is set to false

=> Noted

**[V152]**

[R2-2400449](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400449.zip) [V152] Discussion on UAI reporting per QoS flow   vivo      discussion        Rel-18   NR\_XR\_enh-Core

=> Noted

**UE capabilities**

[R2-2400436](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400436.zip) UE capabilities for XR       Xiaomi  discussion        Rel-18   NR\_XR\_enh-Core

=> Rapporteur will update

=> Noted

[R2-2401419](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401419.zip) Discussion for the UE capability red to DRX enhancements             Huawei, HiSilicon          discussion   Rel-18   NR\_XR\_enh-Core

Proposal 1: The enhancedDRX-r18 capability should be renamed as non-IntegerDRX-r18.

Proposal 2: The non-IntegerDRX-r18 should only indicate whether the UE supports non-integer DRX periodicity as specified in TS 38.331 and TS 38.321.

Proposal 3: Move enhancedDRX-r18, additionalBSR-Table-r18, delayStatusReport-r18 and disableCG-RetransmissionMonitoring-r18 to “MAC parameters” section, and move pdu-SetDiscard-r18 and psi-BasedDiscard-r18 to “PDCP Parameters” section in TS 38.306 and TS 38.331.

- Intel (rapporteur) explains that there were companies that were concerned about the SFN wrap around.

=> Noted

Agreements

1: The enhancedDRX-r18 capability should be renamed as non-IntegerDRX-r18.

2: The non-IntegerDRX-r18 should only indicate whether the UE supports non-integer DRX periodicity as specified in TS 38.331 and TS 38.321.

3: Move enhancedDRX-r18, additionalBSR-Table-r18, delayStatusReport-r18 and disableCG-RetransmissionMonitoring-r18 to “MAC parameters” section, and move pdu-SetDiscard-r18 and psi-BasedDiscard-r18 to “PDCP Parameters” section in TS 38.306 and TS 38.331.

[R2-2400560](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400560.zip) Capability/UAI and RRC Issues     NEC     discussion        Rel-18   FS\_NR\_XR\_enh

=> Noted

[R2-2400561](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400561.zip) BSR Specific Issues NEC

- Nokia, Huwaei, Lenovo think this was already discussed and agreed.

=> W009 is updated to PropReject

=> Noted

### 7.5.3 User plane corrections

No documents should be submitted to 7.5.4. Please submit to 7.5.4.x

#### 7.5.3.1 BSR enhancements for XR

BSR specific corrections/open issues

**Whether Refined Long BSR can be used as a padding BSR**

[R2-2400146](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400146.zip) Correction to padding BSR with the refined BSR table Qualcomm Incorporated

*Proposal 1. When UE is to add a padding BSR, if there are enough bytes for either a legacy long BSR or a refined long BSR, UE includes a refined long BSR as padding if the same conditions for regular refined long BSR are met.*

*Proposal 2. Adopt the TP in the Appendix.*

=> Noted

[R2-2400982](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400982.zip) Remaining open issue on BSR LG Electronics Inc.

*Proposal 1. There is no need to use Refined Long BSR for padding BSR.*

=> Noted

Discussion

- Apple agrees with qualcomm but hopes the selection rules become a bit more simple, for example the data volume. Padding will be more common when compared to before. CATT, Vivo, agrees with Qualcomm. Vivo also thinks truncated BSR should be supported

**Inefficiency in BSR reporting when buffer size is above range of the new table**

[R2-2401366](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401366.zip) Discussion on BSR trigger Ericsson, Qualcomm, Apple, Intel Corporation

[*Proposal 1 Implement the TP provided in Annex.*](#_Toc158724550)

*allow reporting with Long BSR format in the case when a single LCG, that is configured with additionalBS-TableAllowed, has data and the buffer size is above the supported range of Table 6.1.3.1-3*

- Nokia wonders if the condition should be limited to the higher end of the table or more general and we check if the range is outside of the table. Ericsson thinks that this is sufficient. Nokia thinks that it is better to have the whole range. LG also agrees with proposal one and no need to expand to full range. Vivo thinks that the current range is not for some cases.

=> Noted

**Update of entries in additional BSR table**

[R2-2400975](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400975.zip) Remaining issues on BSR enhancements Nokia, Nokia Shanghai Bell

*Proposal 1: change the definition of the range for Table 6.1.3.1-3 index 0 to >4751 and ≤5000.*

- Qualcomm explains why it was selected that way was related to quantization error. If we were to change the preference is to only update one entry

=> Noted

[R2-2400665](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400665.zip) MAC BS table correction for Rel-18 XR Futurewei

*Proposal 1. Updating the buffer size values in Table 6.1.3.1-3 to avoid the partial overlap between the buffer size range of index 0 in Table 6.1.3.1-3 and that of any indices in Table 6.1.3.1-2.*

- Huawei thinks that futurewei’s approach is simpler and cleaner. ZTE agrees. Vivo thinks we need a new BSR table to support some of other use cases defined in other group (H.265).

=> Noted

**BSR cancelation**

[R2-2400327](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400327.zip) Discussing on issues on BSR DSR and proposed TP to MAC Xiaomi Communications discussion

*Proposal 1. A pending BSR is cancelled when the pending data available for transmission have been discarded*

- Ericsson thinks that for BSR it is different as for DSR you have only delay critical data and for BSR you may have more data. Xiaomi thinks that there is a possiblity that the buffer is empty. Now this is different because now we are discarding full sets.

- LG thinks that this was discussed and not adopted.

=> Not pursued

=> Noted

[R2-2400924](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400924.zip) Remaining Issues on BSR for Rel-18 XR Apple discussion Rel-18 NR\_XR\_enh-Core

*Proposal 3. The UE can cancel a pending BSR, and stop the on-going Random Access procedure (if any) due to pending SR for such BSR, when all the data associated to this pending BSR is discarded.*

=> Not pursued

=> Noted

**Agreements on BSR:**

1. When UE is to add a padding BSR, if there are enough bytes for either a legacy long BSR or a refined long BSR, UE includes a refined long BSR as padding if the same conditions for regular refined long BSR are met.

2 Change the definition of the range for Table 6.1.3.1-3 index 0 to >4751 and ≤5000. Add headers in table (if missing)

3 Allow reporting with Long BSR format in the case when a single LCG, that is configured with additionalBS-TableAllowed, has data and the buffer size is above the supported range of Table 6.1.3.1-3

Not treated

[R2-2400105](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400105.zip) Leftover Issues on BSR CATT

[R2-2400226](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400226.zip) Corrections for padding BSR for refined BSR Lenovo

[R2-2400327](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400327.zip) Discussing on issues on BSRDSR and proposed TP to MAC Xiaomi Communications

[R2-2400450](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400450.zip) Discussion on remaining issues and corrections for BSR vivo

[R2-2400487](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400487.zip) Open issues on the Padding BSR OPPO

[R2-2400549](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400549.zip) Refined Long BSR as the padding BSR Fujitsu

[R2-2400750](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400750.zip) Consideration on the BSR specific open issues ZTE Corporation, Sanechips

[R2-2400873](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400873.zip) Remaining issues on BSR DENSO CORPORATION

[R2-2400917](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400917.zip) Corrections on padding BSR for EoDB indication Samsung

[R2-2400924](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400924.zip) Remaining Issues on BSR for Rel-18 XR Apple

[R2-2401151](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401151.zip) Discussion on remaining open issue for BSR CMCC

#### 7.5.3.2 DSR

#### *DSR specific corrections/open issues*

**Applicability of SR mask and logicalchannelSRDelay timer**

[R2-2400925](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400925.zip) Remaining Issues on DSR for Rel-18 XR Apple

*Proposal 1: The UE does not start/restart the logicalChannelSR-DelayTimer when the LCH configured with logicalChannelSR-DelayTimerApplied triggers DSR.*

*Proposal 2: The UE can trigger a SR for DSR even if logicalChannelSR-DelayTimer is running. Alternatively, the UE can stop the running logicalChannelSR-DelayTimer when DSR is triggered.*

*Proposal 3: The triggering of SR for DSR is not affected by logicalChannelSR-Mask.*

=> Noted

[R2-2400291](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2400291.zip) Corrections for DSR procedure Samsung discussion Rel-18

*Proposal 6. SR triggering for DSR is subject to logicalChannelSR-DelayTimer and logicalChannelSR-Mask conditions, when configured.*

=> Noted

Discussions

- Vivo, Oppo, LG agrees to proposals from Apple and there is no spec impact.

- Huawei explains why these parameters were introduced, and the two motivations hold for XR services. Lenovo agrees to the reasons but that is exactly why it shouldn’t be introduced.

**DSR cancelation and RRC configuration disabling DSR**

[R2-2400976](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400976.zip) Remaining issues on DSR enhancements Nokia, Nokia Shanghai Bell

*Proposal 2: nothing needed for RRC disabling DSR. No spec impact.*

=> Noted

[R2-2400299](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400299.zip) Discussion on XR open issues Spreadtrum Communications

*Proposal 4: Pending DSRs should be cancelled when RRC disables DSR reporting.*

=> Noted

Discussions

- Mediatek, Lenovo thinks that nothing is broken if we don’t do anything

- Xiaomi thinks that BSR is different because we didn’t have a mechanism to enable/disable reporting. For PHR even if the RRC can enable/disable PHR reporting, it doesn’t have the SR procedure.

- Samsung thinks that there may be a problem as the reporting is per LCH so there may be reporting even if it is disabled.

- LG agrees with Nokia. If we agree to do something then we need to further discuss other cases.

**DSR cancelation relaxation**

[R2-2400147](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400147.zip) Discussion on cancelation of DSR MAC CE Qualcomm Incorporated, Apple, MediaTek

*Proposal 1. It is up to UE implementation whether to cancel DSR even if the MAC PDU can accommodate all the delay-critical data but is not sufficient to include the DSR MAC CE and its subheader.*

*Proposal 2. Adopt the TP in the Appendix.*

- Nokia thinks the current TP is relaxing all conditions so we need to update the TP.

=> Noted

**DSR cancelation and RACH**

[R2-2400369](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400369.zip) Corrections to the DSR procedure Lenovo discussion Rel-18 NR\_XR\_enh-Core

*Proposal 4. UE may stop an ongoing Random Access procedure due to a pending SR for DSR when a DSR MAC CE is transmitted in a MAC PDU using an UL grant, which is different than an UL grant provided by Random Access Response or determined for the transmission of the MSGA payload.*

- LG agrees with the intention

=> Noted

**Intra-UE prioritization and DSR**

[R2-2400489](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400489.zip) The impact on DSR due to intra-UE prioritization OPPO

[*Proposal 1 No impact is introduced on the remaining time determination for DSR due to intra-UE prioritization.*](#_Toc159158184)

=> Noted

[R2-2400874](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400874.zip) Remaining issues on DSR DENSO CORPORATION

*Proposal 3: The UE can avoid using CG resources configured with autonomousTx to send the DSR MAC CE.*

=> Noted

[R2-2400925](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400925.zip) Remaining Issues on DSR for Rel-18 XR Apple

Proposal 4: To avoid DSR in a MAC PDU become outdated due to autonomous transmission, RAN2 can consider the following options:

=> Noted

Discussion

*Option 1 - The UE does not multiplex DSR MAC CE into a CG resource configured with autonomousTX (Apple -* [*R2-2400925*](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400925.zip)*) (Denso -* [*R2-2400489*](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400489.zip)*)*

*Option 2 - The UE does not de-prioritize a MAC PDU of a CG resource configured with autonomousTX that carries a DSR MAC CE. (Apple -* [*R2-2400925*](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400925.zip)*)*

- Nokia thinks that none of these options are good and we have left to UE implementation. Qualcomm agrees with Oppo, if we leave it to UE implementation then the UE can rebuild MAC PDU.

**DSR remaining time calculation**

[R2-2400451](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400451.zip) Discussion on remaining issues and corrections for DSR vivo discussion Rel-18 NR\_XR\_enh-Core

*Proposal 1. For DSR report for an LCG, the UE should determine the smallest remaining time among the packets with running discardTimers for the LCG.*

- LG and Oppo agree with the intention but nothing needs to be specified.

- Huawei thinks we can just update the CR

=> Rapporteur will just update running CR with the word “running”

=> Noted

**Association between a SDU and DSR**

[R2-2400291](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400291.zip) Corrections for DSR procedure Samsung discussion Rel-18

*Proposal 3. Specify an additional condition that an SDU is considered to be associated with a pending DSR if it has not been transmitted in any MAC PDU.*

- LG agrees with proposals

- Vivo agrees but this is clear in RLC. Samsung doesn’t think that this is obvious.

=> Noted

**Agreements on DSR:**

1 The UE does not start/restart the logicalChannelSR-DelayTimer when the LCH configured with logicalChannelSR-DelayTimerApplied triggers DSR.

2 The UE can trigger a SR for DSR even if logicalChannelSR-DelayTimer is running.

3 The triggering of SR for DSR is not affected by logicalChannelSR-Mask.

4 When RRC disables DSR reporting nothing is needed to be specified in terms of DSR cancelation

5 It is up to UE implementation whether to cancel DSR even if the MAC PDU can accommodate all the delay-critical data but is not sufficient to include the DSR MAC CE and its subheader (i.e. similar to BSR). Update the TP to ensure that the relaxation is only for this case.

6 UE may stop an ongoing Random Access procedure due to a pending SR for DSR when a DSR MAC CE is transmitted in a MAC PDU using an UL grant, which is different than an UL grant provided by Random Access Response or determined for the transmission of the MSGA payload. Check TP offline

7 No impact is introduced on the remaining time determination for DSR due to intra-UE prioritization.

8 For DSR cancelation, An SDU is considered to be associated with a DSR if it has not been transmitted in any MAC PDU and it is associated with the LCG which triggered the DSR and the remaining value of its PDCP *discardTimer* is below *remainingTimeThreshold*.

**Remove/update "since the last Tx of DSR MAC CE" from the DSR triggering condition**

[R2-2400291](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400291.zip) Corrections for DSR procedure Samsung discussion Rel-18

Proposal 1. RAN2 to address ambiguity for DSR triggering when first DSR MAC CE is not yet transmitted.

=> Noted

[R2-2400550](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400550.zip) Discussions on DSR Fujitsu discussion Rel-18 NR\_XR\_enh-Core

Proposal 2. “since the last transmission of a DSR MAC CE” in the second condition of DSR trigger is removed or replaced with “since the last generation of a DSR MAC CE”.

=> Rapporteur will update the running CR

=> Noted

Not treated

[R2-2400106](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400106.zip) Further Discussion on DSR CATT

[R2-2400291](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400291.zip) Corrections for DSR procedure Samsung

[R2-2400299](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400299.zip) Discussion on XR open issues Spreadtrum Communications discussion Rel-18

[R2-2400369](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400369.zip) Corrections to the DSR procedure Lenovo

[R2-2400451](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400451.zip) Discussion on remaining issues and corrections for DSR vivo

[R2-2400488](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400488.zip) Discussion on the SR triggering for DSR OPPO

[R2-2400550](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400550.zip) Discussions on DSR Fujitsu

[R2-2400751](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400751.zip) Consideration on the DSR specific open issues ZTE Corporation, Sanechips

[R2-2400890](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400890.zip) Discussion on SR configuration for DSR MAC CE ASUSTeK

[R2-2400983](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400983.zip) Remaining open issue on DSR LG Electronics Inc.

[R2-2401417](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401417.zip) Discussion on triggerring and reporting DSR Huawei, HiSilicon

#### 7.5.3.3 PDCP and discard operation

*Including PDCP discard rx/tx window issue (i.e. sending PDCP discard notification to receiving entity), other discard operation, and any other PDCP corrections*

**Discard notification to PDCP receiving entity**

[R2-2401837](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401837.zip) PDCP SN Gap Reporting Intel Corporation, CATT, Fujitsu, Ericsson, Canon, Apple, InterDigital, Futurewei, Huawei, HiSilicon, ZTE, vivo, NTT DOCOMO, MediaTek Inc., Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

Proposal 1. To define a mechanism for PDCP Transmitter to report to PDCP Receiver about the gap on the PDCP SN (i.e., transmitting PDCP entity can inform the receiving PDCP entity about the discarded SDUs).

Proposal 2. To agree that the usage of a PDCP SN gap report is under network control (i.e. network configures UE whether/when PDCP SN gap report can be used).

Proposal 2.1. To confirm that the usage of a PDCP SN gap reporting is dependent or applicable only when outOfOrderDelivery is not configured.

Proposal 3. To agree on PDCP control PDU approach for transmitter to provide PDCP SN Gap reporting to receiver.

Proposal 3.1. To discuss whether to enable PDCP SN Gap reporting via: option (A.1) bitmap kind of information, or option (A.2) range kind of information.

Proposal 3.2. To discuss whether/which rules needs to be defined in PDCP transmitter entity to trigger PDCP SDU discard report considering e.g. (1) the PDCP entity discards SDU(s) which have not been transmitted (for UM DRBs) or acknowledged (for AM DRBs), due to the expiry of PDCP discard timer; and (2) there is a buffered SDU associated with an SN higher than the SN of the discarded SDU(s), as well as, related TPs included in [R2-2401420](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401420.zip), [R2-2400748](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400748.zip) and [R2-2313923](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313923.zip).

Proposal 3.3. To consider the related TPs included in [R2-2401420](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401420.zip), [R2-2400748](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400748.zip) and [R2-2313923](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313923.zip).

Proposal 4. To discuss whether to define a new UE capability to indicate the support of PDCP SN Gap reporting. If so, to discuss whether UE supporting PDCP SN Gap reporting shall also support pdu-SetDiscard-r18 and/or psi-BasedDiscard-r18.

=> Noted

[R2-2400440](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400440.zip) Need for PDCP discard notifications to receiving PDCP entity LG Electronics, Xiaomi, NEC, Oppo, Samsung

Proposal: Do not consider discard notification mechanism unless a real issue is identified.

=> Noted

[R2-2400748](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400748.zip) PDCP discard notification for XR ZTE Corporation, Sanechips, Futurewei, Canon

Proposal 1: When configured to do so, the transmitting PDCP entity informs the receiving PDCP entity about the discarded PDCP PDUs

=> Noted

*Notification details - control or data PDU*

Not treated

[R2-2400748](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400748.zip) PDCP discard notification for XR ZTE Corporation, Sanechips, Futurewei, Canon

Proposal 2: Use control PDU for PDCP PDU discard notification.

[R2-2400478](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400478.zip) PDCP Discarding Issues Nokia, Nokia Shanghai Bell

Proposal 3: discarding is indicated to the receiving PDCP entity in the Data-PDU header.

Proposal 4: the PDCP Data-PDU header indicates how many PDUs with consecutive associated COUNT values immediately preceding this PDU the data-receiving PDCP entity should not expect to receive.

Proposal 5: the new indication of discarded PDUs in the PDCP Data-PDU header is not integrity-protected (like the same indication in a PDCP control PDU would not be).

*Format/content of notification*

Not treated

[R2-2400902](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400902.zip) PDCP discard operation MediaTek Inc.

Proposal 1: PDCP notification report include first SN of discard PDCP SDU.

Proposal 2: RAN2 to discuss how to indicate the remaining discard PDCP SDU in PDCP notification report.

Option 1: Similar to PDCP status report, use bitmap to indicate the following COUNT is discarded or not.

Option 2: Indicate the first and last COUNT of discarded PDCP SDU.

Option 3: Indicate the first COUNT of discarded PDCP SDU and number of discarded PDCP SDU.

[R2-2401863](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401863.zip) SN Gap analysis LG Electronics discussion Rel-18 NR\_XR\_enh-Core

- Ericsson thinks that this papers shows that there is a delay reduction and it is beneficial for larger t-reordering time.

- Nokia thinks that there are some assumptions on how SDUs end up in TBs and whether we have one or more.

- Nokia explains that in the UL we can’t ensure that the control PDU is prioritized but in the DL we can do something.

- ZTE thinks that we can address LG’s concern by specifying that if there are gaps we trigger a control PDU.

=> Noted

**Agreements**

1. To define a mechanism for PDCP Transmitter to report to PDCP Receiver about the gap on the PDCP SN (i.e., transmitting PDCP entity can inform the receiving PDCP entity about the discarded SDUs).

2 To agree that the usage of a PDCP SN gap report is under network control (i.e. network configures UE whether/when PDCP SN gap report can be used). The UE should report only if there gaps (i.e. if the UE does re-association and there are not gaps, the UE is not required to transmit).

3 Define a new UE capability to indicate the support of PDCP SN Gap reporting.

* [POST125][017][XR] PDCP report (Ericsson)

Intended outcome: Start with joint paper proposal to get further inputs from companies that haven’t yet provided their views, suggest and review the TP.

Deadline: Long

**Initial state of the PSI based SDU discard**

[R2-2401418](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401418.zip) Initial state for PSI-based SDU discard [H559] Huawei, HiSilicon, Ericsson

*Network indicates the initial activation/deactivation state of PSI-based SDU discard using RRC signalling.*

- Nokia doesn’t think this is needed and a MAC CE can be send, this is different than duplication as we anyways have a normal discard timer. Mediatek, Xiaomi, agrees with Nokia and would not like to reopen the discussion

- Oppo thinks we should the same thing as PDCP duplication.

- Huawei explains that the CR gives the option for the network to include the indication. Ericsson agrees with Huawei.

=> Keep current agreement

=> Noted

**PSI-Based discard Activation/Deactivation MAC CE**

[R2-2400325](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400325.zip) PSI-Based discard Activation-Deactivation MAC CE and proposed TP Xiaomi Communications, Qualcomm

*Proposal 1: For PSI-Based SDU Discard Activation/Deactivation MAC CE, Di field indicates the activation/deactivation status of the PSI-based SDU discard of DRB i, where i is the ascending order of the DRB ID among the DRBs configured with PSI-based SDU discard and with RLC entity(ies) associated with this MAC entity.*

- Nokia agrees.

- LG thinks that this is different from duplication. For duplication it makes sense that the network can control the path. Also the discard is done per DRB and we should consider all DRBs. Xiaomi explains that this is not linked to split DRB.

- Huawei, and CATT agrees with Xiaomi

=> Noted

**Issue 5: DSR and PSI based discarding**

[R2-2400976](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400976.zip) Remaining issues on DSR enhancements Nokia, Nokia Shanghai Bell

Proposal 5: On a DRB where PSI-based discarding is activated, PDU sets with low importance are not reported in DSR.

Proposal 6: DSR is triggered also when PSI-based discarding is activated for a DRB.

=> Noted

**DSR and low importance data**

[R2-2401367](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401367.zip) Discussion on Delay-critical PDCP data Ericsson

*Observation 1 Current solution can lead to inaccurate scheduling and potential delays of high importance data.*

*Observation 2 One possible solution is to redefine the definition of Delay-critical PDCP SDU and Remaining Time.*

*Observation 3 Another solution is to make it conditional when low importance data is included in the Delay-critical data volume.*

*Observation 4 A more flexible solution is to include indication in the DSR what importance data is included in the report.*

=> Noted

[R2-2400562](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400562.zip) Delay Critical Data and PSI-based Discard NEC

Proposal 1 The network configure a UE with a discard threshold instead of DiscardTimerForLowImportance: In case of congestion, UE shall discard the less important PDUs if its running discard timer is less than/reaches the discard threshold.

=> Noted

[R2-2400453](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400453.zip) Discussion on remaining issues and corrections for discard vivo

Proposal 5: No further enhancement on DSR is pursed when PSI discard mechanism is configured. No spec impacts.

=> Noted

Discussion

- Mediatek, Vivo, Oppo, Apple agrees that for Rel-18 we shouldn’t do anything. CMCC thinks that we have this in Rel-19.

- LG thinks that we may consider the inclusion of low importance data in the DSR as it does take up grant. We shouldn’t consider the grant thought

- Nokia proposes to not include but we need to clarify the lowimportance discard timer.

- Qualcomm thinks we need to do something and prefers Nokia’s proposal to not report low importance data

**QoS flow remmaping**

[R2-2400891](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400891.zip) Clarification on PDU Set discard handling when QoS flow remapping ASUSTeK

Proposal 1 When a timer *discardTimerForLowImportance* for a PDU Set expires on a DRB, remaining PDUs of the same PDU set delivered to another DRB shall be also discarded.

- Xiaomi thinks that we should consider this in Rel-19

- Qualcomm thinks that the principle

=> We can only remap the boundaries of the PDU set

=> Noted

**Split DRB DSR reporting**

[R2-2400439](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400439.zip) PDCP open issue: Data volume calculation for DSR when associated with at least two RLC entities LG Electronics

*Proposal 1: DSR can be configured with duplicated DRBs. However, DSR is not configured with split DRBs*

*Proposal 2: Same data volume calculation procedure for BSR is applied for DSR.*

*However, if RAN2 decides to support split DRBs for DSR, we have following proposals:*

*Proposal 3: If split DRB is supported for DSR, delay-critical data volume is always reported for the primary RLC entity.*

*Proposal 4: If split DRB is supported for DSR, delay-critical data is always transmitted using the primary RLC entity.*

=> Noted

[R2-2400370](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400370.zip) PDCP corrections and open issues Lenovo

Proposal 5: RAN2 to discuss which option to use for the DSR data volume calculation, e.g. to decide whether the delay-critical PDCP data volume is indicated only to the primary MAC entity or also to the secondary MAC entity:

*Option 1:* *total amount of PDCP data volume and RLC data volume pending for initial transmission in the primary RLC entity and the split secondary RLC entity is used for comparison against threshold*

*Option 2: total amount of delay-critical PDCP data volume and delay-critical RLC data volume pending for initial transmission in the primary RLC entity and the split secondary RLC entity is used for comparison against threshold*

*Option 3: delay-critical PDCP data volume is always indicated to MAC entity associated with the primary RLC entity and the MAC entity associated with the split secondary RLC entity, i.e. no threshold comparison*

=> Noted

Discussion

- Xiaomi asks if we should also consider the DAPS.

- Huawei, Nokia supports doing what we do for BSR (Option 1 – Lenovo)

- Qualcomm thinks that we should have a separate split threshold. Nokia doesn’t understand why we would have a separate one. Qualcomm thinks that the urgency of DSR is different so it makes sense to have a small threshold so the DSR can be sent on both legs. Nokia doesn’t think that this doesn’t help as data transmission is based on legacy threshold.

**Agreements:**

1 For PSI-Based SDU Discard Activation/Deactivation MAC CE, Di field indicates the activation/deactivation status of the PSI-based SDU discard of DRB i, where i is the ascending order of the DRB ID among the DRBs configured with PSI-based SDU discard and with RLC entity(ies) associated with this MAC entity.

2 Keep current assumption that we don’t report low importance data, no change to current spec.

3 We can only remap the boundaries of the PDU set and no specification change is needed

4 total amount of PDCP data volume and RLC data volume pending for initial transmission in the primary RLC entity and the split secondary RLC entity is used for comparison against legacy split threshold (i.e. same as BSR framework)

Noted

[R2-2400390](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400390.zip) PDCP SN Gap Notification Intel Corporation

[R2-2400452](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400452.zip) Discussion on PDCP discard notification to receiver vivo

[R2-2400480](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400480.zip) Corrections and Considerations for PDCP and Discard Operation Samsung

[R2-2400666](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400666.zip) Miscellaneous PDCP corrections for Rel-18 XR Futurewei

[R2-2400797](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400797.zip) Indication of PDCP SN Gaps Ericsson

[R2-2400834](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400834.zip) Discussion on SN gap issue CANON Research Centre France

[R2-2400845](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400845.zip) PDCP and discard operation InterDigital

[R2-2400926](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400926.zip) Views on PDCP Discard Notification for Rel-18 XR Apple

[R2-2401326](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401326.zip) On PDCP Discard Notification for XR Google Inc.

[R2-2401420](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401420.zip) Discussion on receiving window update for PDCP discard Huawei, HiSilicon

[R2-2401443](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401443.zip) Discussion on PDCP discard notification NTT DOCOMO INC..

[R2-2401448](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401448.zip) Remaining issues related to PDCP discard Sony

#### 7.5.3.4 Others

**Initialization of SFN counter**

[R2-2401416](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401416.zip) DRX\_SFN\_COUNTER initialization issue for SFN wrap-around [H556] Huawei, HiSilicon, Ericsson, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, ZTE Corporation, Sanechips, LGE discussion Rel-18 NR\_XR\_enh-Core

*Proposal 1. Address the issue of DRX-config crossing the H-SFN boundary:*

*Initialize DRX\_SFN\_COUNTER to 1 when the DRX-config RRC signalling containing drx-TimeReferenceSFN is received during the first half of a hyper frame (SFN is between 0 and 511).*

*Otherwise, initialize DRX\_SFN\_COUNTER to 0.*

*Proposal 2. Discuss whether the initialization of the DRX\_SFN\_COUNTER should be captured in MAC or in RRC specification.*

=> Noted

[R2-2400357](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400357.zip) Remaining issues on non-integer DRX cycle NEC Corporation discussion Rel-18 NR\_XR\_enh-Core

*Proposal 2. On how to set DRX\_SFN\_COUNTER to resolve ambiguity issue, it’s better to respect the agreement made in RAN2#123 meeting, that drx-TimeReferenceSFN is added to the DRX formula and DRX\_SFN\_COUNTER is initialized to 0. Down-select between:*

*Option 1: Initialize DRX\_SFN\_COUNTER at SFN before RRC configuration and infer the DRX\_SFN\_COUNTER at SFN after RRC configuration.*

*Option 2: Initialize DRX\_SFN\_COUNTER at SFN only after RRC configuration.*

=> Noted

**Agreements**

1 Address the issue of DRX-config crossing the H-SFN boundary:

Initialize DRX\_SFN\_COUNTER to 1 when the DRX-config RRC signalling containing drx-TimeReferenceSFN is received during the first half of a hyper frame (SFN is between 0 and 511).

Otherwise, initialize DRX\_SFN\_COUNTER to 0.

**Configuration of Reference SFN during handover**

[R2-2400378](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400378.zip) Other MAC corrections for XR Samsung discussion Rel-18 NR\_XR\_enh

Proposal 1: RAN2 is kindly asked to add clarification for the initialization of DRX\_SFN\_COUNTER by considering the handover.

Proposal 2: RAN2 is kindly asked to discuss how to resolve the issue of incorrect setting of drx-TimeReferenceSFN during (conditional) handover/LTM cell switch by considering the following options:

Option 1: the configuration of drx-TimeReferenceSFN is disallowed in RRCReconfiguration message for handover

Option 2: the drx-TimeReferenceSFN is reconfigured by RRC when the UE accesses to the target cell.

Option 3: the target gNB sends a new MAC CE to indicate the new drx-TimeReferenceSFN.

- Samsung thinks option 1 or 2 is simplest

- Qualcomm, Mediatek, Oppo, lenovo, Huawei thinks it can be handle by network implmeentation.

=> Up to network implementation with no specification impact

=> Noted

**Non-integer short DRX cycle with integer long DRX cycles**

[R2-2400749](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400749.zip) Non-Integer C-DRX cycle related issues ZTE Corporation, Sanechips discussion

Proposal 4: Integer Long DRX cycle with non-integer Short DRX cycle is not supported.

[R2-2400548](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400548.zip) Corrections on the DRX operations Fujitsu discussion Rel-18 NR\_XR\_enh-Core

*Proposal 1. Support configuring integer Long DRX cycle with non-integer Short DRX cycle.*

*=> Not treated*

**HARQ formula for multi-PUSCH CG**

[R2-2400896](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400896.zip) Consideration on remaining issues in XR LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

*Proposal 1. For Multi-PUSCH CG, CURRENT\_symbol is defined as a first CG PUSCH occasion within a periodicity.*

- Nokia explains that this spec already says that it is the first occasion.

=> Noted

**Agreements**

1. For Multi-PUSCH CG, CURRENT\_symbol is defined as a first CG PUSCH occasion within a periodicity.

**Determination of unused CG occasions**

[R2-2400148](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400148.zip) Correction to the determination of unused CG occasions Qualcomm Incorporated, Apple, MediaTek discussion Rel-18 38.321 NR\_XR\_enh-Core

*Proposal 1. Change the verbal form for the determination of unused CG occasions in the current spec from the indicative mode to a permissible form.*

*Proposal 2. Remove the restriction of only considering the already buffered data in UE's determination of unused CG occasions.*

- Ericsson, Nokia don’t think it should be a may. Vivo supports the proposals. Mediatek thinks the may add value. ZTE thinks that we should only capture the exception with a may and not everything. Huawei agrees with Ericsson and Nokia, if we leave it UE implementation this is useless.

- Samsung thinks that there may be no future data available so we should mandate the UE to determine future. Apple indicates that UEs can have different capabilities.

=> revise next meeting to only make the future buffer data determination a “may”.

=> noted

[R2-2401421](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401421.zip) Discussion on the UTO-UCI MAC procedures Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

Proposal 1. The MAC entity shall determine UTO-UCI at the specific point in time when the multiplexed CG occasion is being assembled.

- LG thinks this is related to the previous discussion.

=> Noted

[R2-2400490](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400490.zip) Open issues on the CG enhancement OPPO discussion Rel-18 NR\_XR\_enh-Core

*Proposal 1 Update the MAC spec to explicitly exclude UTO-UCI from the uplink skipping operation, i.e. if uplink skipping is enabled and no data is available for a CG PUSCH configured with UTO-UCI transmission, the MAC does not generate a MAC PDU for this CG PUSCH in the case of no other UCI to be multiplexed on this CG PUSCH.*

- Samsung, Xiaomi, Nokia, Lenovo thinks that this is the same as CG-UCI, RAN spec is clear.

- Ericsson, Huawei, agrees, users don’t have good definitions of what it is. Sony thinks this CR is correct.

- Samsung thinks that the current proposals would even change legacy spec.

=> Noted

**Intra-UE prioritization and unused CG occasions**

[R2-2400927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400927.zip) Views on Unused and Invalid CG Occasions Apple discussion Rel-18 NR\_XR\_enh-Core

*Proposal 2. RAN2 should confirm that, when the SR-PUCCH overlaps with a UL-SCH resource corresponding to an unused/invalid CG occasion, the SR is prioritized.*

- Lenovo, Oppo, LG thinks this is correct and no MAC spec changes are needed

- Samsung explains that this depends on the release. Only in Rel-16 an SR can be prioritized and it is based on LCH priority.

=> Noted

Not treated

[R2-2400107](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400107.zip) Issues on Configured Grant and Non-integer DRX Cycle CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2400108](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400108.zip) Definition Correction for PSDB and PSER in TS38.300 CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2400148](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400148.zip) Correction to the determination of unused CG occasions Qualcomm Incorporated, Apple, MediaTek discussion Rel-18 38.321 NR\_XR\_enh-Core

[R2-2400357](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400357.zip) Remaining issues on non-integer DRX cycle NEC Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2400378](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400378.zip) Other MAC corrections for XR Samsung discussion Rel-18 NR\_XR\_enh

[R2-2400490](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400490.zip) Open issues on the CG enhancement OPPO discussion Rel-18 NR\_XR\_enh-Core

[R2-2400548](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400548.zip) Corrections on the DRX operations Fujitsu discussion Rel-18 NR\_XR\_enh-Core

[R2-2400749](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400749.zip) Non-Integer C-DRX cycle related issues ZTE Corporation, Sanechips discussion

[R2-2400896](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400896.zip) Consideration on remaining issues in XR LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2400927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400927.zip) Views on Unused and Invalid CG Occasions Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2401210](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401210.zip) Open issues on DRX for XR China Telecom discussion

[R2-2401329](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401329.zip) Remaining issues for XR enhancement Google Inc. discussion

[R2-2401416](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401416.zip) DRX\_SFN\_COUNTER initialization issue for SFN wrap-around [H556] Huawei, HiSilicon, Ericsson, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, ZTE Corporation, Sanechips, LGE discussion Rel-18 NR\_XR\_enh-Core

[R2-2401421](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401421.zip) Discussion on the UTO-UCI MAC procedures Huawei, HiSilicon 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: 4 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.

[R2-2400005](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400005.zip) LS on UE Location Information for NB-IoT NTN (C1-239363; contact: Ericsson) CT1 LS in Rel-18 IoT\_NTN\_enh To:RAN2, SA2 Cc:RAN3

[R2-2400022](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400022.zip) LS on Rel-18 RAN1 UE features list for LTE after RAN1#115 (R1-2312571; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-18 IoT\_NTN\_enh To:RAN2 Cc:RAN4

[R2-2400034](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400034.zip) LS on improved GNSS operations in Rel-18 IoT NTN (R1-2312696; contact: MediaTek) RAN1 LS in Rel-18 IoT\_NTN\_enh-Core To:RAN2

[R2-2400071](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400071.zip) Reply LS on misalignment between PTW and Coverage Window (S2-2313795; contact: Huawei) SA2 LS in Rel-18 IoT\_NTN\_enh-Core To:RAN2

[R2-2400692](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400692.zip) Corrections to IOT NTN Huawei, HiSilicon CR Rel-18 36.331 18.0.0 4990 - F IoT\_NTN\_enh-Core

[R2-2400693](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400693.zip) IOT NTN ASN1 RIL List Huawei, HiSilicon report Rel-18 IoT\_NTN\_enh-Core

[R2-2400694](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400694.zip) RRC open issue list Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.2 Stage 2 corrections

[R2-2400715](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400715.zip) GNSS validity duration and duration X PANASONIC discussion

[R2-2401127](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401127.zip) Discussion on stage 2 open issue UE behavior at failed GNSS acquisition Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401280](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401280.zip) Correction to Stage 2 on IoT NTN Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0803 - F LTE\_NBIOT\_eMTC\_NTN Withdrawn

[R2-2401402](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401402.zip) R18 IoT NTN corrections to stage 2 Ericsson CR Rel-18 36.300 18.0.0 1396 - F IoT\_NTN\_enh-Core

[R2-2401461](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401461.zip) Correction to Stage 2 on IoT NTN Huawei, HiSilicon CR Rel-18 36.300 18.0.0 1397 - F LTE\_NBIOT\_eMTC\_NTN Late

=> Revised in [R2-2401514](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401514.zip)

[R2-2401514](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401514.zip) Correction to Stage 2 on IoT NTN Huawei, HiSilicon CR Rel-18 36.300 18.0.0 1397 1 F IoT\_NTN\_enh-Core Late

[R2-2401463](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401463.zip) Miscellaneous corrections for IoT NTN Samsung discussion Rel-18 IoT\_NTN\_enh-Core Late

### 7.6.3 RRC Corrections

[R2-2400117](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400117.zip) Discussion on CHO within UL Transmission Extention vivo discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400118](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400118.zip) Remaining Issues on Location Based CHO vivo discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400119](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400119.zip) [V502] Remaining Issues on Autonomous GNSS Measurement vivo discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400193](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400193.zip) [H001] Clarification for CondEvent D1 Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400194](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400194.zip) [H002] UE capability differentiation for GSO and NGSO Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400253](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400253.zip) [C601] TP on CHO recovery for time-based CHO in Rel-18 IoT NTN CATT discussion

[R2-2400254](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400254.zip) [C603] Corrections on location-based CHO for earth moving cell CATT discussion

[R2-2400255](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400255.zip) [C600] Remaining issues on UL transmission extension timer handling after GNSS expiry CATT discussion

[R2-2400287](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400287.zip) Discussion on IOT NTN RRC open issues Xiaomi discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400429](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400429.zip) Discussions of Remaining RRC Corrections in IoT-NTN MediaTek Inc. discussion

[R2-2400499](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400499.zip) Open Issues on the GNSS Operation Enhancements Google Inc. discussion Rel-18

[R2-2400502](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400502.zip) Corrections Relevant to the RRC Connection Release Google Inc. discussion Rel-18

[R2-2400846](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400846.zip) RRC Corrections and discussion on RILs Samsung discussion Rel-18 IoT\_NTN\_enh

[R2-2400856](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400856.zip) Discussion on RIL Q631 Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400859](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400859.zip) Leftover issue on UE Autonomous release in moving cell Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401128](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401128.zip) On RIL [N015] Location-based CHO evaluation in duration X Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401139](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401139.zip) Discussion on IoT-NTN and TP for TS 36.331 CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401232](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401232.zip) RRC corrections on GNSS enhancements for IoT NTN (RILZ364, Z365) ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401234](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401234.zip) RRC corrections on other aspects for IoT NTN (RILZ367) ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401294](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401294.zip) Remaining issues on GNSS fix Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2401494](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401494.zip) [S061][S063] Correction on SatelliteInfo frequency lists Samsung discussion Rel-18 IoT\_NTN\_enh-Core Late

### 7.6.4 MAC corrections

[R2-2400120](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400120.zip) Remaining Issues on UL Transmission Extention vivo discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400121](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400121.zip) Remaining Issues on GNSS Validity Duration Reporting vivo discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400211](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400211.zip) Discussion on remaining issues on HARQ enhancements Transsion Holdings discussion Rel-18

[R2-2400286](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400286.zip) Discussion on IOT NTN MAC open issues Xiaomi discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2400428](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400428.zip) Discussion on MAC corrections on Rel-18 IoT-NTN MediaTek Inc. discussion

[R2-2400858](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400858.zip) Open issue: DRX inactivity timer start Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401001](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401001.zip) Discussion on HARQ enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401002](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401002.zip) Discussion on remaining open issues on GNSS enhancement OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401003](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401003.zip) DRAFT LS on GNSS validity duration OPPO LS out Rel-18 IoT\_NTN\_enh-Core To:RAN1

[R2-2401004](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401004.zip) Discussion on open issues for discontinuous coverage OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401129](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401129.zip) Correction to 36.321 on GNSS validity duration reporting Nokia, Nokia Shanghai Bell CR Rel-18 36.321 18.0.0 1581 - F IoT\_NTN\_enh-Core

[R2-2401130](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401130.zip) Discussion on MAC open issues for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401138](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401138.zip) Discussion on IoT-NTN and TP for TS 36.321 CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401235](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401235.zip) Remaining issues of MAC spec for IoT NTN ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401279](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401279.zip) Correction on GNSS validity duration reporting Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1769 - F LTE\_NBIOT\_eMTC\_NTN Withdrawn

[R2-2401295](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401295.zip) New MAC CE for UL transmission extension Y Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2401459](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401459.zip) Correction on GNSS validity duration reporting Huawei, HiSilicon CR Rel-18 36.321 18.0.0 1582 - F IoT\_NTN\_enh-Core Late

=> Revised in [R2-2401515](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401515.zip)

[R2-2401515](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401515.zip) Correction on GNSS validity duration reporting Huawei, HiSilicon CR Rel-18 36.321 18.0.0 1582 1 F IoT\_NTN\_enh-Core Late

### 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

[R2-2400252](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400252.zip) Corrections on location based cell reselection for IoT NTN in TS 36.304 CATT discussion

[R2-2400847](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400847.zip) On uplink transmission extension and related RILs Samsung discussion Rel-18 IoT\_NTN\_enh

[R2-2400848](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400848.zip) On GNSS measurements during C-DRX Samsung discussion Rel-18 IoT\_NTN\_enh

[R2-2400857](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400857.zip) Open issues on out-of-date GNSS fix Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401041](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401041.zip) Clarifications for GNSS measurement related UE capabilities Nokia, Nokia Shanghai Bell discussion

[R2-2401043](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401043.zip) Miscellanious corrections for IoT-NTN Nokia Solutions & Networks (I) CR Rel-18 36.304 18.0.0 IoT\_NTN\_enh-Core 0871 - F

[R2-2401238](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401238.zip) Corrections on UE capability for IoT NTN ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2401277](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401277.zip) Open issues on GNSS enhancements Huawei, HiSilicon discussion Rel-18 LTE\_NBIOT\_eMTC\_NTN

[R2-2401278](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401278.zip) Remaining issues on discontinous coverage Huawei, HiSilicon discussion Rel-18 LTE\_NBIOT\_eMTC\_NTN

[R2-2401401](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401401.zip) R18 IoT NTN GNSS extension Ericsson 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: 4 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.

[R2-2400033](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400033.zip) LS on NR-NTN TP for TS 38.300 (R1-2312681; contact: Thales RAN1 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2

[R2-2400036](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400036.zip) LS on OAM requirements for UE location verification (R3-238056; contact: CATT) RAN1 LS in Rel-18 NR\_NTN\_enh-Core To:SA5 Cc:SA2, RAN1, RAN2

[R2-2400045](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400045.zip) Reply LS on NW verified UE location failure during cell change (R3-238024; contact: Qualcomm) RAN3 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2

[R2-2400054](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400054.zip) LS on Handover Times for NTN UEs with mechanically steered beams in F[R2-NTN](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-NTN.zip) (R4-2321576; contact: Nokia) RAN4 LS in Rel-18 NR\_NTN\_enh To:RAN2

[R2-2400061](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400061.zip) LS on NTN VSAT capability (R4-2321975; contact: ZTE) RAN4 LS in Rel-18 NR\_NTN\_enh-Core To:RAN1, RAN2

[R2-2400062](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400062.zip) LS on UE capability to support DMRS bundling for GSO and NGSO (R4-2321976; contact: Ericsson) RAN4 LS in Rel-18 NR\_NTN\_enh-Core To:RAN1, RAN2

[R2-2400068](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400068.zip) Reply LS on the service requirement of restricting satellite access RAT type (S1-233296; contact: Apple) SA1 LS in Rel-18 5GSAT\_Ph2 To:CT1 Cc:SA2, RAN2

[R2-2400085](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400085.zip) Response to “Reply LS on the service requirement of restricting satellite access RAT type” (S2-2401650; contact: Vodafone) SA2 LS in Rel-17 IoT\_SAT\_ARCH\_EPS, 5GSAT\_ARCH To:RAN3 Cc:CT1, CT4, SA1, RAN2

[R2-2400534](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400534.zip) Consideration on VSAT support requested in R4-2321975 ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400609](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400609.zip) Miscellaneous Corrections in 38.304 ZTE Corporation, Sanechips CR Rel-18 38.304 18.0.0 0376 - F NR\_NTN\_enh-Core

[R2-2400711](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400711.zip) RIL List on 37.355 for NR NTN CATT discussion

[R2-2400712](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400712.zip) Correction on NR NTN in TS 37.355 CATT CR Rel-18 37.355 18.0.0 0489 - F NR\_NTN\_enh-Core

[R2-2401410](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401410.zip) Rapporteur input R18 NR NTN RRC Ericsson CR Rel-18 38.331 18.0.0 4610 - F NR\_NTN\_enh-Core

[R2-2401411](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401411.zip) Rapporteur input R18 NR NTN RRC RIL Ericsson discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401449](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401449.zip) Draft LS response on Handover delay in FR2 NTN with mechanically steered beams Nokia LS out Rel-18 NR\_NTN\_enh-Core To:RAN4 Late

### 7.7.2 Stage 2 corrections

[R2-2400771](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400771.zip) 38.300 corrections for network verified UE location Nokia, Nokia Shanghai Bell draftCR Rel-18 38.300 18.0.0 F NR\_NTN\_enh-Core

[R2-2400772](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400772.zip) On combining CHO and RACH-less Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401282](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401282.zip) Correction to Stage 2 on NTN mobility Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0804 - F LTE\_NBIOT\_eMTC\_NTN

=> Revised in [R2-2401513](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401513.zip)

[R2-2401513](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401513.zip) Correction to Stage 2 on NTN mobility Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0804 1 F NR\_NTN\_enh-Core

[R2-2401403](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401403.zip) Corrections to stage 2 for NR NTN R18 Ericsson draftCR Rel-18 38.300 18.0.0 F NR\_NTN\_enh-Core

[R2-2401462](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401462.zip) Miscellaneous Stage 2 corrections for NR NTN Samsung discussion Rel-18 NR\_NTN\_enh-Core Late

### 7.7.3 RRC corrections

[R2-2400122](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400122.zip) [V503] Remaining Issues on Location Based CHO for Moving Cell vivo discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400123](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400123.zip) Remaining Issues on Satellite Switch with Re-sync vivo discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400124](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400124.zip) [V507] Clarification on RACH-less CG Periodicity vivo discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400182](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400182.zip) Consideration of remaining open issues of NTN China Telecom discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400195](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400195.zip) [H063] RACH-based satellite switching with re-sync Huawei, HiSilicon, CATT, CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400248](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400248.zip) Discussion on leftover open issues of TS 38.331 CATT discussion

[R2-2400249](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400249.zip) [C604] [C622] On parameter applicability to CG RACH-less HO in NR NTN CATT discussion

[R2-2400250](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400250.zip) [C619] On serving cell configuration for EMC CHO CATT discussion

[R2-2400251](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400251.zip) Discussion on Remaining Open Issue for Unchanged PCI Mechanism CATT, Huawei, HiSilicon, CMCC discussion

[R2-2400309](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400309.zip) [H009] NTN coverage enhancement implementation in RRC Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400481](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400481.zip) The remaining issues of satellite switch of re-sync TCL discussion

[R2-2400497](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400497.zip) Discussion on open issue for NTN CHO LG Electronics France discussion Rel-18 38.331 NR\_NTN\_enh-Core

[R2-2400498](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400498.zip) Discussion on open issue for satellite swithcing with re-sync LG Electronics France discussion Rel-18 38.331 NR\_NTN\_enh-Core

[R2-2400500](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400500.zip) Open Issues on the Satellite Switch with Resynchronization Google Inc. discussion Rel-18

[R2-2400501](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400501.zip) Provision of the TN PLMN ID in an NTN Cell Google Inc. discussion Rel-18

[R2-2400535](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400535.zip) [RILH005,H400] Consideration on location-based CHO remaining issues ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400536](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400536.zip) Inclusion of NTN-Config for PCI unchanged ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400537](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400537.zip) Inclusion of Msg4 ACK repetition parameters ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400538](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400538.zip) [RILH001]Discussion on the switch timing for soft-switch case ZTE Corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400670](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400670.zip) Further Thoughts on CHO in EMC [C606] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400695](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400695.zip) [H001] Discussion on unchanged PCI Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400696](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400696.zip) [H005][H004][H008] Event D2 for earth-moving cell Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400697](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400697.zip) [H792] Measurement results reporting for unchanged PCI cell Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400698](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400698.zip) [H010][O602][C603] Discussion on ssb-TimeOffset Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400699](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400699.zip) [H791] SMTC for measuring unchanged PCI cell Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400700](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400700.zip) [H790] Applicable events for unchanged PCI cell Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400701](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400701.zip) [H062] SIB19 acquisition after satellite switching Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400702](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400702.zip) [H400] Correction to CondEvent D2 Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400703](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400703.zip) CHO configuration in satellite switching Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400802](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400802.zip) RRC corrections for NTN InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400808](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400808.zip) Issues on condEventD2 and RACH-less HO Samsung discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400809](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400809.zip) Issues on satellite switch with PCI unchanged and RIL S481 Samsung discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400852](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400852.zip) RIL Q571 and H792 on issue of serving satellite change Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400853](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400853.zip) DL sync and switch time in Satellite switch with re-sync Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400855](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400855.zip) RACH-less satellite switch with resync Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400869](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400869.zip) Discussion on configuration of ntn-cg-RACH-less-RetransmissionTimer LG Electronics Inc. discussion NR\_NTN\_enh-Core

[R2-2400892](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400892.zip) [K003] Discussion on satellite switch triggering ASUSTeK discussion Rel-18 38.331 NR\_NTN\_enh-Core

[R2-2400937](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400937.zip) Open issues on satellite switch with unchanged PCI Apple discussion Rel-17 DUMMY

[R2-2400938](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400938.zip) Open issues on NR NTN Enhancements Apple discussion Rel-17 DUMMY

[R2-2400992](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400992.zip) [H015] Start condition of T430 Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401005](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401005.zip) [O600] Discusssion on TN cell broadcasting NTN info OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401006](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401006.zip) [O601] Discussion on location-based CHO for earth moving cells OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401007](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401007.zip) [O602] Discussion on unchanged PCI OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401084](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401084.zip) [C606] Further discussion on CHO in EMC CATT, Thales, vivo, Samsung, Ericsson, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ITL, OPPO discussion

[R2-2401134](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401134.zip) Considerations on left issues on EMC CHO CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401135](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401135.zip) Considerations on left issues on PCI unchanged CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401183](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401183.zip) On first UL transmission for unchanged PCI RIL H001 Nokia, Nokia Shanghai Bell discussion NR\_NTN\_enh-Core

[R2-2401256](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401256.zip) Open issues on location based CHO ITL discussion

[R2-2401258](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401258.zip) Open issues on satellite switching with re-sync ITL discussion

[R2-2401393](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401393.zip) Remaining issues on NR NTN Enhancements Sequans Communications discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401400](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401400.zip) Remaining issue on soft satellite switch with re-sync Ericsson discussion Rel-18 NR\_NTN\_enh-Core

### 7.7.4 MAC corrections

[R2-2400125](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400125.zip) Remaining Issues on PUCCH Repetition vivo discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400803](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400803.zip) MAC corrections for NTN InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400810](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400810.zip) Corrections on NTN MAC issues Samsung discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400871](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400871.zip) Indication for HARQ feedback for RACH-less handover LG Electronics Inc. discussion NR\_NTN\_enh-Core

[R2-2400881](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400881.zip) Discussion on corrections for RACH-less handover without retransmission timer NEC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400882](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400882.zip) Discussion on remaining issues of RACH-less handover for NTN NEC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400939](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400939.zip) Clarification on UE operation upon TATimer expiry during RACH-less HO Apple discussion Rel-17 DUMMY

[R2-2401281](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401281.zip) Discussion on MAC behaviours related to RACH-less HO and unchanged PCI Huawei, HiSilicon discussion Rel-18 LTE\_NBIOT\_eMTC\_NTN

### 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

[R2-2400587](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400587.zip) Discussion on the measurement rules for cell re-selection ETRI discussion Rel-18 NR\_NTN\_enh-Core

[R2-2400854](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400854.zip) RIL Q638 on FR2 in NTN Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401000](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401000.zip) Discussion on PUCCH enhancement for Msg4 HARQ-ACK in NR NTN OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401404](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401404.zip) Remaining issue on VSAT UEs Ericsson discussion Rel-18 NR\_NTN\_enh-Core

[R2-2401409](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401409.zip) Remaining issue on switch procedure for satellite switch with re-sync Ericsson discussion Rel-18 NR\_NTN\_enh-Core

## 7.8 NR support for UAV

### 7.8.1 Organizational

**LSs**

[R2-2400044](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400044.zip) LS on RAN3 progress for UAV flight path information handling and A2X service support (R3-238019; contact: Ericsson) RAN3 LS in Rel-18 NR\_UAV-Core To:SA2, RAN2

=> Noted

**WI Rapporteur input**

[R2-2400671](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400671.zip) Work Item Agreements for Uncrewed Aerial Vehicles in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

=> Noted

**Rapporteur CRs**

*36.300 & 38.300*

[R2-2400672](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400672.zip) Corrections to NR Support for Uncrewed Aerial Vehicles Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0789 - F NR\_UAV-Core

=> The CR is revised in [R2-2401870](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401870.zip) with further updated from the meeting and with the comments removed

[R2-2401870](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401870.zip) Corrections to NR Support for Uncrewed Aerial Vehicles Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0789 1 F NR\_UAV-Core

=> Update the text “NG-RAN can request the Aerial UE to report flight path information, based on indication from Aerial UE that flight path information is available or without such indication from Aerial UE.”

=> Update the subclauses impacted to better granularity

=> The CR is agreed in [R2-2401955](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401955.zip) unseen with changes above

[R2-2401955](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401955.zip) Corrections to NR Support for Uncrewed Aerial Vehicles Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0789 2 F NR\_UAV-Core

=> Agreed

[R2-2400673](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400673.zip) Corrections to Enhanced LTE Support for Uncrewed Aerial Vehicles Nokia, Nokia Shanghai Bell CR Rel-18 36.300 18.0.0 1395 - F LTE\_UAV\_enh

=> The CR is agreed

*38.321*

[R2-2400564](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400564.zip) Correction for SL resource pool usage for BRID/DAA transmission Samsung CR Rel-18 38.321 18.0.0 1743 - F NR\_UAV-Core

- Ericsson asks if we should include the exact IE. Samsung has follow the same mechanism as other cases.

=> The CR is agreed in [R2-2401873](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401873.zip) with the tracked changes removed from cover sheet

[R2-2401873](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401873.zip) Correction for SL resource pool usage for BRID/DAA transmission Samsung CR Rel-18 38.321 18.0.0 1743 1 F NR\_UAV-Core

*36.331 & 38.331*

[R2-2400830](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400830.zip) Corrections for NR Support for UAV (Uncrewed Aerial Vehicles) Qualcomm Incorporated CR Rel-18 38.331 18.0.0 4563 - F NR\_UAV-Core

=> the CR is endorsed and will be revised after RAN2#125 agreements

* [POST125][032][UAV] CR to 38.331 (Qualcomm)

Intended outcome:

Deadline: Short

[R2-2400831](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400831.zip) Corrections for Enhanced LTE Support for UAV (Uncrewed Aerial Vehicles) Qualcomm Incorporated CR Rel-18 36.331 18.0.0 4992 - F LTE\_UAV\_enh-Core

=> the CR is endorsed and will be revised after RAN2#125 agreements

**ASN.1: Rapporteur input**

[R2-2400832](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400832.zip) NR UAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

=> Noted

**Agreements**

1 For NR H743, J061, Z074, Z075, C003, C004, [V822], [Z072], W012, C005, W013, E081, C008, H745, H059, C009, J065, W014, C018, I115, I116, E125, E085, E094, C024, L003, E086, E122, E127, E128, J074: Agree to the proposed resolutions as captured in the rapporteur’s misc. corrections CR.

2 For NR E047, E048, E121, C006, X141, Z073, H744, [J064], L004, Z071, L002, S172, E083, E084, Z076, E123, H746, H747, E126, E119, [E144], S173, S174: Change status to PropReject. No change in spec is needed.

[R2-2400833](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400833.zip) LTE eUAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 LTE\_UAV\_enh-Core

Proposal 1. As a general principle, apply the resolution for open issues and ASN.1 RILs from NR UAV to LTE eUAV when applicable.

Proposal 3. For LTE N001, B002, Q632: Agree to the proposed resolutions as captured in the rapporteur’s misc. corrections CR.

Proposal 4. For LTE B001: [To discuss] Change status to PropReject. No change is needed.

=> Noted

**Agreements**

1. As a general principle, apply the resolution for open issues and ASN.1 RILs from NR UAV to LTE eUAV when applicable.

2. For LTE N001, B002, B001Q632: Agree to the proposed resolutions as captured in the rapporteur’s misc. corrections CR.

### 7.8.2 Measurement reporting for mobility and interference control

**ASN.1: RIL discussion**

*[Z077][V823][V824][W015]*: *Clarification on simulMultiTriggerSingleMeasReport* – [Proposed Status: ToDo]

[R2-2400173](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400173.zip) Discussion on single measurement report triggering for multiple events of same type vivo discussion Rel-18 NR\_UAV-Core

Proposal: RAN2 to adopt the TP for solving RILs [V823][V824][W015][Z077], i.e., capture UE behaviour as a note on deciding the applicable event from all the events of same type which are triggered the measurement report and configured with simulMultiTriggerSingleMeasReport.

=> Noted

[R2-2400991](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400991.zip) [Z077] Correction on application of simulMultiTriggerSingleMeasReport ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

Proposal 1: RAN2 to confirm simulMultiTriggerSingleMeasReport is applied to events that are triggered to send measurement report (but not to events whose entry conditions has been satisfied).

Proposal 2: RAN2 to down-select the following options to capture the agreement for simulMultiTriggerSingleMeasReport:

 Option 1: To replace “the entry condition” with “measurement report triggering condition” in the corresponding procedural text in 5.5.4.1;

 Option 2: To capture it only in field description of simulMultiTriggerSingleMeasReport, and remove the related procedural text in 5.5.4.1.

- ZTE thinks that option 1 is paper

=> Noted

[R2-2400366](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400366.zip) Measurement Reporting Enhancements NEC discussion Rel-18 NR\_UAV-Core

Proposal 2: For cases that more than one events are configured for the same type which are associated with the same measObjectNR, capture the procedure as “whether current event is applicable or not” based on simulMultiTriggerSingleMeasReport indicator and whether the event has the smallest value between the altitude of the UE and the corresponding altitude threshold.

=> Noted

[R2-2401212](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401212.zip) Discussion on measurement reporting enhancements China Telecom discussion

Proposal 1: it is proposed to describe the procedure’s condition as "the measurement report trigger condition of the event has been met".

=> Noted

[R2-2401060](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401060.zip) Open Issue red to simultaneous MR LG Electronics discussion Rel-18 NR\_UAV-Core [moved from 7.8.4]

Proposal 1. To move the clause for verifying the altitude to measurement reporting section

Proposal 2. To send measurement reports for leaving conditions for the measIDs for which measurement reports were previously sent for entry conditions when simulMultiTriggerSingleMeasReport is set

Proposal 3. If Proposal 2 is agreeable, to adopt TP 3.1 to prevent unnecessary measurement report transmissions

=> Noted

[R2-2400674](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400674.zip) On Some of the Most Interesting RILs for Rel-18 UAVs: [E129], [E144], [H744], [V824] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core [moved from 7.8.4]

Proposal 5: RAN2 to discuss a mechanism that treats the transition between AxHy events of the same Ax type as state transitions such that only one AxHy event of the same Ax type can be applicable at any given time.

=> Noted

Discussion

- Qualcomm indicates the intent and doesn’t think that the solutions capture it properly so we may need to think a bit more.

=> The intent: if there has been multiple event of the same type/name for same MO, if there is a new event that was just triggered the UE should look at all previously triggered, but not yet reported, and discard those that are not the nearest one. The rapporteur will refine the intent and propose a text update over email discussion.

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

Intended outcome: Review and agree to a resolution for [Z077][V823][V824][W015]

Deadline: March 28, 2024

*[H744] [H746] [H747]: Altitude-based NumberOfTriggeringCells –* [Proposed Status: PropReject] – [Discussed by 3 companies]

[R2-2400602](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400602.zip) Altitude dependent NumberOfTriggeringCells [H744] [H746] [H747] Huawei, HiSilicon, Ericsson discussion Rel-18

Proposal 1: Altitude-based NumberOfTriggeringCells should be captured in the latest spec (and the proposed changes are in the TP in the Annex).

=> Noted

[R2-2400674](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400674.zip) On Some of the Most Interesting RILs for Rel-18 UAVs: [E129], [E144], [H744], [V824] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core [moved from 7.8.4]

Proposal 4: Reject RILs H744 and H746 which suggest the introduction of altitude-based numberOfTriggeringCells.

=> Noted

[R2-2400589](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400589.zip) H746 H747 J064 E048 J061 E144 Ericsson discussion Rel-18 NR\_UAV-Core

Proposal 1: For height dependent numberoftriggeringcells, RAN2 to implement the agreement such that in certain height range, there can be a certain configured numberOfTriggeringCells.

=> Noted

Discussion

- Huawei indicates that this solves things and it is simple. Ericsson, CATT agrees with Huawei and it simply capturing a previous agreement.

- LG agrees with Nokia. Samsung thinks that if we follow the agreement explicitly Huawei and Ericsson they may have a point, but we have captured it implicitly last meeting.

=> Keep Reject resolution

[*E144]: Standalone aerial capability –* [Proposed Status: PropReject] – [Discussed by 2 companies]

[R2-2400589](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400589.zip) H746 H747 J064 E048 J061 E144 Ericsson discussion Rel-18 NR\_UAV-Core

Proposal 6: RAN2 to remove the standalone aerial UE capability to indicate whether a UE is an aerial UE.

- Nokia asks if we want to remove it. Ericsson would like to remove it but we should at least clarify what this capability means.

- Nokia indicates that we told RAN4 about this capability

- ZTE agrees that we should remove. Samsung explains that we compromised last meeting because of Qualcomm’s good arguments. Qualcomm agrees that we have already discussed and we agreed.

- CATT thinks its ok to remove.

=> We will keep the capability bit and check if a clarification is needed and what the optional capability depends on

=> Noted

[R2-2400674](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400674.zip) On Some of the Most Interesting RILs for Rel-18 UAVs: [E129], [E144], [H744], [V824] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

Proposal 3: RAN2 maintains the aerialUE-Capability in the specification. If aerialUE-Capability is removed, RAN2 informs RAN4 accordingly

=> Noted

=> Noted

*[J064]: UE behaviour for AxHy when only H leaving condition fulfilled –* [Proposed Status: PropReject] – [Discussed by 1 company]

[R2-2400589](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400589.zip) H746 H747 J064 E048 J061 E144 Ericsson discussion Rel-18 NR\_UAV-Core

Proposal 2: For J064 we agree with the first change but not with the second change since leaving condition is defined RSRP or H related.

- Samsung also thinks that the second change is not right. LG is fine with Qualcomm’s review.

- H745 addresses the clarification on altitude not going through L3 filtering

=> Check after the final CR version if there is still a problem

=> Noted

*[Z076]: ssb-ToMeasure in overlapping height ranges–* [Proposed Status: PropReject] – [Discussed by 1 company]

[R2-2400990](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400990.zip) [Z076] Correction on application of altitude based SSB-ToMeasure ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

*Proposal 1: To capture in specification which SSB-ToMeasure configuration(s) is applied when UE considers itself is within more than one altitude ranges.*

*Proposal 2: When UE considers itself is within more than one altitude ranges, the combination of SSB-ToMeasure values from corresponding altitude ranges is applied (option 1).*

*Proposal 3: Adopt the TP in the Annex.*

- LG thinks we should keep current SSBtomeasure until it leaves the range. We can add text the UE apply only one altitude range. ZTE would be fine with LG’s proposal. Samsung and CATT think we can leave it UE implementation. Apple thinks the problem is on the network side also the network doesn’t have the information on what was the previous range.

=> The UE should apply SSB-tomeasure corresponding to only one altitude range at time.

=> Noted

*[E048]: “removal of Aerial UE” –* [Proposed Status: PropReject]

[R2-2400589](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400589.zip) H746 H747 J064 E048 J061 E144 Ericsson discussion Rel-18 NR\_UAV-Core

*Proposal 3: Clarify in 38.331 that frequencyBandListAerial is only for aerial UEs and Agree RIL E048.*

*Proposal 5: If a UE, after reading the frequencyBandListAerial and finding aerial NS values, finds that it does not support those values, the UE should consider the cell barred.*

=> Confirm the reject E048

=> Noted

**Other identified issues**

[R2-2400366](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400366.zip) Measurement Reporting Enhancements NEC discussion Rel-18 NR\_UAV-Core

Proposal 1: Revise the note to also cover the case UE moving between altitude ranges with ssb-ToMeasure-r18 and altitude ranges without ssb-ToMeasure-r18.

- Samsung and Qualcomm indicate it is the same text so not needed

=> Noted

### 7.8.3 Flight path reporting

**ASN.1: RIL discussion**

*[E129] :Flightpath availability during Reestablishment –* [Proposed Status: ToDo]

[R2-2400798](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400798.zip) E129, Flight Path Reporting Ericsson discussion Rel-18

Proposal 1: For RRCReestablishmentComplete, if available, the UE reports flightpath availability like it is reporting new flight path information. Adopt the related TP in Annex 4.

Proposal 2:Update the stage 2 spec to clarify that NG-RAN can request the UE to obtain the flight path information independent of the (flight path) availability indication. Adopt the related TP in Annex 5.

=> Noted

[R2-2400674](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400674.zip) On Some of the Most Interesting RILs for Rel-18 UAVs: [E129], [E144], [H744], [V824] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

Proposal 1: UAV UE is allowed to include the FP availability in RRC Reestablishment Complete irrespectively of the threshold for availability indication. This should apply at least when reestablishing the connection in another cell than source cell.

Proposal 2: Adopt the changes shown above for RRC Reestablishment procedure in 5.3.7.5 of NR RRC specification.

=> Noted

- Huawei thinks that if we do this we should also do it for HO Case. Ericsson thinks that for HO case it is not a RLF so there are ways to handle it. Huawei explains that in RAN3 they are discussing what to do when the target cell doesn’t have the information. LG thinks that the network can get this information by request.

- ZTE thinks that if we have Ericsson Proposal 2 then we don’t the first proposals. Nokia doesn’t think that it should be handled similar to RLF.

- Samsung explains that when the network requests a flight path and there is not flight path available the UE doesn’t send anything. This is the LTE behaviour. ZTE explains that this also happens for EMR case.

**Agreements:**

* + 1. UAV UE is allowed to include the FP availability in RRC Reestablishment Complete irrespectively of the threshold for availability indication.
    2. Update the stage 2 spec to clarify that NG-RAN can request the UE to obtain the flight path information independent of the (flight path) availability indication. Adopt the related TP in Annex 5.
    3. The understanding for now, is that when NG-RAN requests the UE to obtain the flight path information, if the UE has no available flight path information it will not send an empty flight path in response.

*Flightpath availability during RRCReconfigurationComplete*

[R2-2400367](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400367.zip) Remaining issues on Flight Path Reporting NEC discussion Rel-18 NR\_UAV-Core

Proposal 1: RAN2 to confirm that the UE should provide flightpath availability notification in RRCReconfigurationComplete message during handover unless the UE receives an indication that the target gNB already has the latest flightpath from the source gNB.

Proposal 1a: If P1 is agreed, RAN2 to discuss whether such an indication is introduced or agree on “the UE provides flightpath availability notification in RRCReconfigurationComplete message during handover” as the expected behavior without introducing the indication.

=> Noted

[R2-2400612](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400612.zip) Discussion on flight path report Huawei, HiSilicon discussion Rel-18

Proposal 1: If flight path available indication has been sent by the RRCReconfigurationComplete message, the UE should exclude it in the UAI message that was triggered due to the last 1 second mechanism before the UE receives the reconfigurationWithSync.

=> Noted

*[L004]: Flightpath report on SCG –* [Proposed Status: PropReject] – [Discussed by 1 company]

[R2-2401059](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401059.zip) Discussion red to L004 LG Electronics discussion Rel-18 NR\_UAV-Core [moved from 7.8.4]

*Proposal 1. To discuss whether to allow flight path update indication on SCG*

*Proposal 2. If flight path update indication via SCG is not allowed, to adopt TP 3.1*

- LG and Samsung thinks this makes sense.

*Proposal 3. If flight path update indication via SCG is allowed, to adopt TP 3.2*

=> Noted

**Agreements:**

1 If flight path update indication via SCG is not allowed, to adopt TP 3.1. L004 is agreed

**Other identified issues**

### 7.8.4 Other

**Capabilities**

*nr-NS-PmaxListAerial-r18*

[R2-2400832](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400832.zip) NR UAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core [moved from 7.8.1]

Proposal 1: On additionalPmax-r18: keep the signalling in ASN.1 and make any changes to procedural texts once RAN4 replies.

Proposal 2: For both NR and LTE: Introduce optional UE capability to indicate support of the mechanisms defined for cells broadcasting aerial-specific emission list.

Proposal 3: For nr-NS-PmaxListAerial-r18, keep it as per-UE optional capability (both LTE and NR) with No FDD/TDD diff and No FR1/FR2 diff. Remove Editor’s Note. Also capture description in TS 38.306.

=> Noted

[R2-2400833](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400833.zip) LTE eUAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 LTE\_UAV\_enh-Core [moved from 7.8.1]

Proposal 2: For multiNS-PmaxAerial-r18 and sl-A2X-Service-r18, [assuming proposed resolutions for NR are agreed] remove the Editor’s notes from LTE RRC. Also capture descriptions in TS 36.306 CR.

=> Noted

[R2-2400675](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400675.zip) Resolving Remaining Open Issues for Rel-18 UAV capabilities Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

Proposal 1: No separate capability is introduced for the purpose of signalling the Aerial UE’s support of specific NS values. nr-NS-PmaxListAerial-r18 is removed from AerialParameters-r18.

=> Noted

[R2-2400113](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400113.zip) Discussion on open issues for UAV UE capabilities CATT discussion NR\_UAV-Core

Proposal 1: a per band UE capability nr-NS-PmaxListAerial-r18 is defined in IE BandNR for the support of aerial specific NS value.

Proposal 3: if P1 and P2 can be agreed, the same handling can be adopted for LTE UAV capabilities, i.e., per band UE capability multiNS-PmaxAerial-r18 is defined, and clarify that a UE supporting sl-A2X-Service-r18 shall also support LTE sidelink.

=> Noted

Discussion

- Nokia doesn’t think we need a separate capability and we never had a Ns capability before. CATT thinks it is needed and it should be per band. Qualcomm agrees with CATT.

- Huawei is not convinced, if you have such UE you should support these values. Qualcomm explains that different regions have different requirements. So a UE may want to support a band in which there is no NS restrictions.

[R2-2401213](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401213.zip) Discussion on left issues of NR UAV China Telecom discussion

Proposal 2: the indication nr-NS-PmaxListAerial-r18 need to be set to corrspond with frequency band.

=> Noted

=> Noted

*sl-A2X-Service*

[R2-2400832](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400832.zip) NR UAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core [moved from 7.8.1]

Proposal 4: For both NR and LTE: sl-A2X-Service-r18 capability (support of A2X service(s) using PC5 sidelink and dedicated resource pool for corresponding A2X service) is indicated per band.

Proposal 5: Update NR RRC to move sl-A2X-Service-r18 to per band (i.e. inside BandSidelink-r16), M = No, FDD-TDD diff = NA/A, FR1-FR2 diff = N/A. Update description in TS 38.306 (can keep it in 4.2.24 in 38.306).

- Samsung thinks that this is a service so per UE is sufficient

- Ericsson indicates that a UE will only report the A2X bands on the SL bands supported.

=> Noted

**Agreements:**

1. On additionalPmax-r18: keep the signalling in ASN.1 and make any changes to procedural texts once RAN4 replies.

2. For both NR and LTE: Introduce optional per UE capability to indicate support of the mechanisms defined for cells broadcasting aerial-specific emission list. For nr-NS-PmaxListAerial-r18, keep it as per-UE optional capability (both LTE and NR) with No FDD/TDD diff and No FR1/FR2 diff. Remove Editor’s Note. Also capture description in TS 38.306.

3. sl-A2X-Service-r18 capability is per UE. This implies that the UE doesn’t support both SL V2X/ProSe and A2X, but can be revisited when there is a need to support both.

[R2-2400833](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400833.zip) LTE eUAV: Proposed resolutions to ASN.1 review and other open issues Qualcomm Incorporated discussion Rel-18 LTE\_UAV\_enh-Core

Proposal 2. For multiNS-PmaxAerial-r18 and sl-A2X-Service-r18, [assuming proposed resolutions for NR are agreed] remove the Editor’s notes from LTE RRC. Also capture descriptions in TS 36.306 CR.

=> Noted

[R2-2400172](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400172.zip) Discussion on the granularity of UE capability on sidelink A2X service vivo discussion Rel-18 NR\_UAV-Core

Proposal: Capture sl-A2X-Service as a per-UE capability in TS 38.306.

=> Noted

[R2-2400675](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400675.zip) Resolving Remaining Open Issues for Rel-18 UAV capabilities Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

Proposal 2: sl-A2X-Service is defined as a per UE capability.

=> Noted

*Other (depends on outcome of RIL [H744] [H746] [H747])*

[R2-2400611](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400611.zip) Clarification for the capability of NumberOfTriggeringCells Huawei, HiSilicon, Ericsson discussion Rel-18 [moved from 7.8.1]

Proposal 1: RAN2 should introduce a separate capability for altitudeBasedNumberOfTriggeringCells:

**Clarifications on A2X operation**

*[S171] :SIB12 handling for A2X communication –* [Proposed Status: ToDo]

[R2-2400565](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400565.zip) [S171] SIB12 acquisiton for A2X communication Samsung discussion Rel-18 NR\_UAV-Core

Proposal. UE procedure upon reception of SIB12 in clause 5.2.2.4.13 of TS 38.331 can be clarified to use separate resource pool for A2X communication in SIB12 and use resource pool for NR SL communication in SIB12 for A2X communication reception and transmission as the TP in ANNEX.

=> Check if this clarification is still needed if the definition of NR SL is updated to include A2X as per RIL H743

=> Close RIL

=> Noted

*A2X dependency on Sidelink*

[R2-2400113](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400113.zip) Discussion on open issues for UAV UE capabilities CATT discussion NR\_UAV-Core

*Proposal 2: clarify in TS 38.306 that a UE supporting sl-A2X-Service-r18 shall also supports NR sidelink.*

=> Noted

[R2-2400825](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400825.zip) Remaining aspects of PC5-based A2X and UE capabilities Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core, LTE\_UAV\_enh-Core [moved from 7.8.1]

*Proposal 4: Discuss and decide how to specify A2X capability signalling dependency to V2X and SL capabilities, taking into account potential A2X use cases (e.g., receive-only devices such as BRID receiver, transmit-only such as BRID-tx-only).*

=> Noted

- Nokia thinks that only the basic minim set of capabilities should be included. Qualcomm explains that not all devices need tx and rx SL capabilities, for example a law enforcement device it just wants to listen, or there are devices that just want to transmit and doesn’t want to listen. Huawei thinks that we can discuss the just rx or just tx in a later point in time when we see the commercial needs. Nokia explains that we should do anything. Even if BRID may not require rx, we shouldn’t deviate from SL capabilities that don’t differentiate between rx/tx. Ericsson agrees

- CATT thinks we should just include NR sidelink.

=> No separate tx/rx capability will be introduced for now

=> FFS how to capture dependency on the specification and which capability have dependencies.

*Miscellaneous corrections for A2X*

[R2-2401230](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401230.zip) Correction on Sidelink procedure for A2X communication Samsung discussion Rel-18 NR\_UAV-Core

Proposal. To specify UE procedure for A2X communication operation, adopt the TP in Annex A to 38.331 and the TP in Annex B to 36.331.

=> Noted

[R2-2401202](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401202.zip) Correction on resource pools selection for A2X communication Sharp discussion

Proposal 1: If both sl-BWP-PoolConfigA2X and sl-BWP-PoolConfigCommonA2X are not configured, the UE selects any configured resource pools

Proposal 2: If sl-BWP-PoolConfigA2X or sl-BWP-PoolConfigCommonA2X is configured and the value of sl-A2X-Service doesn’t match with the service type of A2X communication, the UE selects any configured resource pools except for A2X resource pools.

Proposal 3: Adopt the text proposal in Annex.

=> The rapporteur will address the issues in the spec

=> Noted

**Other identified issues**

[R2-2400613](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400613.zip) Remaining issues for NR UAV Huawei, HiSilicon discussion Rel-18

Proposal 1: RAN2 can reuse the existing mechanism for NR UAV location information report and does not need to discuss further user consent.

[R2-2401213](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401213.zip) Discussion on left issues of NR UAV China Telecom discussion

Proposal 1: it is proposed to add a note to clarify that flight path information is still available in case all waypoints are removed.

[R2-2401399](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401399.zip) Resource selection for BRID and DAA Beijing Xiaomi Mobile Software discussion Rel-18 NR\_UAV-Core

## 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: 4

### 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.

[R2-2400072](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400072.zip) Reply LS on L2ID and User Info for L2 based U2U (S2-2313796; contact: LGE) SA2 LS in Rel-18 NR\_SL\_relay\_enh To:RAN2 Cc:CT1, SA3

[R2-2400073](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400073.zip) Reply LS on handling of location information in multi-path operation (S2-2313800; contact: LGE) SA2 LS in Rel-18 NR\_SL\_relay\_enh-Core, 5G\_ProSe\_Ph2 To:RAN3 Cc:RAN2

[R2-2400505](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400505.zip) Discussion on L2ID and User Info for L2 based U2U LG Electronics Inc. discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400507](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400507.zip) Reply LS on L2ID and User Info for L2 based U2U relay (reply to [R2-2400072](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400072.zip); contact: LGE) LG Electronics Inc. LS out Rel-18 NR\_SL\_relay\_enh-Core To:SA2 Cc:CT1, SA3

[R2-2400566](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400566.zip) Correction on 38.306 for SL Relay UE capability Samsung draftCR Rel-18 38.306 18.0.0 F NR\_SL\_relay\_enh-Core

[R2-2400567](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400567.zip) Correction on 38.331 for SL Relay UE capability Samsung draftCR Rel-18 38.331 18.0.0 F NR\_SL\_relay\_enh-Core

[R2-2400633](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400633.zip) Corrections for NR sidelink relay enhancements OPPO CR Rel-18 38.351 18.0.0 0030 - F NR\_SL\_relay\_enh-Core

[R2-2400768](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400768.zip) U2U relay selection and reselection Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400804](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400804.zip) Correction on 38.304 for SL Relays Ericsson CR Rel-18 38.304 18.0.0 0379 - D NR\_SL\_relay\_enh-Core

[R2-2400949](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400949.zip) Discussion on Reply LS on L2ID and User Info for L2 U2U Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401156](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401156.zip) Remote UE ID discussion for U2U relay Local ID assignment Qualcomm Incorporated, Ericsson, MediaTek Inc, InterDigital discussion NR\_SL\_relay\_enh-Core

[R2-2401157](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401157.zip) Reply LS on L2ID and User Info for L2 based U2U relay (reply to [R2-2400072](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400072.zip); contact: Qualcomm) Qualcomm Incorporated LS out Rel-18 NR\_SL\_relay\_enh-Core To: SA2

### 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.

[R2-2400101](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400101.zip) Correction on R18 SL Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400400](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400400.zip) Correction to 38.300 on Relay enhancement Xiaomi discussion

[R2-2400403](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400403.zip) Stage-2 Corrections for SL relay enhancements Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0779 - F NR\_SL\_relay\_enh-Core Withdrawn

[R2-2400504](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400504.zip) Corrections to 38.300 for Rel-18 SL Relay (rapporteur’s CR) LG Electronics Inc. CR Rel-18 38.300 18.0.0 0785 - D NR\_SL\_relay\_enh-Core

[R2-2400579](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400579.zip) Stage-2 correction on SL relay Samsung discussion

[R2-2400636](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400636.zip) Discussion on stage-2 corrections OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400689](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400689.zip) Corrections to 38.300 for SL relay ZTE, Sanechips CR Rel-18 38.300 18.0.0 0790 - F NR\_SL\_relay\_enh-Core

=> Withdrawn

[R2-2401142](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401142.zip) TP to TS 38.300 on SL relay enhancement CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401450](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401450.zip) Stage-2 Corrections for SL relay enhancements Huawei, HiSilicon discussion Rel-18 38.300 NR\_SL\_relay\_enh-Core Late

[R2-2401476](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401476.zip) Discussion on stage 2 correction for SL relay ZTE Corporation, Sanechips discussion NR\_SL\_relay\_enh-Core Late

### 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 can be discussed based on contributions.

[R2-2400102](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400102.zip) Leftover Issues on Multi-path and U2U Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400134](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400134.zip) Discussion on remaining CP issues for U2U relay NEC Corporation discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

[R2-2400135](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400135.zip) Discussion on remaining CP issues for MP relaying NEC discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

[R2-2400178](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400178.zip) Discussion on RRC open issue of service continuity China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400179](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400179.zip) Discussion on RRC open issue of U2U relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400180](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400180.zip) Discussion on RRC open issue of multi-path China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400223](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400223.zip) [B107] [B110] TP on IndirectPathFailureInformation message Lenovo discussion Rel-18

[R2-2400224](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400224.zip) [B109] TP on NotificationMessageSidelink message for U2U Lenovo discussion Rel-18

[R2-2400228](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400228.zip) [B113] TP on T390 in MP scenario Lenovo discussion Rel-18

[R2-2400302](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400302.zip) Open issues for multi-path relaying Spreadtrum Communications discussion Rel-18

[R2-2400379](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400379.zip) RRC issues on MP of SL relay Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400399](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400399.zip) [H696, O424, H656] Correction on T421 stop condition Xiaomi discussion

[R2-2400404](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400404.zip) Remaining stage-3 issues for multi-path operation and U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400410](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400410.zip) [H656][H695][H696]  T421 stop condition for MP remote UE Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400411](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400411.zip) [H658][H690] Configuring radio bearer associated with N3C indirect path Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400412](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400412.zip) [H660][H669][H673][H693] Clarification of SRAP configuration and local ID/ bearer ID addition/modificaiton/release for U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400413](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400413.zip) [H662] PC5 unicast link handling for MP operation during RRC re-establishment procedure Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400414](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400414.zip) [H065] PC5 link maintainence or release for direct path addition/modification/release procedures Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400415](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400415.zip) [H064] QoS infomation and bearer mapping for U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400416](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400416.zip) [H668][H679][O408] PC5 RLC channel handling including E2E failure case in U2U relay Huawei, HiSilicon, OPPO, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400417](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400417.zip) [H066] Relay UE indication for supporting of PC5-RRC trigger in MP Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400418](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400418.zip) [H670] E2E SL DRB and SL SRB handling for U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400419](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400419.zip) [H811][H692] Conditions for the PC5-RRC trigger Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400420](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400420.zip) [H683] Clarification for U2U remote UE threshold condition Huawei, HiSilicon,vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400421](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400421.zip) [H686] RLC mode indication in L2 U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400426](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400426.zip) [H659] Network support for non-3GPP multi-path relay MediaTek Inc. discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400469](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400469.zip) Left issues for Multi-path relaying SHARP Corporation discussion NR\_SL\_relay\_enh-Core

[R2-2400493](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400493.zip) Discussion on MP remaining open issues vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400503](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400503.zip) Discussion on the remaining issues for U2U relay LG Electronics Inc. discussion Rel-18

[R2-2400551](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400551.zip) Discussions on RRC Fujitsu discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400569](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400569.zip) [S426] E2E and per-hop configuration handling in case of DRB release Samsung, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400570](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400570.zip) [S427] E2E and per-hop configuration handling in case of SRB release Samsung, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400571](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400571.zip) [S429] Correction for SL RLF handling for L2 U2U relay Samsung, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400572](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400572.zip) [S432] RSRP thresholds for events X1 and X2 Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400638](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400638.zip) Discussion on [O400-407, O421] OPPO, Huawei, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400639](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400639.zip) Discussion on [O419] OPPO, vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400640](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400640.zip) Discussion on [O425] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400641](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400641.zip) Discussion on [O414] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400642](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400642.zip) Discussion on [O415] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400643](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400643.zip) Discussion on [O424] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400644](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400644.zip) Discussion on [O418,427,428] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400686](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400686.zip) Discussion on remaining issues on U2U relay ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

[R2-2400687](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400687.zip) Discussion on remaining issues on multi-path relay ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

[R2-2400735](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400735.zip) Open issue list for Rel-18 SL relay Huawei, HiSilicon report Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400736](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400736.zip) RRC RIL issue list for Rel-18 SL relay Huawei, HiSilicon report Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400737](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400737.zip) Rapp RRC CR for Rel-18 SL relay enhancement Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4549 - F NR\_SL\_relay\_enh-Core

[R2-2400742](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400742.zip) [H066] Relay UE indication of supporting PC5-RRC trigger for MP Huawei, HiSilicon, Qualcomm, Ericsson discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400743](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400743.zip) [H674] [H677] Per hop PC5 link release/failure and E2E PC5 link release/failure handling for U2U relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400765](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400765.zip) RIL N024 - RSRP thresholds for X1, X2, and Y2 events Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400766](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400766.zip) RSRP thresholds for U2N relay selection and re-selection Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400767](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400767.zip) RIL N025 - QoS split for L2 U2U Relay Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400799](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400799.zip) Discussion on Open Issues in 38.331 Ericsson discussion Rel-18

[R2-2400893](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400893.zip) [K001] Corrections to sidelink radio link failure on L2 U2U Relay ASUSTeK discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

[R2-2400894](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400894.zip) [K002] Sidelink UE Capability reporting for L2 U2U Relay ASUSTeK discussion Rel-18 38.331 NR\_SL\_relay\_enh-Core

[R2-2400950](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400950.zip) Discussion on local ID release for L2 U2U ([A619]) Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400951](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400951.zip) Discussion on open issues for L2 U2U support ([A606],[A608] etc.) Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400952](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400952.zip) Discussion on direct path add/change/release in MP ([A623] and [A624]) Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401072](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401072.zip) Use of Direct Path Release for Multipath InterDigital, Apple, Ericsson, Xiaomi discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401074](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401074.zip) Addressing RRC Open Issues for Multipath and Service Continuity InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401075](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401075.zip) Addressing RRC Open Issues for U2U Relay InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401110](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401110.zip) [Z755] Providing QoS flow to E2E SLRB mapping to relay UE and traffic pattern reporting at relay UE ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

[R2-2401111](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401111.zip) [Z756] Association of E2E SLRB with PC5 RLC channel at relay UE ZTE, Sanechips discussion NR\_SL\_relay\_enh-Core

[R2-2401117](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401117.zip) RRC remaining issues for U2U relay Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401143](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401143.zip) TP to TS 38.331 on SL relay enhancement CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401155](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401155.zip) Remaining issues on RRC for U2U relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2401211](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401211.zip) [J062] Discussion on s-measureConfig for i2i path switching Sharp discussion

[R2-2401283](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401283.zip) Discussion on [O417] OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401285](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401285.zip) Discussion on [O423] OPPO, Huawei discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401394](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401394.zip) [X033] [X251] peer-to-peer direct PC5 trigger for U2U Relay UE selection Beijing Xiaomi Mobile Software discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401396](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401396.zip) [H675] [H676] reception of NotificationMessageSidelink indicating PC5-RLF Beijing Xiaomi Mobile Software discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2401446](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401446.zip) Direct path release in multi-path Sony discussion Rel-18 NR\_SL\_relay\_enh-Core Late

[R2-2401447](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401447.zip) Multipath activation/deactivation Sony discussion Rel-18 NR\_SL\_relay\_enh-Core Late

[R2-2401486](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401486.zip) [X029/030/031] correction on the relay reselection Xiaomi discussion Rel-18 NR\_SL\_relay\_enh-Core Late

[R2-2401487](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401487.zip) Discussion on U2U ID reporting NEC discussion Rel-18 NR\_SL\_relay\_enh Late

### 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.

[R2-2400298](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400298.zip) Correction on SRAP for U2U relay Xiaomi discussion

[R2-2400405](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400405.zip) SRAP corrections on L2 U2U relay operation Huawei, HiSilicon CR Rel-18 38.351 18.0.0 0029 - F NR\_SL\_relay\_enh-Core Withdrawn

[R2-2400559](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400559.zip) SRAP – proposals for corrections and related TP Samsung discussion

[R2-2400632](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400632.zip) SRAP open issues for R18 sidelink relay OPPO other Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400634](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400634.zip) Discussion on left issues for SRAP OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400688](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400688.zip) Corrections to 38.351 on L2 U2U relay ZTE, Sanechips CR Rel-18 38.351 18.0.0 0033 - F NR\_SL\_relay\_enh-Core

=> Withdrawn

[R2-2401451](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401451.zip) SRAP corrections on L2 U2U relay operation Huawei, HiSilicon discussion Rel-18 38.351 NR\_SL\_relay\_enh-Core Late

[R2-2401475](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401475.zip) Discussion on SRAP corrections on L2 U2U relay ZTE Corporation, Sanechips discussion NR\_SL\_relay\_enh-Core Late

### 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.

[R2-2400103](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400103.zip) Clarification on the Duplication RLC Activation and Deactivation MAC CE CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400401](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400401.zip) Correction to 38.321 on Relay enhancement Xiaomi discussion

[R2-2400406](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400406.zip) MAC corrections on multi-path operation and L2 U2U relay Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1741 - F NR\_SL\_relay\_enh-Core Withdrawn

[R2-2400635](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400635.zip) Discussion on MAC corrections OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400800](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400800.zip) Discussion on Open Issues in 38.321 Ericsson discussion Rel-18

[R2-2400948](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400948.zip) Miscellaneous MAC Corrections on SL Relay enhancements Apple (rapporteur) CR Rel-18 38.321 18.0.0 1756 - F NR\_SL\_relay\_enh-Core

[R2-2401452](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401452.zip) MAC corrections on multi-path operation and L2 U2U relay Huawei, HiSilicon discussion Rel-18 38.321 NR\_SL\_relay\_enh-Core Late

### 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.

[R2-2400104](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400104.zip) Clarification on More than One Leg on Direct Uu Path in Multi-path CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400380](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400380.zip) Remaining issue on PDCP for MP of SL relay Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400407](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400407.zip) PDCP corrections on L2 U2U relay security Huawei, HiSilicon CR Rel-18 38.323 18.0.0 0131 - F NR\_SL\_relay\_enh-Core Withdrawn

[R2-2401073](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401073.zip) Rapporteur Corrections to 38.323 for SL Relay InterDigital CR Rel-18 38.323 18.0.0 0132 - F NR\_SL\_relay\_enh-Core

[R2-2401089](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401089.zip) Clarification for PDCP/RLC with multi-path Nokia, Nokia Shanghai Bell discussion

[R2-2401453](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401453.zip) PDCP corrections on L2 U2U relay security Huawei, HiSilicon discussion Rel-18 38.323 NR\_SL\_relay\_enh-Core Late

### 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.

[R2-2400402](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400402.zip) Discussion on UE capability of Relay enhancement Xiaomi discussion

[R2-2400408](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400408.zip) UE capability corrections for multi-path operation and U2U relay Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1023 - F NR\_SL\_relay\_enh-Core Withdrawn

[R2-2400568](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400568.zip) Open issue for UE capabilities Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400573](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400573.zip) Discussion on open issues of UE capability for multi-path relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400637](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400637.zip) Discussion on UE capability OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2400801](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400801.zip) Discussion on Open Issues in 38.306 Ericsson discussion Rel-18

[R2-2401158](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401158.zip) UE capabilities on MP relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

### 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.

[R2-2400409](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400409.zip) Idle mode corrections for SL relay Huawei, HiSilicon CR Rel-18 38.304 18.0.0 0375 - F NR\_SL\_relay\_enh-Core Withdrawn

## 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)

[R2-2400161](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400161.zip) Miscellaneous corrections for IDC Xiaomi draftCR Rel-18 38.331 18.0.0 F NR\_IDC\_enh-Core

=> Revised in [R2-2401525](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401525.zip)

[R2-2401525](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401525.zip) Miscellaneous corrections for IDC Xiaomi CR Rel-18 38.331 18.0.0 4621 - F NR\_IDC\_enh-Core

[R2-2400162](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400162.zip) IDC RIL list Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2401020](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401020.zip) Correction on the IDC Reporting ZTE Corporation, Sanechips CR Rel-18 37.340 18.0.0 0382 - F NR\_IDC\_enh-Core

## 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: 3 tdocs

### 7.11.1 Organizational and stage-2 corrections

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

[R2-2400028](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400028.zip) Reply LS on UE Capability of Multicast Reception in RRC\_INACTIVE (R1-2312641; contact: vivo) RAN1 LS in Rel-18 NR\_MBS\_enh-Core To:RAN2

[R2-2400266](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400266.zip) Corrections to 38.300 for eMBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400315](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400315.zip) Correction on TS 38.300 for NR MBS enhancements THALES CR Rel-18 38.300 18.0.0 0778 - D NR\_MBS\_enh-Core Withdrawn

[R2-2400940](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400940.zip) Miscellaneous corrections to eMBS in MAC Apple CR Rel-18 38.321 18.0.0 1755 - F NR\_MBS\_enh-Core Withdrawn

[R2-2401150](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401150.zip) Corrections to TS 38.300 for MBS CMCC CR Rel-18 38.300 18.0.0 0798 - F NR\_MBS\_enh-Core

[R2-2401262](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401262.zip) MBS Rapporteur CR for RRC Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4593 - F NR\_MBS\_enh-Core

[R2-2401259](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401259.zip) MBS corrections to Stage 2 Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0802 - F NR\_MBS\_enh-Core

=> Revised in [R2-2401512](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401512.zip)

[R2-2401512](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401512.zip) MBS corrections to Stage 2 Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0802 1 F NR\_MBS\_enh-Core

[R2-2401263](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401263.zip) RIL list for MBS Huawei, HiSilicon report Rel-18 NR\_MBS\_enh-Core

[R2-2401298](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401298.zip) Miscellaneous corrections to eMBS in MAC Apple, Samsung, Qualcomm Incorporated, CATT CR Rel-18 38.321 18.0.0 1772 - F NR\_MBS\_enh-Core

### 7.11.2 Multicast reception in RRC\_INACTIVE

Papers should not be submitted to 7.11.2, please use 7.11.2.1 or 7.11.2.2 instead.

#### 7.11.2.1 Control plane corrections

Including addressing RRC/ASN.1 review comments and corrections to TS 38.304.

[R2-2400109](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400109.zip) Open issues on control plane for multicast reception in RRC\_INACTIVE state TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2400227](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400227.zip) [B103] TP on stop monitoring MCCH when entering RRC\_CONNECTED state Lenovo discussion Rel-18

[R2-2400263](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400263.zip) [C132] RRC Resume when below the Threshold CATT, CBN, Huawei, HiSilicon, Xiaomi, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400264](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400264.zip) [C135] Conflict between the legacy MII and Rel-18 MII CATT, CBN, Huawei, HiSilicon, Samsung, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400373](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400373.zip) [S745] [S746] Optionality of Multicast MCCH Configuration in SIB24 Samsung discussion Rel-18

[R2-2400479](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400479.zip) [W010] Discussion on corrections for RRC resume after RRCReject NEC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400616](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400616.zip) Discussion about RIL Z657 (on SDAP operation for multicast reception in RRC\_INACTIVE) ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400770](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400770.zip) CP Corrections for Multicast Reception Samsung discussion Rel-18

[R2-2400941](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400941.zip) Clarification on UE operations related to MRB configuration Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401057](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401057.zip) Multicast MRBs Release when switching to RRC\_CONNECTED (RIL J003) Sharp discussion [R2-2313416](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313416.zip)

[R2-2401088](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401088.zip) RIL issues on multicast LG Electronics Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401173](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401173.zip) [J001] [C131] [J006] [C140] Control plane details for multicast reception in RRC\_INACTIVE state Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401175](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401175.zip) [J008][J003][S749] Multicast MRB handling for Inactive state Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401264](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401264.zip) [H073] Discussion on how to notify UE of session activation during SDT Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401265](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401265.zip) [H074] Discussion on UE behaviour after receiving RRCReject during RRC resume for multicast reception Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401359](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401359.zip) RIL E097 MBS quality threshold Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401397](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401397.zip) Remaining Issues on RSRP/RSRQ-based RRC Resumption vivo discussion Rel-18 NR\_MBS\_enh-Core

#### 7.11.2.2 User plane corrections

Including corrections to TS 38.321 and TS 38.323.

[R2-2400265](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400265.zip) Corrections to 38.321 for eMBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400556](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400556.zip) Initialization of PDCP State Variable for MBS Multicast reception in RRC INACTIVE Nokia Corporation discussion NR\_MBS\_enh-Core

[R2-2400617](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400617.zip) Misc CR to 38.321 for NR MBS enh ZTE, Sanechips CR Rel-18 38.321 18.0.0 1744 - F NR\_MBS\_enh-Core

[R2-2401058](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401058.zip) MAC Reset when switching to RRC\_CONNECTED Sharp discussion

[R2-2401126](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401126.zip) Discussion on PTM retransmission reception with HARQ feedback disabled ASUSTeK discussion Rel-18 38.321 NR\_MBS\_enh-Core

[R2-2401260](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401260.zip) Remaining UP issues for multicast reception in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401363](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401363.zip) MAC Reset in State Transition from RRC\_INACTIVE to RRC\_CONNECTED Samsung discussion Rel-18 NR\_MBS\_enh-Core

### 7.11.3 Shared processing corrections

Including addressing RRC/ASN.1 review comments.

[R2-2400375](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400375.zip) Correction for Shared Processing Samsung discussion Rel-18

[R2-2401261](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401261.zip) Discussion on shared processing for MBS broadcast and unicast reception Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

### 7.11.4 UE capabilities

Including corrections related to UE capabilities for 38.306 or 38.331 and remaining issues for UE capabilities, e.g. whether the functionality of RRC connection resumption triggering due to the reception quality below the configured threshold is mandatory/optional capability.

[R2-2400126](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400126.zip) Remaining Issues on UE Capabilities for eMBS vivo discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400244](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400244.zip) Discussion on UE capability remaining issues for eMBS MediaTek discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400267](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400267.zip) Discussion on UE Capability for eMBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400300](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400300.zip) Discussion on eMBS UE capabilities Spreadtrum Communications discussion Rel-18

[R2-2400316](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400316.zip) Consideration on the open issue for eMBS capabilities Beijing Xiaomi Software Tech discussion Rel-18

[R2-2401087](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401087.zip) UE capability for reception quality based RRC resume LG Electronics Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401355](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401355.zip) UE capability of MBS quality threshold Ericsson, Qualcomm Incorporated, AT&T, FirstNet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401356](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401356.zip) MBS capabilities 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: 3 tdocs

### 7.12.1 Organizational Stage-2 and high-level open issues

Ls in Rapporteur input, CRs etc. Includes TS impacts 38300 and Stage-2 Centric Open issues (can also cover secondary impacts to other TSes)

[R2-2400035](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400035.zip) Reply LS on UE RACH-less handover for mobile IAB (R3-238048; contact: Qualcomm) RAN1 LS in Rel-18 NR\_mobile\_IAB-Core To:RAN2

[R2-2400136](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400136.zip) Reply LS on UE RACH-less handover for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400137](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400137.zip) The inheritance of IAB operations to mobile IAB in 38.300 with [H750] [H751] as exclusion Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400422](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400422.zip) Discussion on CHO and the reply LS on RACH-less HO in mIAB ZTE, Sanechips other Rel-18 NR\_mobile\_IAB

[R2-2401012](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401012.zip) Open issue list for mobile IAB UE capabilities Nokia, Nokia Shanghai Bell discussion

[R2-2401371](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401371.zip) Miscellaneous corrections on Mobile IAB Ericsson CR Rel-18 38.331 18.0.0 4604 - F NR\_mobile\_IAB-Core

[R2-2401373](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401373.zip) RILs conclusions for MobileIAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2401374](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401374.zip) Discussion on RILs conclusion MobileIAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

### 7.12.2 Stage-3

Note that reuse of NR NTN RACH-less handover is assumed. Modifications of or difference in procedure specifically for mIAB to be determined/elaborated, with mIAB-specifics only when/if there is a need.

For multi-TS input, it is allowed to input also here.

[R2-2400865](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400865.zip) Mobile IAB-MT gNB-ID acquisition and measurement configuration Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2401372](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401372.zip) Introduction of Mobile TRP location info Ericsson draftCR Rel-18 38.305 18.0.0 F NR\_mobile\_IAB-Core

#### 7.12.2.1 BAP

TS impacts 38340 and BAP Centric Open 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

[R2-2400138](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400138.zip) Remove best cell for mobile IAB cell in TS 38.304 Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400423](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400423.zip) On frequency prioritization for UEs in mobile IAB ZTE, Sanechips other Rel-18 NR\_mobile\_IAB

[R2-2400424](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400424.zip) Discussion on UE capabilities for mobile IAB-MT ZTE, Sanechips other Rel-18 NR\_mobile\_IAB

[R2-2400434](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400434.zip) Discussion on RILs for mobile IAB Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2400435](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400435.zip) Remaining issues for UE capabilities for mobile IAB Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2400684](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400684.zip) On mIAB capabilities Samsung discussion

[R2-2400717](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400717.zip) Mobile IAB-MT barring Samsung discussion

[R2-2400864](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400864.zip) UE capabilities for mobile IAB Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400866](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400866.zip) Cell barring for mobile IAB-MT Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400921](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400921.zip) RRC open issues on mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2400922](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400922.zip) UE capability open issues on mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2401237](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401237.zip) [E070] Barring of mobile IAB-MT LG Electronics Inc. discussion Rel-18 NR\_mobile\_IAB-Core

#### 7.12.2.3 User plane corrections

TS impacts 38321

[R2-2400621](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400621.zip) Handling of DRX and measurement gaps during RACH-less handover Samsung discussion

## 7.13 Further enhancement of data collection for SON MDT in NR and ENDC

(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: 2 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.

[R2-2400037](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400037.zip) Reply to LS on AI/ML Core Network enhancements (R3-237745; contact: ZTE) RAN3 LS in Rel-19 To:SA2 Cc:RAN, RAN1, RAN2, SA

[R2-2400091](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400091.zip) Reply LS on MDT for NPN (S5-237504; contact: Ericsson) SA5 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN3 Cc:RAN2, SA3

[R2-2400092](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400092.zip) 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

[R2-2400219](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400219.zip) Reply LS on improved KPIs involving end-to-end data volume transfer time analytics (S5-241086; contact: Intel, Verizon, CMCC) SA5 LS in Rel-18 AIMLsys To:SA2, CT3, CT4, RAN2, RAN3

[R2-2400658](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400658.zip) WI RIL list for 36.331 for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400659](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400659.zip) Corrections to TS 36.331 for R18 SONMDT Huawei, HiSilicon CR Rel-18 36.331 18.0.0 4989 - F NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400763](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400763.zip) Introduction of Rel-18 MDT enhancements Nokia, Nokia Shanghai Bell (rapporteur) CR Rel-18 37.320 18.0.0 0129 - B NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401445](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401445.zip) SONMDT RILs Summary Ericsson discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core Late

[R2-2401505](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401505.zip) Merged CR for the SONMDT corrections Ericsson CR Rel-18 38.331 18.0.0 4620 - F NR\_ENDC\_SON\_MDT\_enh2-Core Late

### 7.13.2 Papers related to RILs

[R2-2400158](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400158.zip) [V314] Introduction of snpn-IdentityList-r18 LoggedMeasurementConfiguration vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2400372](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400372.zip) [S515] Correction on release of MHI Samsung discussion

[R2-2400374](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400374.zip) [S518] intendedSIBs doesn’t consider R17 and R18 SIBs Samsung discussion

[R2-2400376](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400376.zip) Discussion on RIL [S517][S520] Samsung discussion

[R2-2400377](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400377.zip) [S513]RSSI measurements for same NR-ARFCN and different SCS Samsung discussion

[R2-2400530](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400530.zip) [Z511/514/520]Consideration on NPN remaining issues ZTE Corporation, Sanechips discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400531](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400531.zip) [Z512]Inclusion of PCI and frequency for inter-RAT SHR ZTE Corporation, Sanechips discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400532](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400532.zip) Consideration on SPR remaining issues ZTE Corporation, Sanechips discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400533](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400533.zip) [C307] On includingT316 for failed Fast MCG recovery ZTE Corporation, Sanechips discussion Rel-18 38.300 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400552](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400552.zip) [F001][F018][F019][F020][F021][F022][F023] Correction on SPR Fujitsu, Lenovo, CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400553](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400553.zip) [F002][F024]Correction on SPR Fujitsu discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400660](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400660.zip) Discussion on UE behaviour on releasing sn-InitiatedPSCellChange [H767] Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400661](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400661.zip) Discussion on UE behaviour for non SNPN access mode and SNPN access mode [H771] Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400662](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400662.zip) Discussion on UE behaviour on releasing the SPR configuration [H779] Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400691](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400691.zip) [S516]Issues with Sn-InitiatedPSCellChange handling Samsung discussion

[R2-2400761](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400761.zip) RIL N022 - Clarification on location information included in SPR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400780](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400780.zip) Addressing Inter-RAT SHR and SPR related RILs [E012] [E017] [E142] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400781](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400781.zip) Draft CR on maximum number of NPN identities in MDT configuration [E022] Ericsson discussion Rel-18 38.331 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400912](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400912.zip) [J040][J041][J042]Issues for fast MCG recovery MRO SHARP Corporation discussion Rel-18

[R2-2400914](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400914.zip) [J043][J044]SPR cause setting in a SPR SHARP Corporation discussion

[R2-2401091](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401091.zip) [C304]Discussion on the impact brought by SCG activation/deactivation for SPR CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401092](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401092.zip) [C307]Discussion on Fast MCG Recovery MRO Enhancement CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401093](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401093.zip) [C308]Correction on SNPN checking CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401094](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401094.zip) [C311]Correction on CPAC failure CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401095](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401095.zip) [C312]Correction on SPR trigger condition CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401096](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401096.zip) [C315]Add the limitation on logged MDT area configuration involving PNI-NPN and SNPN CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401141](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401141.zip) Support of RACH optimization in RRC Spec CMCC, ZTE, Sanechips, Huawei, HiSilicon, Ericsson discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401226](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401226.zip) Correction on Area Configuration for NPN in logged Measurement Configuration Qualcomm Incorporated discussion Rel-18 Withdrawn

[R2-2401490](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401490.zip) [C303]Correction on including the NR RACH report into the UEInformationResponse message in LTE spec CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core Late

[R2-2401491](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401491.zip) [C304]Discussion on when to retrieve the NR RACH information in LTE spec CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core Late

[R2-2401492](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401492.zip) [C305]Correction on RACH-Report in LTE spec CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core Late

### 7.13.3 Other

[R2-2400317](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400317.zip) Consideration on the support of equivalent SNPN in SON/MDT report Beijing Xiaomi Software Tech discussion Rel-18

[R2-2400318](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400318.zip) Consideration on the leftover issues for the RACH optimization Beijing Xiaomi Software Tech discussion Rel-18

[R2-2400663](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400663.zip) Discussion on stage-2 corrections for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400664](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400664.zip) Discussion on stage-3 issues for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

=> Revised in [R2-2401516](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401516.zip)

[R2-2401516](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401516.zip) Discussion on stage-3 issues for R18 SONMDT Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400760](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400760.zip) Adding SPR-Config to CG-Config (Reply LS to [R2-2311725](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2311725.zip)/ R3-235868) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400762](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400762.zip) Scenarios for fast MCG recovery Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400777](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400777.zip) Discussion on SPR Enhancements Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400778](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400778.zip) SON Support for NPN Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2400779](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400779.zip) Addressing fast MCG recovery related RIL [E011] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401090](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401090.zip) Consideration on the open issues for SONMDT CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2401229](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401229.zip) Clarification on SPR Qualcomm Incorporated discussion Rel-18

## 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: 3 tdocs

### 7.14.1 Organizational

Including LSs and any rapporteur inputs (e.g. rapporteur CR, open issues list)

[R2-2400042](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400042.zip) LS on QMC support in RRC\_IDLE and RRC\_INACTIVE (R3-237997; contact: ZTE) RAN3 LS in Rel-18 NR\_QoE\_enh-Core To:RAN2

[R2-2400043](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400043.zip) Support for MCE ID (R3-238003; contact: Ericsson) RAN3 LS in Rel-18 NR\_QoE\_enh-Core To:SA5, RAN2 Cc:SA3

[R2-2400070](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400070.zip) Reply LS on QMC support in RRC\_IDLE and RRC\_INACTIVE (S2-2313777; contact: ZTE) SA2 LS in Rel-18 NR\_QoE\_enh-Core To:RAN3 Cc:RAN2, SA5, SA3

[R2-2400087](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400087.zip) LS Reply on area scope for QoE measurements (S4-231905; contact: Huawei) SA4 LS in Rel-18 eQoE, NR\_QoE\_enh-Core To:RAN2 Cc:RAN3, SA5

[R2-2400090](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400090.zip) Reply LS on area scope for QoE measurements (S5-238098; contact: Ericsson) SA5 LS in Rel-18 eQoE, NR\_QoE\_enh-Core To:RAN2 Cc:RAN3, SA4

[R2-2400201](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400201.zip) Stage-2 CR for Rel-18 NR QoE enhancement China Unicom, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0777 - F NR\_QoE\_enh-Core

[R2-2400214](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400214.zip) Reply LS on Support for MCE ID (S5-240021; contact: Ericsson) SA5 LS in Rel-18 NR\_QoE\_enh-Core To:RAN3 Cc:RAN2, SA3

[R2-2400782](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400782.zip) Correction of Enhancement on NR QoE management and optimizations for diverse services Ericsson CR Rel-18 38.331 18.0.0 4555 - F NR\_QoE\_enh-Core

[R2-2400783](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400783.zip) RIL issues for QoE Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2400787](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400787.zip) Proposal for Reply LS on area scope for QoE measurements Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401131](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401131.zip) CR for RAN visible QoE measurements and reporting in NR-DC Nokia, Nokia Shanghai Bell, China Unicom CR Rel-18 37.340 18.0.0 0383 - F NR\_QoE\_enh-Core

### 7.14.2 QoE measurements in RRC IDLE INACTIVE

Corrections related to QoE measurements in RRC IDLE/INACTIVE, including addressing RRC/ASN.1 review comments related to QoE support in RRC IDLE/INACTIVE.

[R2-2400539](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400539.zip) Remaining issues on QoE for RRC IDLE and INACTIVE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2400784](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400784.zip) Open issues for QoE measurements Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2400785](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400785.zip) Further RIL issues related to QoE measurements Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401079](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401079.zip) Discussion on E006, S682, S683, and S684 Samsung discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401103](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401103.zip) Discussion on remaining issues for QoE measurements in RRC IDLE and INACTIVE state CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401105](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401105.zip) [C322]Discussion on how to handle the QoE report generated after UE entering RRC\_CONNECTED state CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401106](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401106.zip) [C325]Discussion on how to configure UE to report QoE session status CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401132](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401132.zip) Discussion on RRC open issues RIL [N013] and [E098] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401159](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401159.zip) Remaining issues on QoE for IDLE and Inactive state Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2401423](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401423.zip) QoE report discarding [H706] Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401425](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401425.zip) The need of configForRRC-IdleInactive [H716] Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401426](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401426.zip) Discussion on open issues for QoE measurements in RRC\_IDLE and INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.3 Support of QoE measurements for NRDC

Corrections related to QoE measurements for NR-DC, including addressing RRC/ASN.1 review comments and corrections to TS 37.340.

[R2-2400540](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400540.zip) Remaining issues on QoE for NR-DC ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401080](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401080.zip) Discussion on S681 and a remaining issue in NR-DC QoE Samsung discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401424](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401424.zip) Spare values for reportingSRB [H720] Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.4 UE capabilities

Corrections for UE capabilities (38.306, 38.331) and remaining issues for UE capabilities for QoE, e.g. should we have any RedCap specific capabilities for QoE?

[R2-2400541](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400541.zip) Discussion on inter-RAT QoE continuity and UE capabilities ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401081](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401081.zip) Discussion on memory requirement for QoE measurement Samsung discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401104](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401104.zip) Discussion on the remaining issues for UE capabilities for QoE CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401152](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401152.zip) Discussion on remaining open issue for QoE UE capabilities CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401161](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401161.zip) RedCap UE QoE capabilities Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2401427](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401427.zip) Discussions on open issues for UE capabilities Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.5 Other

Corrections for topics not covered in other agenda items.

[R2-2400786](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400786.zip) Other open issues for QoE Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401133](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401133.zip) On FFS for LTE QoE configurations release for inter-RAT HO from LTE to NR [E099] Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401160](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401160.zip) QoE configuration handling during inter-RAT mobility Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2401428](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401428.zip) Other QoE open issues Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2401493](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401493.zip) How to handle the collision of handling of QoE configuration during IRATHO in stage 2 spec CATT discussion Rel-18 NR\_QoE\_enh-Core Late

## 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: 1 TU

Tdoc Limitation: 1 tdoc per sub-AI (excluding AI 7.15.1, which is reserved for organizational and rapporteur inputs)

### 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.

[R2-2400082](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400082.zip) Reply LS on QoS to Carrier Mapping for SL CA (S2-2401579; contact: Qualcomm) SA2 LS in Rel-18 NR\_SL\_enh2-Core To:RAN2 Cc:CT1, SA6

[R2-2400083](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400083.zip) Reply LS on Tx profile for SL CA (S2-2401581; contact: LGE) SA2 LS in Rel-18 NR\_SL\_enh2-Core To:RAN2 Cc:CT1

[R2-2400230](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400230.zip) RRC Open Issue list for R18 SL-Evo OPPO Work Plan Rel-18 NR\_SL\_enh2

[R2-2400909](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400909.zip) MAC open issue list for R18 SL-Evo LG Electronics France Work Plan NR\_SL\_enh2

[R2-2400947](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400947.zip) Discussion on SA2 Reply LS on QoS flow mapping issue Apple discussion Rel-18 NR\_SL\_enh2

[R2-2401119](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401119.zip) Discussion on QoS flow mapped carriers for SL CA Qualcomm India Pvt Ltd discussion

### 7.15.2 RRC corrections

Corrections for RRC. 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..

[R2-2400151](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2400151.zip) Discussion on remaining issues on control plane for SL evo ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2400207](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400207.zip) Discussion and TP on QoS flow to DRB mapping based on SA2 LS vivo discussion

[R2-2400231](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400231.zip) Correction on Release-18 SL Evolution OPPO CR Rel-18 38.331 18.0.0 4521 - F NR\_SL\_enh2

[R2-2400241](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400241.zip) Discussion on S2-2401579 OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2400242](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400242.zip) Discussion on [O312, X011] OPPO, Xiaomi discussion Rel-18 NR\_SL\_enh2

[R2-2400243](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400243.zip) Discussion on [O301, X010] OPPO, Xiaomi discussion Rel-18 NR\_SL\_enh2

[R2-2400247](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400247.zip) RIL list for R18 SL OPPO report Rel-18 NR\_SL\_enh2

[R2-2400257](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400257.zip) [C613] [C614] Essential corrections and left issues in RRC for Rel-18 NR SL evolution CATT discussion

[R2-2400295](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400295.zip) [X005] Correction on additional RLC bearer release for SL Xiaomi discussion

[R2-2400296](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400296.zip) [X006] Correction on additonal RLC bearer addition and modification for RRC connected UE Xiaomi discussion

[R2-2400297](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400297.zip) [X015][O306]Correction on the value of carrier ID Xiaomi, OPPO discussion

[R2-2400371](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400371.zip) [Y003] SL-TxProfiles and their extensions TOYOTA Info Technology Center discussion Rel-18 NR\_SL\_enh2

[R2-2400398](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400398.zip) [X020] Correction on SL carrier addition/release/modification triggered SUI Xiaomi discussion

[R2-2400510](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400510.zip) Discussion issues for 38.331 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2400511](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400511.zip) Discussion and TP on RIL E042 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2400512](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400512.zip) Discussion and TP on RIL E089 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2400513](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400513.zip) Discussion and TP on RIL E040 E041 E088 and O309 Ericsson, OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2400522](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400522.zip) RRC corrections for SL evolution Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400525](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400525.zip) [H623] Discussion on carrier failure caused by RLC AM failure Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400526](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400526.zip) [H624] Discussion on the distinction between RLF failure and carrier failure caused by DTX Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400527](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400527.zip) [H643] Discussion on carrier set when PDCP duplication is not used Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400528](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400528.zip) [H645] Discussion on PDCP duplication configuration via SIB or preconfiguration Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400529](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400529.zip) [H646] Discussion on PDCP duplication for default SLRB via SIB or preconfiguration Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400923](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400923.zip) Open issues on Rel-18 SL evolution Apple discussion Rel-18 NR\_SL\_enh2

[R2-2401077](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401077.zip) Addressing Open Issue on QoS Flow to Carrier Mapping InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2401188](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401188.zip) On Tx profile RIL X006 Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2-Core

### 7.15.3 MAC corrections

Corrections for MAC. 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.

[R2-2400152](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400152.zip) Discussion on remaining issues on user plane for SL evo ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2400177](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400177.zip) Discussion on MAC open issue of SL enhancement China Telecom discussion Rel-18 NR\_SL\_enh2

[R2-2400208](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400208.zip) Discussion on LCP enhancement in case of discovery pool configuration vivo discussion

[R2-2400220](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400220.zip) Remaining MAC Open Issue for NR SL with multiple carriers Lenovo discussion Rel-18

[R2-2400232](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400232.zip) Left issues on MAC OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2400258](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400258.zip) Essential corrections and left open issues in MAC for Rel-18 NR SL evolution CATT discussion

[R2-2400260](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400260.zip) Text Proposal for MAC Rel-18 corrections on Sidelink resource allocation and Sidelink LBT failure TOYOTA Info Technology Center, Lenovo discussion

[R2-2400270](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400270.zip) Corrections on SL-U for MAC layers SHARP Corporation discussion Rel-18

[R2-2400294](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400294.zip) Correction on TS 38.321 for SL Xiaomi discussion

[R2-2400301](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400301.zip) Issues on TX carrier (re-)selection Spreadtrum Communications discussion Rel-18

[R2-2400515](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400515.zip) Discussion on MAC issues Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2400523](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400523.zip) MAC corrections for SL evolution Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400773](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400773.zip) Open issues on 38.321 Nokia, Nokia Shanghai Bell discussion Rel-18 38.321

[R2-2400913](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400913.zip) Discussion on MAC open issues for R18 SL-Evo LG Electronics France discussion Rel-18 NR\_SL\_enh2

[R2-2400946](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400946.zip) Discussion on IUC MAC CEs for SL-U Apple discussion Rel-18 NR\_SL\_enh2

[R2-2400962](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400962.zip) MAC corrections on Rel-18 NR sidelink evolution LG Electronics France CR Rel-18 38.321 18.0.0 1757 - F NR\_SL\_enh2

[R2-2400979](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400979.zip) Discussion on enhanced LCP LG Electronics France discussion NR\_SL\_enh2

[R2-2401078](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401078.zip) Addressing Open Issues on MAC Layer InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2401121](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401121.zip) Draft LS on co-channel co-existence LG Electronics LS out Rel-18 NR\_SL\_enh2 To:RAN1

[R2-2401125](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401125.zip) Corrections for MAC Qualcomm India Pvt Ltd CR Rel-18 38.321 18.0.0 1764 - D NR\_SL\_enh2

[R2-2401488](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401488.zip) Miscellaneous correction for SL enhancement for TS38.321 NEC CR Rel-18 38.321 18.0.0 1782 - F NR\_SL\_enh2 Late

### 7.15.4 Others

Corrections to other specs, e.g. 38.300, 38.304, 38.323, etc.

[R2-2400153](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400153.zip) Discussion on Tx profile for SL CA ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2400233](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400233.zip) Discussion on Use-Case for SL-U and SL-CA OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2400256](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400256.zip) Essential Corrections on NR SL evolution in Stage 2 Spec CATT discussion

[R2-2400292](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400292.zip) Correction on TS 38.300 for SL Xiaomi discussion

[R2-2400293](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400293.zip) Correction on TS 38.304 for SL Xiaomi discussion

[R2-2400514](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400514.zip) Discussion issues for 38.300 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2400524](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400524.zip) Misc corrections for SL evolution Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2400769](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400769.zip) Introduction of sidelink coexistense to 38300 Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0791 - F NR\_SL\_enh2

[R2-2401076](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401076.zip) Rapporteur Stage 2 Corrections for NR Sidelink Evolution InterDigital CR Rel-18 38.300 18.0.0 0795 - F NR\_SL\_enh2

[R2-2401489](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401489.zip) Miscellaneous correction for SL enhancement for TS38.300 NEC CR Rel-18 38.300 18.0.0 0810 - F NR\_SL\_enh2 Late

## 7.16 Void

## 7.17 Dual Transmission Reception (TxRx) 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: 3 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.

[R2-2401065](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401065.zip) Correction on NR MUSIM enhancements vivo CR Rel-18 38.331 18.0.0 4583 - B NR\_DualTxRx\_MUSIM-Core

[R2-2401066](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401066.zip) [POST124][MUSIM][38331] Open Issue list(vivo) vivo other Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401067](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401067.zip) RILs\_conclusion\_MUSIM vivo other Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401068](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401068.zip) Discussion on RILs conclusion\_MUSIM vivo other Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401251](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401251.zip) Corrections to TS 38.300 for R18 MUSIM China Telecom, Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0801 - A NR\_DualTxRx\_MUSIM-Core

### 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.

[R2-2400112](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400112.zip) Discussion on remaining open issues for MUSIM CATT discussion NR\_DualTxRx\_MUSIM-Core

[R2-2400114](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400114.zip) [O100] Discussion on Timer T346n OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400115](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400115.zip) [O101] Discussion on Reporting Maximum Number of CC OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400116](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400116.zip) [O102] Discussion on Need for Gap Requirements for MUSIM Purpose OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400545](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400545.zip) Discussion on open issue for early indication Huawei, HiSilicon discussion Rel-18

[R2-2400546](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400546.zip) [H035] Discussion on Early Indication for Resume Request with no configuration Huawei, HiSilicon discussion Rel-18

[R2-2400593](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400593.zip) Discussion on open issues for temporary capability restriction Huawei, HiSilicon discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400594](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400594.zip) Discussion on open issues in NR-DC and Handover Huawei, HiSilicon discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400605](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400605.zip) Remaining issue of MUSIM temporary capability restriction NEC discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2400618](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400618.zip) [RIL-S851] Capability restriction and RRC Reestablishment Samsung discussion

[R2-2400619](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400619.zip) [RIL-S852] Remaining issues for Musim-NeedForGaps Samsung discussion

[R2-2400776](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400776.zip) [S857] Start / Restart Wait Timer for UAI during HO and CHO Samsung discussion Rel-18

[R2-2401013](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401013.zip) [RIL-S853] No capability restriction in first UAI after early indication Samsung, Huawei, HiSilicon discussion

[R2-2401015](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401015.zip) Considerations on Open issues for R18 MUSIM LG Electronics discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401017](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401017.zip) Remaining Issues on the Temporary Capability Reporting Procedure ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401018](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401018.zip) Remaining Issues on the Temporary Capability Reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401019](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401019.zip) Remaining Issues on the MUSIM Gap ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401036](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401036.zip) Remaining consideration on MUSIM early indication DENSO CORPORATION discussion NR\_DualTxRx\_MUSIM-Core

[R2-2401038](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401038.zip) Further discussion on Rel-17 MUSIM UAI and Rel-18 UAI Interworking Nokia, Nokia Shanghai Bell discussion

[R2-2401039](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401039.zip) Temporary capability restriction related open issues Nokia, Nokia Shanghai Bell discussion

[R2-2401040](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401040.zip) Additional capability restrictions related to measurement gaps Nokia, Nokia Shanghai Bell discussion

[R2-2401069](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401069.zip) Discussion on the remaining issue of MUSIM temporary capability restriction vivo discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401070](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401070.zip) Discussion on the remaining issue of MUSIM early indication vivo discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401071](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401071.zip) [C010][Z102]Discussion on musim-GapProhibitTimer vivo discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401180](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401180.zip) Discussion on Q622 and Q623 Qualcomm Incorporated discussion

[R2-2401190](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401190.zip) InterNode communictaion for temporary capability restrictions [S854] [OI5][OI6] Samsung discussion

[R2-2401192](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401192.zip) Discussion on temporary capability restriction and handover [OI2] Samsung discussion

[R2-2401193](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401193.zip) Discussion on S858, Z101, C007 Samsung Electronics Czech discussion Rel-18 38.331 NR\_DualTxRx\_MUSIM-Core

[R2-2401197](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401197.zip) Discussion on compliance check in RRCReconfiguration for MUSIM Samsung Electronics Czech discussion Rel-18 38.331 NR\_DualTxRx\_MUSIM-Core

[R2-2401254](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401254.zip) Discussion on remaining open issues for MUSIM China Telecom discussion NR\_DualTxRx\_MUSIM-Core

[R2-2401340](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401340.zip) Open issues on MUSIM Band restrictions Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401341](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401341.zip) Discussion on remaining MUSIM open issues Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2401495](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401495.zip) [RIL-Z102] MUSIM Gap UAI Processing ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core Late

### 7.17.3 Other

UE capabilities related corrections.

Corrections to TS 37.340.

Other issues if not covered by the previous agenda items.

[R2-2401339](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2401339.zip) Modification of UE capability for MUSIM Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

## 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)

[R2-2400335](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400335.zip) Editorial corrections to MT-SDT and CG-SDT enhanccement [CG-SDTenh] Huawei, HiSilicon discussion Rel-18 NR\_MT\_SDT-Core

- ZTE thinks that this is editorial

=> The CR is agreed

[R2-2400754](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400754.zip) SDT RIL resolutions for ASN.1 review ZTE Corporation (rapporteur) report

=> PropAgree RILs: Z302, H649, I059, E059, W019, Z300 -> Agreed

=> PropReject RILs: H648, I056, H701, E109 -> Rejected

=> Noted

[R2-2400755](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400755.zip) SDT corrections for ASN.1 Review issues ZTE Corporation, Ericsson (rapporteurs) CR Rel-18 38.331 18.0.0 4552 - F NR\_MT\_SDT-Core, TEI18

### 7.18.2 Others

*Essential corrections only (including any topics*

[R2-2400585](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400585.zip) Small Data Transmissions Control Plane Ericsson discussion Rel-18 38.331 NR\_MT\_SDT-Core

Proposal 1 Consider the “SDT procedure is ongoing” at the start of T319a instead of at the time of deciding to use SDT.

=> Agree to change and harmonize the RRC CR, to clarify “ongoing”

=> Noted

* [POST125][026][MT-SDT] Fix “ongoing” procedure (ZTE)

Intended outcome: Review updated changes to “ongoing” procedure and identify any additional issues/clarifications needed. Provide agreable CR as input to next Plenary.

Deadline: Long

[R2-2401429](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401429.zip) Missing indication from RRC to MAC on SDT procedure type [H700] Huawei, HiSilicon discussion Rel-18 NR\_MT\_SDT-Core

Proposal 1: Clarify at the beginning of section 5.3.13.1b that: “When requesting lower layers to check the conditions for initiating SDT, RRC indicates to lower layers whether the resume procedure is initiated for mobile originated or mobile terminated case.”

- Nokia, LG and CATT support the changes

- ZTE and Intel explain that it is already in the spec implicitly

=> Clarify at the beginning of section 5.3.13.1b that: “When requesting lower layers to check the conditions for initiating SDT, RRC indicates to lower layers whether the resume procedure is initiated for mobile originated or mobile terminated case.”

=> Noted

## 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.

[R2-2400009](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400009.zip) Reply LS on INACTIVE eDRX above 10.24sec and SDT (C4-235535; contact: Ericsson) CT4 LS in Rel-18 NR\_REDCAP\_Ph2, NR\_redcap\_enh-Core, NR\_MT\_SDT-Core To:SA2, RAN3 Cc:RAN2

[R2-2400024](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400024.zip) LS on eRedCap agreements on early indication in MsgA PRACH and on peak rate related capability parameters (R1-2312618; contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap\_enh-Core To:RAN2

[R2-2400075](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400075.zip) Reply LS on INACTIVE eDRX above 10.24sec and SDT (S2-2313911; contact: Ericsson) SA2 LS in Rel-18 NR\_REDCAP\_Ph2, NR\_redcap\_enh-Core, NR\_MT\_SDT-Core To:RAN3, CT4 Cc:RAN2

[R2-2400080](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400080.zip) Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 (S2-2401530; contact: Huawei) SA2 LS in Rel-18 NR\_redcap\_enh-Core To:RAN3, RAN2 Cc:CT4

[R2-2400456](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400456.zip) Miscellaneous corrections on TS 38.321 for eRedCap vivo (Rapporteur) CR Rel-18 38.321 18.0.0 1742 - F NR\_redcap\_enh-Core

[R2-2400595](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400595.zip) Draft\_Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 Huawei, HiSilicon LS out Rel-18 NR\_redcap\_enh-Core To:SA2 Cc:RAN3

[R2-2400875](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400875.zip) Miscellaneous corrections for eRedCap Ericsson CR Rel-18 38.331 18.0.0 4565 - F NR\_redcap\_enh-Core

[R2-2400877](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400877.zip) RIL list for eRedCap Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2401008](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401008.zip) Correction on eRedCap OPPO CR Rel-18 38.300 18.0.0 0794 - F NR\_redcap\_enh-Core

### 7.19.2 Papers related to RILs

Papers related to identified RILs

[R2-2400323](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400323.zip) [X110] Clarification on eRedcap MsgA PUSCH and proposed TP to RRC Xiaomi Communications discussion

[R2-2400457](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400457.zip) [V171 V172] Clarification on eRedCapIgnoreCapabilityFiltering vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4526 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400458](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400458.zip) [V173 V174 V175] Clarification on ran-ExtendedPagingCycle-r18 vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4527 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400459](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400459.zip) [V176] Discussion on the fallback configuration for eDRX in RRC inactive vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4528 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400460](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400460.zip) [V177 V178] Discussion on reduced requirements for logged MDT and RA report for eRedCap vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4529 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400461](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400461.zip) [V179] Discussion on the missing case for only RedCap and only eRedCap vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4530 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400597](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400597.zip) [H738] [V170] Discussion on eRedCap specific initial DL or UL BWP Huawei, HiSilicon, vivo discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400598](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400598.zip) [H739] Discussion on eRedCap capability filtering Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400599](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400599.zip) [H742] [X110] Discussion on the restriction of using 2-step RACH for eRedCap UE Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2401478](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401478.zip) [V171 V172] Clarification on eRedCapIgnoreCapabilityFiltering vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

[R2-2401479](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401479.zip) [V173 V174 V175] Clarification on ran-ExtendedPagingCycle-r18 vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

[R2-2401480](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401480.zip) [V176] Discussion on the fallback configuration for eDRX in RRC inactive vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

[R2-2401482](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401482.zip) [V179] Discussion on the missing case for only RedCap and only eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

### 7.19.3 Other

*Critical corrections, if any.*

[R2-2400324](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400324.zip) Remaining issues on the use of 2-step RA resources for eRedCap UEs and proposed TP to RRC Xiaomi Communications discussion

[R2-2400462](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400462.zip) Discussion on remaining issues for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400596](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400596.zip) Discussion on two step RA issue and peak data rate LS for eRedCap Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400827](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400827.zip) 1 Rx and 2 Rx eRedCap UE barring Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400878](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400878.zip) Discussion on fallback from 2-step to 4-step RA for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2400986](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400986.zip) Remaining issues on eRedCap LG Electronics Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2401052](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401052.zip) Discussion on SON/MDT reports for eRedCap Qualcomm Incorporated discussion NR\_redcap\_enh-Core [R2-2312918](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312918.zip)

[R2-2401053](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401053.zip) Discussion on SA2 LS regarding the RedCap and eRedCap capabilities Qualcomm Incorporated discussion NR\_redcap\_enh-Core

[R2-2401122](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401122.zip) Discussion on eRedCap remaining open issue NEC Corporation discussion

[R2-2401240](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401240.zip) Remaining issues of RA resources selection for eRedCap (MAC) ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core

[R2-2401395](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401395.zip) Remaining issues on eRedcap Sequans Communications discussion Rel-18 NR\_redcap\_enh-Core

=> Withdrawn

## 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: 3 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.

[R2-2400013](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400013.zip) LS to RAN2 on TDCP for Rel-18 MIMO (R1-2312382; contact: Samsung) RAN1 LS in Rel-18 NR\_MIMO\_evo\_DL\_UL To:RAN2

[R2-2400600](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400600.zip) RIL List v212 Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400601](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400601.zip) Correction to MIMO Evolution Ericsson CR Rel-18 38.331 18.0.0 4539 - F NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401328](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401328.zip) Open issue list for MIMO evolution NTT DOCOMO, INC. discussion Rel-18

### 7.20.2 MAC

Corrections to MAC.

Discussions and propsoals on the open issues if listed by Rapporteur(s) or triggered by LSs, ect..

[R2-2400163](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400163.zip) Discussion on the UE behaviors for the MTTD issue for 2 PTAGs Xiaomi discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400174](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400174.zip) Discussion on open issue of multiple TA operation OPPO discussion Rel-18

[R2-2400175](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400175.zip) Discussion on PHR report for mTRP operation OPPO discussion Rel-18

[R2-2400176](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400176.zip) Discussion on UL grant handling for STxMP OPPO discussion Rel-18

[R2-2400245](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400245.zip) Discussion on the Listed MAC Open Issues CATT discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400246](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400246.zip) MAC Corrections on the Unified TCI Extension to mTRP CATT, Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400470](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400470.zip) Discussion on left issues of two TAs for multiple TRPs SHARP Corporation discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400581](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400581.zip) MAC issues for STxMP Ericsson discussion Rel-18 38.321 NR\_FeMIMO-Core

[R2-2400811](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400811.zip) Remaining issues on MIMO Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400820](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400820.zip) MAC corrections for R18 MIMO Huawei, HiSillicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400899](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400899.zip) Remaining issues on two TAG LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400900](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400900.zip) Discussion on STxMP PHR LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400901](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400901.zip) Remaining issue on UL grant handling for STxMP LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401042](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401042.zip) Remaining issues on STxMP Qualcomm Incorporated discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401046](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401046.zip) Cosideration On Supporting STxMP in RAN2 ZTE Corporation, Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401048](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401048.zip) Considerations On Remaining Issues for 2TA ZTE Corporation, Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401200](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401200.zip) Random Access problem for SpCell with two TAGs Langbo discussion Rel-18 38.321 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401205](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401205.zip) Support of STxMP PHR for Single-DCI based Multiple TRP Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401305](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401305.zip) MAC issue with TAT expiry and 2TA Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401306](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401306.zip) CG-SDT TAT and 2TA Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401307](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401307.zip) TAT handling when MTTD is exceeded for PTAGs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401330](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401330.zip) Discussion on open issues on MIMO evolution NTT DOCOMO, INC. discussion

### 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..

[R2-2400591](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400591.zip) H045(on CodebookConfig-r18) Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400818](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400818.zip) Co-existence between LTM and 2TA Huawei, HiSillicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400819](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400819.zip) RRC corrections for R18 MIMO Huawei, HiSillicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2400826](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400826.zip) RRC RIL S872, S882, S893, S894, C506 Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2401047](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401047.zip) Miscellneous on RRC For MIMO evo ZTE Corporation, Sanechips 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.

[R2-2400012](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400012.zip) Reply LS on PHR reporting (R1-2312339; contct: InterDigital) RAN1 LS in Rel-18 NR\_cov\_enh2-Core To:RAN2

[R2-2400046](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400046.zip) LS reply on further clarifications on enhancements to realize increasing UE power high limit for CA and DC (R4-2321998; contact: Huawei) RAN4 LS in Rel-18 NR\_cov\_enh2 To:RAN2 Cc:RAN1

[R2-2400060](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400060.zip) LS on UE capabilities for MPR reduction (R4-2321960; contact: Nokia) RAN4 LS in Rel-18 NR\_cov\_enh2 To:RAN2, RAN1

[R2-2400131](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400131.zip) Miscellaneous corrections to CE in RRC Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4516 - F NR\_cov\_enh2-Core

[R2-2400183](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400183.zip) Stage-2 CR for Further NR coverage enhancements China Telecom CR Rel-18 38.300 18.0.0 0776 - F NR\_cov\_enh2-Core

[R2-2401438](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401438.zip) Miscellaneous MAC corrections for CE ZTE Corporation CR Rel-18 38.321 18.0.0 1779 - F NR\_cov\_enh2-Core Late

### 7.21.2 Control plane corrections

[R2-2400133](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400133.zip) Discussion on open issues on control plane for CE Huawei, HiSilicon discussion NR\_cov\_enh2-Core

[R2-2400181](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400181.zip) Discussion of PRACH repetition for TN and NTN China Telecom discussion Rel-18 NR\_cov\_enh2-Core

[R2-2400328](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400328.zip) [H501][H815][H505] Modeling OdSI request with msg1 repetition as RACH feature Huawei, HiSilicon discussion Rel-18 NR\_cov\_enh2-Core

[R2-2400586](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400586.zip) Discussion on Coverage Enhancements Control Plane Ericsson discussion Rel-18 38.331 NR\_cov\_enh2-Core

[R2-2400984](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400984.zip) Support of Msg1 repetition for eRedCap UEs LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core

=> Revised in [R2-2401500](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401500.zip)

[R2-2401500](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401500.zip) Support of Msg1 repetition for eRedCap UEs LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core Late

[R2-2401101](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401101.zip) Discussion on the CP remaining issues of CE CATT discussion Rel-18 NR\_cov\_enh2-Core

[R2-2401308](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401308.zip) Capability for DPC reporting Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_cov\_enh2-Core

[R2-2401439](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401439.zip) Remaining CP issues for CE ZTE Corporation discussion Rel-18 NR\_cov\_enh2-Core Late

### 7.21.3 User plane corrections

[R2-2400127](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2400127.zip) Discussion on the Support of DPC with Multiple-TRP vivo discussion Rel-18 NR\_cov\_enh2-Core

[R2-2400132](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400132.zip) Discussion on open issues on user plane for CE Huawei, HiSilicon discussion NR\_cov\_enh2-Core

[R2-2400198](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400198.zip) Correction to PHR MAC CE Design for assumed PUSCH reporting Samsung Electronics Co., Ltd discussion Rel-18 NR\_cov\_enh2-Core

[R2-2400262](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400262.zip) CFRA with Msg1 Repetition - RO Mask handling Samsung Electronics Co., Ltd discussion Rel-18 NR\_cov\_enh2-Core

[R2-2400290](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400290.zip) Discussion on on initialization of RRC parameter in RA procedure Xiaomi discussion Rel-18 38.321 NR\_cov\_enh2-Core

[R2-2400584](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400584.zip) Discussion on Coverage Enhancements User Plane Ericsson discussion Rel-18 38.321 NR\_cov\_enh2-Core

[R2-2400620](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400620.zip) Discussion on the remaining UP issues NEC Corporation. discussion NR\_cov\_enh2-Core

[R2-2400793](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400793.zip) Open Issues in Coverage Enhancements UP Qualcomm Incorporated discussion Rel-18

[R2-2400916](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400916.zip) Clarification on Multiple Entry PHR with Assumed PUSCH vivo CR Rel-18 38.321 18.0.0 1753 - F NR\_cov\_enh2-Core

[R2-2400985](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400985.zip) Remaining UP issues on Coverage Enhancement LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core

[R2-2401102](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401102.zip) Discussion on the UP remaining issues of CE CATT discussion Rel-18 NR\_cov\_enh2-Core

[R2-2401309](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401309.zip) Miscellaneous on DWS Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_cov\_enh2-Core

[R2-2401440](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401440.zip) Remaining UP issues for CE ZTE Corporation discussion Rel-18 NR\_cov\_enh2-Core Late

## 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.

[R2-2400580](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400580.zip) Resolution on Open Issues for URLLC TRS Ericsson discussion Rel-18 38.331 TRS\_URLLC-NR-Core

=> The proposed resolutions from rapporteur and [V509][V510] are approved

=> Noted

[R2-2400977](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400977.zip) Correction on UAI for URLLC Nokia, Nokia Shanghai Bell, Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0793 - F TRS\_URLLC-NR-Core

- Vivo asks if we should include periodicity in this case. Nokia explains that we didn’t discuss periodicity.

=> Update WI code to TRS\_URLLC-NR\_Core. The CR is agreed in [R2-2401874](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401874.zip) with the WI code updated

[R2-2401874](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401874.zip) Correction on UAI for URLLC Nokia, Nokia Shanghai Bell, Huawei, HiSilicon CR Rel-18 38.300 18.0.0 0793 1 F TRS\_URLLC-NR-Core

=> Agreed

* [AT125][018][URLCC] CR to 38.331 (Ericsson)

Intended outcome: Agree to 38.331 and updated RIL List ([R2-2401876](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401876.zip))

Deadline: short

[R2-2401869](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401869.zip) Corrections to URLLC and Timing Resiliency Ericsson CR Rel-18 38.331 18.0.0 4624 - F TRS\_URLLC-NR-core

[R2-2401876](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401876.zip) Resolution on Open Issues for URLLC TRS Ericsson discussion Rel-18 38.331 TRS\_URLLC-NR-Core

### 7.23.2 General

Essential corrections only.

[R2-2400978](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400978.zip) AS/NAS interaction for timing synchronization status change Nokia, Nokia Shanghai Bell discussion Rel-18 TRS\_URLLC-NR-Core

=> Noted

[R2-2401337](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401337.zip) Remaining issues of gNB Identity and EventID handling ZTE Corporation, Sanechips discussion Rel-18 TRS\_URLLC-NR-Core

*Proposal 1: It’s suggested to derive the gNB identity from the PLMN-IdentityInfo containing the selected PLMN, instead of from the first PLMN-IdentityInfo list entry of PLMN-IdentityInfoList in SIB1. The wording suggestion is as below:*

*2> derive the gNB identity from gNB-ID-Length and ~~cellIdentity of the first PLMN-IdentityInfo list entry of PLMN-IdentityInfoList in SIB1~~ cellIdentity for the cell as received in the corresponding PLMN-IdentityInfo containing the selected PLMN or cellIdentity for the cell as received in the corresponding entry of npn-IdentityInfoList containing the selected PLMN or SNPN, as defined in TS 38.413 [53];*

- Huawei thinks this is a corner case and don’t agree

*Proposal 2: To remove “if requested by upper layers” part from the description “Upon receiving SIB9 with eventID-TSS, the UE shall perform the actions below if requested by upper layers” as there is no related request from upper layers.*

- Nokia thinks that this is a UE internal operation. Vivo thinks that we have explicit agreements. Xiaomi agrees the spec is correct. ZTE thinks that this is different and we don’t have agreements on NAS. Huawei thinks that it is not needed.

- Qualcomm, Samsung thinks no changes are needed

=> No further updates needed

=> Noted

[R2-2401398](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401398.zip) [V509][V510] Remaining Issues on gNB ID Derivation vivo discussion Rel-18 TRS\_URLLC-NR-Core

=> RAN2 confirms that the gNB identity used for TSS is the Global gNB ID.

=> RAN2 confirms TSS feature is applicable to an NPN-only cell.

=> If an NPN-only cell supports TSS feature, UE derives the value of the gNB identity as the value of gNB-ID-Length and cellIdentity list entry of NPN-IdentityInfoList.

=> Issue [V509][V510] resolved in rapporteur CR

=> Noted

## 7.24 TEI18

Specific items may be allocated to a breakout session for treatment.

Time budget: 1 TU

### 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).

**SDT related topics (RRC Release indication)**

[R2-2400753](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400753.zip) Open issues of SDT release enhancement ZTE Corporation, Sanechips discussion

*Proposal 1: If the RRCRelease message includes resumeIndication, UE shall perform resume procedure after cell selection, if, the cell selection, doesn’t move the UE to IDLE mode and neither NAS nor AS trigger other messages (e.g. TAU/RNAU).*

*Proposal 2: If the network includes new SDT configuration in the RRCRelease message with resumeIndication, the UE should apply the new configuration before initiating a new resume procedure (no changes are needed in the spec to specify this).*

=> Noted

[R2-2401412](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401412.zip) Discussion on issues about resumeIndication in RRCRelease Huawei, HiSilicon, Qualcomm, CATT, Lenovo discussion Rel-18 TEI18

*Proposal 1: There is no need to address in specifications the possibility of UE selecting a cell belonging to different RAT or RNA after receiving RRCRelease with resumeIndication included.*

=> Noted

**Agreements**

There is no need to address in specifications the possibility of UE selecting a cell belonging to different RAT or RNA after receiving RRCRelease with resumeIndication included

[R2-2401332](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401332.zip) [RIL I054] UE behaviour when providing both resumeIndication-r18 and sdt-Config-r17 [SDT\_ReleaseEnh] Intel Corporation discussion Rel-18 TEI18

Moved from 7.24.2

Proposal 1. RAN2 should discuss which of these options is acceptable: option (2) Expected UE behaviour is clarified when both sdt-Config-r17 and resumeIndication-r18 are configured, and option (3) Network cannot configure both sdt-Config-r17 and resumeIndication-r18 at the same time. Example TPs are included in Annex capturing both options (2) and (3).

- Ericsson, Qualcomm would like to clarify option 3. ZTE explains that the sdt configuration is a need M, so there is a misunderstanding. Intel explains that the intention is not configured in that RRC configuration. If we don’t change it then RAN5 has to define two test cases. ZTE thinks that to resolve this we should say that the network releases.

- LG, Huawei doesn’t think anything is needed.

=> Noted

[R2-2400199](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400199.zip) Handling RRCRelease with resume indication for SDT Samsung Electronics Co., Ltd discussion Rel-18 TEI18

moved from 7.24.2.2

=> Noted

[R2-2401304](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401304.zip) Resume indication in RRCRelease Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0807 - F NR\_MT\_SDT-Core

Moved from 7.18.1

=> Update WI code to TEI18, TEI identifier, remove impact analysis

=> delete ‘immediately’

=> The CR is agreed unseen in [R2-2401931](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401931.zip)

[R2-2401931](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401931.zip) Resume indication in RRCRelease Nokia, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0807 1 F NR\_MT\_SDT-Core

=> Agreed

[R2-2400066](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400066.zip) LS reply for Reply LS on Mitigation of Downgrade attacks (S3-234991; contact: Nokia) SA3 LS in Rel-18 TEI18 To:CT1 Cc:RAN2

=> Noted

[R2-2400094](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400094.zip) Introduction of QCL-TypeD priorities for overlapping CORESETs in M-DCI/M-TRP operation [QCL-TypeD CORESET priority for M-TRP] CATT CR Rel-18 38.331 18.0.0 4512 - B TEI18

=> Revised in [R2-2401537](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401537.zip)

[R2-2401537](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401537.zip) Introduction of QCL-TypeD priorities for overlapping CORESETs in M-DCI/M-TRP operation [QCL-TypeD CORESET priority for M-TRP] CATT CR Rel-18 38.331 18.0.0 4512 1 B TEI18

=> The CR is agreed

[R2-2400095](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400095.zip) Introduction of MAC CE based PL RS updates for Type-1 CG-PUSCH [PL RS Type 1 CG] CATT CR Rel-18 38.331 18.0.0 4513 - B TEI18

=> Revised in [R2-2401538](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401538.zip)

[R2-2401538](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401538.zip) Introduction of MAC CE based PL RS updates for Type-1 CG-PUSCH [PL RS Type 1 CG] CATT CR Rel-18 38.331 18.0.0 4513 1 B TEI18

=> The CR is agreed

[R2-2400096](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400096.zip) On RRC impact for RAN1 TEI18 feature Multiple PUSCHs scheduling by single DCI for non-consecutive slots in FR1 CATT discussion

=> Update to and ~~for multiple non-contiguous PUSCHs~~ in FR1 (add RAN1 reference)

=> Check whether UE capability has been captured

=> Noted

[R2-2401966](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401966.zip) Introduction of Multiple PUSCH scheduling by single DCI for non-consecutive slots in FR1 [M-PUSCH in FR1] CATT CR Rel-18 38.331 18.0.0 4629 - B TEI18

=> the CR is agreed

[R2-2400159](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400159.zip) 38.331 CR for MAC CE based pathloss RS updates for Type 1 CG-PUSCH Xiaomi draftCR Rel-18 38.331 18.0.0 B TEI18

=> Not treated

[R2-2400160](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400160.zip) 38.306 CR for MAC CE based pathloss RS updates for Type 1 CG-PUSCH Xiaomi draftCR Rel-18 38.306 18.0.0 B TEI18

=> UE capability rapporteur wil implement the change directly

[R2-2400215](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400215.zip) Reply LS on Multiple Trace/MDT configurations (S5-240798; contact: Ericsson) SA5 LS in Rel-18 TEI18 To:RAN3 Cc:RAN2

**Moved from 7.25.2**

[R2-2401274](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401274.zip) Introduction of  MAC CE based PL-RS update for Type 1 CG-PUSCH Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4595 - B TEI18

=> Not treated

[R2-2401275](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401275.zip) Introduction of  twoQCLTypeDforMulti-DCI Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4596 - B TEI18

=> Not treated

[R2-2401276](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401276.zip) Introduction of RRC parameters for HARQ multiplexing Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4597 - B TEI18

=> Add RAN1 effected CRs, TEI identified, fix formatting

=> The CR is agreed in [R2-2401940](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401940.zip) with the changes above

[R2-2401940](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401940.zip) Introduction of RRC parameters for HARQ multiplexing Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4597 1 B TEI18

=> Agreed

**To be treated in SL relay session**

[R2-2401320](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401320  .zip)   Introduction of LCS User Plane     Ericsson           CR   Rel-18  38.305  18.0.0   0159     -           B          TEI18

Moved from 7.24.2

Emergency cause value for relay (LS from CT1 and related documents)

[R2-2400004](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400004  .zip)   Reply LS on emergency cause value for relay (C1-239362; contact: OPPO)    CT1      LS in     Rel-18  5G\_ProSe\_Ph2   To:RAN2           Cc:SA2

[R2-2400645](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400645.zip) Discussion on emergency cause value for SL Relay   OPPO  discussion         Rel-18  TEI18

[R2-2400646](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400646.zip) Introduction of emergency cause value for SL relay NR\_SL\_relay\_emergency]           OPPO  CR       Rel18   38.306  18.0.0   1026     -           B          TEI-18

[R2-2400647](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400647.zip) Introduction of emergency cause value for SL relay [NR\_SL\_relay\_emergency] OPPO CR Rel18 38.331 18.0.0 4540 - B TEI18

=> Revised in [R2-2401645](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401645.zip)

[R2-2401645](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401645.zip) Introduction of emergency cause value for SL relay [NR\_SL\_relay\_emergency] OPPO CR Rel-18 38.331 18.0.0 4540 1 B TEI18

[R2-2400740](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400740.zip) Setting emergency cause value in L2 U2N relay operation (C1-239362)        Huawei, HiSilicon           discussion   Rel-18  TEI18, NR\_SL\_relay\_enh-Core

### 7.24.2 TEI proposals by RAN2

Items initiated in RAN2 for NR and LTE.

Tdoc limitation: 1 tdoc, limitation applicable to new proposals.

#### 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.

[R2-2400144](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400144.zip) Signaling support for 2Rx non-RedCap XR UEs Qualcomm Incorporated, BT plc, Ericsson, Meta, Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18

Proposal 1. Any signaling enhancements for 2Rx non-RedCap XR UEs shall be limited to only frequency bands where 4Rx is mandated (referred to as 4Rx bands thereafter).

Proposal 2. 2Rx non-RedCap XR UEs follow the same access, camping and reselection procedures as legacy UEs in cells outside 4Rx bands.

Proposal 3. Per the plenary agreement, for only cells in 4Rx bands, introduce a new cell barring indication specifically for 2Rx non-RedCap XR UEs in SIB1.

Observation 1. It is necessary to introduce an indication on whether a cell supports 2Rx non-RedCap XR UEs.

Proposal 4. For cells in 4Rx bands, absence of indications specific to 2Rx non-RedCap XR UE in SIB1 indicates that the cell does no support 2Rx non-RedCap XR UEs for normal services.

=> Noted

[R2-2400582](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400582.zip) Support of initial access for 2 RX XR devices in Legacy Networks Vodafone, Verizon, Apple discussion Rel-18

Proposal 1: In legacy NWs, 2Rx non-REDCAP XR devices are supported from AS point of view and the absence of any 2Rx non-REDCAP XR Barring IEs means that 2Rx non-REDCAP XR are allowed in the NW from AS point of view.

Proposal 2: It is proposed to introduce Cellbarred2RxNon-REDCAPXR to restrict the access of 2Rx non-REDCAP XR in Rel 18.

Proposal 3: Emergency calls should be allowed on cells barred with 2Rx non-REDCAP XR

Proposal 4: For stage 3, it is proposed to use CRs in [R2-2400935](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400935.zip), [R2-2400934](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400934.zip), [R2-2401454](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401454.zip) as starting point for discussion and agreements.

=> Noted

*Discussions*

*(forbid the 2RX UEs by default or allow the 2RX UE by default)*

- Mediatek is aligned with Qualcomm and this allows for IoT testing and the network should only accept the new type device. Vodafone thinks the only IoT testing is related to RAN4 requirements. The initial access should be allowed for the UEs as the access is working well and Vodafone would like to block them according to the operator policy.

- T-mobile is concerned about capacity impact on 4RX band and RAN4 is debating is that 2RX performance will not get anywhere close to 4Rx perf.

- BT explains that the barring is only for UEs on the 4RX band, it is not same as RedCap as redcaps are barred from all bands. Without knowing how the device will act with 2RX we cannot say that there is no impact.

- TIM agrees with Tmobily and we are talking about link budget and we are talking about 3dB. If RAN4 doesn’t come up with anything it is a problem. We would like to use this like redcap. Vodafone doesn’t think that this is anything like redcap as it is working very well in all the cells.

- AT&T asks if we really mean OTA testing, agree with TIM that this is a package decision between RAN2 and RAN4.

- ZTE thinks that if you don’t bar the UE in the first place, the UE will keep trying to attach and there is signalling cost and this is done over SRB0 and 1.

- Apple thinks that both solutions are trying to achieve the same thing and we shouldn’t treat this as redcap.

- Qualcomm thinks that it is a bad design to allow access if the UE can’t get service. From network performance point of view default barring is preferable.

- ZTE thinks that this is per PLM

*After Comeback*

- RAN4 still has an offline.

*On CRs*

- AT&T thinks that we should give RAN4 some more time before we make a decision. TIM agrees.

- Vodafone is not sure what the outcome of RAN4 would imply from a RAN2 perspective. We should still have CRs for RAN2.

- AT&T and Tmobile prefer the Qualcomm version as a starting point.

=> We will make decision tomorrow on how we approach the CRs

*On emergency services*

- Apple would like to see emergency calls being addressed in the CR. Meta also thinks that we can have a technical discussion. Tmobile doesn’t thinks emergency services should be supported as there will be other bands. AT&T agrees and there are other ways to handle emergency services. Qualcomm thinks that this is a secondary issue and we should at least start with the barring first.

- Vodafone thinks that it is not usual that we assume that this will only be supported on some bands. We should at least allow emergency calls if the service requires, similar to redcap.

- TIM is not precluding that but thinks similar to the other operators. Also they are not sure what is the use case for this. It is understandable for RedCap, but not sure why glasses would need such emergency use cases. Vodafone thinks that as operators we should do anything we can to enable the business. Huawei thinks that the operators should indicate the usefulness, but this can be an optimization that we can discuss in the future.

=> FFS if emergency services will be supported

*On per PLMN barring*

- ZTE think that we should include it the PLMN config in SIB1 for network sharing to give flexibility. Vodafone supports. BT asks what happens if one operator allows and other doesn’t. This would impact the operator that doesn’t support.

- AT&T thinks that this is a per resource issue. Tmobile thinks that this is an unnecessary complication. CMCC thinks that this can bring some flexibility to the operator. ZTE explains that we have always put cell

- The barring will be specified per PLMN (i.e. in the PLMNconfig in SIB1)

- Nokia explains that redcap it was per cell. CMCC explains that redcap is different as it is BW limitation in the cell, so there could be no flexibility for operators.

*After comeback*

=> Per cell barring will be adopted

*On MIMO layers supported*

- Mediatek thinks that we have one more issue how to set the maximum number of layer. Futurewei agrees and explains that now we are setting it to single layer as well and this is worst than redcap. We should fix it to two. Mediatek thinks we still need to discuss alternative ways to signal. TIM indicates that this was not decided in the plenary. The SID/or WID doesn’t indicate explicitly 2rx. Futurewei explains that this is not against the plenary just a detail and this is just for the two 2RX devices. The wording now says, except 4layer, which means both 1 and 2.

- Qualcomm explains that an update to the UE capability was captured here: R2-2401972

- BT asks how this is captured. Qualcomm explains that it is maximum to 2, and the network cannot go above or below.

=> Intention is that the UE always indicates a maximum number of MIMO layer of 2

After more CBs

- Qualcomm indicates that RAN4 hasn’t made agreements but have a new definition.

=> take definitions into account during CR drafting

=> We will endorse two sets of CRs to submit to plenary and plenary can make the final decision

[R2-2401511](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401511.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 38.331 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core Late

=> The CR is revised in [R2-2401959](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401959.zip)

* [POST125][034][2RX XR] Updated CR (Qualcomm)

Intended outcome: Endorse CRs 38.331, 38.304, 38.300, 38.306

Deadline: short

* [POST125][035][2RX XR] merged/updated CR (Apple)

Intended outcome: Endorse CRs 38.331, 38.304, 38.300, 38.306

Deadline: short

Not treated

[R2-2401959](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401959.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 38.331 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core

[R2-2401501](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401501.zip) Introduction of 2Rx relaxation for XR devices [2Rx\_XR\_Device]          Huawei, HiSilicon, Telecom Italia, Telia Company, Orange, NTT Docomo, Spark NZ Ltd., CATT      CR       Rel-18 38.331 18.0.0  4619    -           B   TEI18  Late

[R2-2400238](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400238.zip) Discussion on 2Rx XR device OPPO discussion Rel-18 TEI18

[R2-2400544](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400544.zip) UE Capability Report and Access Control for 2Rx non-REDCAP XR devices MediaTek Inc. discussion

[R2-2400667](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400667.zip) On signaling support for 2Rx non-RedCap XR UEs Futurewei discussion Rel-18 NR\_XR\_enh-Core

[R2-2400747](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400747.zip) 2RX capability for XR ZTE Corporation, Sanechips, CMCC discussion

[R2-2400934](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400934.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.304 18.0.0 0382 - F TEI18

=>Revised in [R2-2401960](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401960.zip)

[R2-2401960](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401960.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.304 18.0.0 0382 1 B TEI18

[R2-2400935](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400935.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.331 18.0.0 4572 - F TEI18

=>Revised in [R2-2401961](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401961.zip)

[R2-2401961](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401961.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.331 18.0.0 4572 1 B TEI18

[R2-2401454](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401454.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.306 18.0.0 1052 - F TEI18 Late

=>Revised in [R2-2401962](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401962.zip)

[R2-2401962](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401962.zip) 2Rx Non-RedCap XR device access Apple, Verizon CR Rel-18 38.306 18.0.0 1052 1 B TEI18

[R2-2401963](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401963.zip) 2Rx Non-RedCap XR device access Apple, Verizon, Vodafone CR Rel-18 38.300 18.0.0 0813 - B TEI18

[R2-2401964](file:///C:\\Users\\panidx\\OneDrive%20-%20InterDigital%20Communications,%20Inc\\Documents\\3GPP%20RAN\\TSGR2_125\\Docs\\R2-2401964.zip) 2Rx Non-RedCap XR device access Apple, Verizon, Vodafone CR Rel-18 36.300 18.0.0 1398 - B TEI18

[R2-2401502](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401502.zip) Introduction of 2Rx relaxation for XR devices [2Rx\_XR\_Device] Huawei, HiSilicon, Telecom Italia, Telia Company, Orange, NTT Docomo, Spark NZ Ltd., CATT CR Rel-18 38.304 18.0.0 0387 - B TEI18 Late

[R2-2401503](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401503.zip) Introduction of 2Rx relaxation for XR devices [2Rx\_XR\_Device] Huawei, HiSilicon, Telecom Italia, Telia Company, Orange, NTT Docomo, Spark NZ Ltd., CATT draftCR Rel-18 38.306 18.0.0 B TEI18 Late

[R2-2401504](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401504.zip) RRC CR for UE capability for 2Rx XR devices [2Rx\_XR\_Device] Huawei, HiSilicon, Telecom Italia, Telia Company, Orange, NTT Docomo, Spark NZ Ltd., CATT draftCR Rel-18 38.331 18.0.0 B TEI18 Late

[R2-2401507](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401507.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 36.300 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core Late

[R2-2401508](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401508.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 38.300 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core Late

[R2-2401509](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401509.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 38.304 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core Late

[R2-2401510](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401510.zip) Introduction of 2Rx non-RedCap XR UE Qualcomm Incorporated, BT plc, Ericsson, Nokia, Nokia Shanghai Bell, Meta draftCR Rel-18 38.306 18.0.0 B NR\_XR\_enh-Core, NR\_newRAT-Core Late

#### 7.24.2.2 Other RAN2 TEI18

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

**SDT related topics**

CG-SDT enhancements (corrections)

[R2-2400622](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400622.zip) Extension of time domain offset for extended CG-SDT periodicity NEC Corporation. discussion Rel-18 TEI18

Time domain offset should be extended to 5120ms for extended CG-SDT periodicity and the corresponding TP is provided in the Annex.

=> Not supported

=> Noted

**Beam failure handling**

Discussion

[R2-2400187](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400187.zip) Beam failure recovery for SDT (RA-SDT and MT-SDT) Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE, Sanechips discussion Rel-18 TEI18 [R2-2312849](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312849.zip)

*Proposal 1: For beam failure recovery in Rel-18 SDT, during ongoing RA-SDT procedure for MO-SDT or MT-SDT (performed over RACH) if the RSRP value of the current SSB (i.e., SSB selected in the last random-access procedure during the ongoing SDT procedure) is less than a pre-configured threshold, a UE triggers RA procedure similar to CG-SDT procedure in Rel-17 SDT.*

*Proposal 2:* *Apply a prohibit timer to deal with frequent RA, that is to start the prohibit timer to dis-allow to trigger the RA again until that timer expires.*

- Ericsson agrees with the intention

*Proposal 3: If UE initiates RACH for beam failure, then the UE should monitor PDCCH transmission addressed to its C-RNTI, and if received accordingly, consider the Random-Access procedure is successfully completed and as a result beam failure is recovered.*

*Proposal 4: Add a note to MAC spec:*

*NOTE X: It is up to UE implementation when to measure SSBs in ongoing RA-SDT procedure or MT-SDT initiated by Random Access procedure. UE uses rsrp-ThresholdSSB in random access configuration selected by UE when RA-SDT or MT-SDT procedure was initiated.*

=> Noted

[R2-2400200](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400200.zip) Handling SSB failure during SDT Procedure Samsung Electronics Co., Ltd, ZTE Corporation, Sanechips, Ericsson discussion Rel-18 TEI18

*Proposal 1: If SSB selected during the last random access procedure during the SDT procedure become unsuitable (i.e. SS-RSRP of the SSB < configured threshold) AND there is at least one SSB whose SS-RSRP is >= configured threshold AND prohibit timer for SSB failure handling is not running: UE initiates random access procedure and start prohibit timer for SSB failure handling.*

=> Noted

Discussion

- Samsung and ZTE would like to add the additional proposal 1. If a beam is below a threshold it is unusable. Nokia doesn’t agree and we can have a note and leave it to UE implementation. LG doesn’t agree. Samsung would like to avoid the UE transmitting if there is no good beam.

**Agreements**

*1.* For beam failure recovery in Rel-18 SDT, during ongoing RA-SDT procedure for MO-SDT or MT-SDT (performed over RACH) if the RSRP value of the current SSB (i.e., SSB selected in the last random-access procedure during the ongoing SDT procedure) is less than a pre-configured threshold, a UE triggers RA procedure similar to CG-SDT procedure in Rel-17 SDT. ADD a note, It is up to UE implementation if the UE triggers RACH if there are no good beams

2 Apply a prohibit timer to deal with frequent RA, that is to start the prohibit timer to dis-allow to trigger the RA again until that timer expires

3 If UE initiates RACH for beam failure, then the UE should monitor PDCCH transmission addressed to its C-RNTI, and if received accordingly, consider the Random-Access procedure is successfully completed and as a result beam failure is recovered.

4 Add a note to MAC spec:

NOTE X: It is up to UE implementation when to measure SSBs in ongoing RA-SDT procedure or MT-SDT initiated by Random Access procedure. UE uses rsrp-ThresholdSSB in random access configuration selected by UE when RA-SDT or MT-SDT procedure was initiated.

[R2-2401474](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401474.zip) Discussion on beam failure recovery for RA-SDT OPPO discussion Rel-18 TEI18 Late

=> Not treated

CRs

[R2-2400188](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400188.zip) Introduction of beam failure recovery for SDT in Rel-18 [RA-SDT\_BeamFailure] Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE, Sanechips CR Rel-18 38.321 18.0.0 1712 1 B TEI18 [R2-2312850](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312850.zip)

- LG thinks that we need to revisit the ‘ongoing’ here in the MAC spec. ZTE thinks that we use ongoing for other cases as well in the MAC.

=> The CR is revised in [R2-2401927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401927.zip) with the agreements

* [AT125][020][SDT] beam failure recovery CR

- Outcome: agree to CR by email ([R2-2401927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401927.zip))

- Deadline: march 1st

[R2-2401927](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401927.zip) Introduction of beam failure recovery for SDT in Rel-18 [RA-SDT\_BeamFailure] Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE, Sanechips CR Rel-18 38.321 18.0.0 1712 2 B TEI18

=> The CR is agreed

[R2-2400189](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400189.zip) UE capabilities for Beam failure recovery for SDT [RA-SDT\_BeamFailure] Sony CR Rel-18 38.331 18.0.0 4518 - B TEI18 Withdrawn

[R2-2400190](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400190.zip) UE capabilities for Beam failure recovery for SDT [RA-SDT\_BeamFailure] Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE Corporation, Sanechips, Samsung CR Rel-18 38.306 18.0.0 1017 - B TEI18

=> delete text in bracket

=> update text to ‘It is optional for UE to support Beam failure recovery for RA-SDT intiated for MO-SDT and MT-SDT as specified in TS 38.321 [8] and TS 38.331 [9].’

=> The CR is agreed unseen in [R2-2401928](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401928.zip) with the change above

[R2-2401928](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401928.zip) UE capabilities for Beam failure recovery for SDT [RA-SDT\_BeamFailure] Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE Corporation, Sanechips, Samsung CR Rel-18 38.306 18.0.0 1017 1 B TEI18

=> The CR is endorsed and will be merged with mega CR

[R2-2400752](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400752.zip) Introduction of Beam Failure for RA-SDT [RA-SDT\_BeamFailure] "ZTE Corporation, Sanechips, Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon

=> Update cover page clauses affected

=> The CR is agreed unseen in [R2-2401929](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401929.zip) with cover page updated

[R2-2401929](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401929.zip) Introduction of Beam Failure for RA-SDT [RA-SDT\_BeamFailure] ZTE Corporation, Sanechips, Sony, Nokia, Nokia Shanghai Bell, Huawei, HiSiliconSamsung CR Rel-18 38.331 18.0.0 4551 1 B TEI18

=> Agreed

Redirection to GERAN

[R2-2400167](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400167.zip) Discussion on redirection to GERAN vivo discussion Rel-17 TEI18

[R2-2400168](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400168.zip) Correction on redirection to GERAN vivo CR Rel-17 36.331 17.7.0 4982 - F TEI18

- Nokia thinks the last procedure text is not needed

- Qualcomm wonders why we don’t remove the full content.

=> Remove last change

=> update to proper formatting and change to Rel-18 CR

=> The CR will be updated in [R2-2401932](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401932.zip) with all the changes above

Aftercomeback

[R2-2401932](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401932.zip) Correction on redirection to GERAN vivo CR Rel-17 36.331 17.7.0 4982 1 F TEI18

- Nokia is concerned that part of this container has been sent to the NAS, RRCEarlyDataComplete, so how do you ignore it.

=> Postponed

mIAB inter-RAT cell reselection

[R2-2400849](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400849.zip) Introduction of mIAB inter-RAT cell reselection enhancements for 36.331 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.331 18.0.0 4993 - B TEI18

- Huawei indicates that this can be a problem for other features as well.

=> update formatting of CRs and add capability CR number, add TEI identifier in title, WI code TEI

=> The CR is agreed in [R2-2401934](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401934.zip) unseen with formatting updated

[R2-2401934](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401934.zip) Introduction of mIAB inter-RAT cell reselection enhancements for 36.331 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.331 18.0.0 4993 1 B TEI18

=> Agreed

* [POST125][021][TEI18 mIAB] CR to 36.306 (Samsung)

Outcome: Agreeable CR in R2-2401965

Deadline: Short

[R2-2400850](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400850.zip) Introduction of mIAB inter-RAT cell reselection enhancements for 36.304 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.304 18.0.0 0870 - B TEI18

=> Add note from 1233

=> update formatting of CR and add other CR number, add TEI identifier in title, WI code TEI

=> The CR is agreed in [R2-2401935](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401935.zip) unseen with formatting updated

[R2-2401935](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401935.zip) Introduction of mIAB inter-RAT cell reselection enhancements for 36.304 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.304 18.0.0 0870 1 B TEI18

=> The CR is revised in R2-2401981

R2-2401981 Introduction of mIAB inter-RAT cell reselection enhancements for 36.304 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.304 18.0.0 0870 2 B TEI18

=> Agreed

[R2-2401965](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401965.zip) Introduction of mIAB inter-RAT cell reselection enhancements for 36.306 Samsung, AT&T, Intel, LG Electronics, Sony CR Rel-18 36.306 18.0.0 1882 - B TEI18

[R2-2401233](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401233.zip) Reselection with mIAB cells and CSG cells LG Electronics Inc, Samsung discussion Rel-18 TEI18

=> Agree to adding note

=> Noted

[R2-2401347](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401347.zip) RedCAP/eRedCAP and Emergency call handling Vodafone, Apple Inc, Verizon, Deutsche Telekom, BT Plc, TMobile USA, Ericsson discussion Rel-18

- LG agrees the intention but the field should be condpresence rather than need R as then it wouldu be ambiguous.

- CATT would like to understand case 3 better. Apple explains the intention is not Iot bit, we would like to allow emergency calls even in the case that the UEs are barred.

- Qualcomm agrees to general intention but doesn’t see why we don’t support this for both 1rx and 2RX, and expand the use case for 1 and 2. Huawei and Vivo agrees with Qualcomm to make it common.

- ZTE thinks case 3 is a real case that we will have. Some cases wouldn’t happen in the field. Case 1 can but even that may not needed.

- BT hasn’t seen the case for 2RX, and if we bar both 1RX and 2RX it is because we want to bar all redcaps. Vodafone explains that common understanding between operators that scenario configuration is not very common. Tmobile agrees, so we should just move forward with case 1.

- Qualcomm thinks that different operators have different plans, like for case 2 there are some operators that would like to deploy 1RX and 2RX in different freq.

=> Noted

**Agreements:**

1. Agree to the feature of allowing emergency calls for barred RedCap UEs. The network indicates in SIB whether the UE is allowed to initiate emergency calls.

2. We will create a common framework for the cases (i.e. we will not cover only case 3)

* [POST125][022][RedCap emergency calls] Review CRs (Apple)

Deadline: March 28, 2024

Not treated

[R2-2400930](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400930.zip) Introduction of barring exemption for RedCap UEs with 1Rx branch for emergency calls Apple, Vodafone, Verizon, TMobile USA, ZTE, Vivo, MediaTek Inc CR Rel-18 38.331 18.0.0 4570 - F TEI18

[R2-2400931](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400931.zip) Introduction of barring exemption for RedCap UEs with 1Rx branch for emergency calls Apple, Vodafone, Verizon, TMobile USA, ZTE, Vivo, MediaTek Inc CR Rel-18 38.304 18.0.0 0380 - F TEI18

[R2-2400932](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400932.zip) Introduction of barring exemption for eRedCap UEs with 1Rx branch for emergency calls Apple, Vodafone, Verizon, TMobile USA, ZTE, Vivo, MediaTek Inc CR Rel-18 38.331 18.0.0 4571 - F TEI18

[R2-2400933](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400933.zip) Introduction of barring exemption for eRedCap UEs with 1Rx branch for emergency calls Apple, Vodafone, Verizon, TMobile USA, ZTE, Vivo, MediaTek Inc CR Rel-18 38.304 18.0.0 0381 - F TEI18

[R2-2401391](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401391.zip) 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 discussion Rel-18 TEI18

- Samsung thinks that this is an enhancement and we can postpone it. Vivo agrees.

- Nokia thinks most of these can be supported already today by implementation.

- CATT also supports the proposals, and P3 maybe easier to discuss in this meeting.

- AT&T also supports

- Huawei thinks that with the current report we already have the needed information

- LG doesn’t think this is urgent but we can consider some proposal, like proposal 3.

- ZTE indicates that if you configure bigger value then the problem doesn’t exist

=> Postponed

=> Noted

PDCCH CEE usage

[R2-2401145](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401145.zip) Introduction of PDCCH CCE Usage for gNB Layer 2 measurement CMCC, China Unicom, Huawei, ZTE, CATT discussion Rel-18 TEI18

=> Introduce a new measurement of PDCCH CCE Usage in TS 38.314.

=> Noted

[R2-2401146](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401146.zip) Introduction of PDCCH CCE Usage for gNB Layer 2 measurement CMCC, China Unicom, Huawei, ZTE, CATT CR Rel-18 38.314 17.4.0 0033 - B TEI18

=> Revised in [R2-2401941](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401941.zip)

[R2-2401941](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401941.zip) Introduction of PDCCH CCE Usage for gNB Layer 2 measurement [L2M\_PDCCH\_Usage] CMCC, China Unicom, Huawei, ZTE, CATT, Samsung CR Rel-18 38.314 17.4.0 0033 1 B TEI18

=> The CR is agreed

Not treated

[R2-2401145](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401145.zip) Introduction of PDCCH CCE Usage for gNB Layer 2 measurement CMCC, Huawei, ZTE, CATT discussion Rel-18 TEI18

[R2-2401146](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401146.zip) Introduction of PDCCH CCE Usage for gNB Layer 2 measurement CMCC, Huawei, ZTE, CATT CR Rel-18 38.314 17.4.0 0033 - B TEI18

[R2-2401390](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401390.zip) [H073]Clarification of cell individual offset in reportConfig [CIO\_in\_ReportConfig] Ericsson, NTT Docomo, Apple CR Rel-18 38.331 18.0.0 4608 - F TEI18

=> Revised in [R2-2401845](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401845.zip)

[R2-2401845](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401845.zip) [E073][H059]Clarification on cell individual offset in ReportConfig [CIO\_in\_ReportConfig] Ericsson, NTT Docomo, Apple, Huawei, HiSilicon CR Rel-18 38.331 18.0.014608 1 F TEI18

=> CellIndividualOffsetList-EUTRA IE should be under event triggered IE

=> The CR is agreed in [R2-2401939](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401939.zip) with the changes above

[R2-2401939](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401939.zip) [E073][H059]Clarification on cell individual offset in ReportConfig [CIO\_in\_ReportConfig] Ericsson, NTT Docomo, Apple, Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4608 2 F TEI18

=> Agreed

[R2-2401392](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401392.zip) [H058]Enhancing SCell A2 event reporting [SCell\_A2\_Enh] Ericsson, Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4609 - F TEI18

=> the CR is agreed

[R2-2400905](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400905.zip) Failure information in RLF-report for inter-RAT mobility SHARP Corporation discussion [R2-2313324](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2313324.zip)

[R2-2401176](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401176.zip) Supported channel bandwidths in SIB Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18

**To be treated in MBS breakout session**

[R2-2400006](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400006.zip) LS on the impact of supporting multicast MBS session and Broadcast MBS session for UEs using eDRX (C1-239661; contact: Nokia) CT1 LS in Rel-18 5MBS\_Ph2 To:RAN2 Cc:SA2

[R2-2400040](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400040.zip) Reply LS to SA2 on RedCap UE MBS Broadcast reception (R3-237959; contact: ZTE) RAN3 LS in Rel-18 TEI18 To:SA2 Cc:RAN2

[R2-2400078](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400078.zip) Reply LS on RedCap UE MBS Broadcast reception (S2-2401506; contact: Nokia) SA2 LS in Rel-18 TEI18, 5MBS\_Ph2 To:RAN2, RAN3 Cc:CT3, CT4

[R2-2400268](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400268.zip) Discussion on SA2 LS on RedCap UE MBS Broadcast Reception CATT discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400269](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400269.zip) Correction to 38.300 for redcap CFR of MBS CATT, CBN, China Broadnet discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400615](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400615.zip) Discussion on LS about MBS FSA ID for the RedCap UEs ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

[R2-2400906](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400906.zip) FSAI for RedCap UE vs non-RedCap UE broadcast reception Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18

[R2-2400908](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400908.zip) Reply LS on RedCap UE MBS Broadcast reception Nokia, Nokia Shanghai Bell LS out Rel-18 TEI18 To:SA2 Cc:RAN3,CT3,CT4

[R2-2400955](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400955.zip) Remaining Issue on Broadcast CFR for Redcap vivo discussion Rel-18 NR\_MBS-Core, TEI18

[R2-2401016](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401016.zip) Discussion on SA2 LS on RedCap UE MBS Broadcast Reception Samsung discussion

[R2-2401174](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401174.zip) eDRX and MICO Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401266](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401266.zip) Clarification on MBS search spaces configuration for Redcap Huawei, HiSilicon discussion Rel-18 TEI18, NR\_MBS\_enh-Core, NR\_redcap\_enh-Core

[R2-2401267](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401267.zip) Correction on MBS search spaces configuration for Redcap Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4594 - F TEI18, NR\_MBS-Core, NR\_redcap-Core

[R2-2401268](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401268.zip) Discussion on the reply to SA2 on RedCap UE MBS Broadcast reception Huawei, HiSilicon discussion Rel-18 TEI18, NR\_MBS\_enh-Core, NR\_redcap\_enh-Core

[R2-2401354](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401354.zip) MBS multicast with eDRX and MICO mode Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2401357](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401357.zip) SA2 questions about MBS RedCap CFR Ericsson discussion Rel-18 TEI18

[R2-2401358](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401358.zip) MBS RedCap CFR in Stage 2 Ericsson discussion Rel-18 TEI18

**To be treated in positioning breakout session**

[R2-2400427](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400427.zip) ASN.1 corrections for TEI18 [PosL2RemoteUE] MediaTek Inc. CR Rel-18 37.355 18.0.0 0488 - F TEI18

=> Revised in [R2-2401458](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401458.zip)

[R2-2401458](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401458.zip) ASN.1 corrections for TEI18 [PosL2RemoteUE] MediaTek Inc. CR Rel-18 37.355 18.0.0 0488 1 F TEI18

[R2-2400626](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400626.zip) Discussion on open issues for BT-AoA-AoD (B007 and other) Lenovo discussion Rel-18 TEI18

[R2-2400627](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400627.zip) Correction on support of Bluetooth positioning mode [BT-AoA-AoD] Lenovo CR Rel-18 38.305 18.0.0 0157 - F TEI18

[R2-2401255](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401255.zip) Corrections to Local Cartesian Coordinates [PosLocalCoords] Qualcomm Incorporated CR Rel-18 37.355 18.0.0 0494 - F TEI18

[R2-2401257](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401257.zip) [RIL Q033] localOrigin-r18 definition is not in agreement with TS 23.032/29.572 Qualcomm Incorporated discussion

[R2-2401315](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401315.zip) Miscelleneous RIL corrections for GNSS LOS/NLOS [GNSS LOS/NLOS] Ericsson, Vodafone, Spirent CR Rel-18 37.355 18.0.0 0495 - F TEI18

[R2-2401316](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401316.zip) Miscellaneous RIL corrections for Bluetooth AoA/AoD [BT-AoA-AoD] Ericsson CR Rel-18 37.355 18.0.0 0496 - F TEI18

[R2-2401338](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401338.zip) LS to RTCM regarding recent SSR updates [Related to RIL WI GNSS-PCV] Ericsson discussion Rel-18

[R2-2401458](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401458.zip) ASN.1 corrections for TEI18 [PosL2RemoteUE] MediaTek Inc. CR Rel-18 37.355 18.0.0 0488 1 F 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

[R2-2400065](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400065.zip) Reply LS on power class indication in lower MSD capability (R4-2321997; contact: Huawei) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2-Core To:RAN2

=> Noted

[R2-2400722](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400722.zip) Further considerations on lower MSD capability Huawei, HiSilicon, Ericsson, Xiaomi, ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

*Proposal#3: It is left to UE implementation to align the power class for lower MSD with the power class indicated in the band combination list and/or BandNR.*

*Proposal#4: Removes the all the following editor’s notes in TS38.331:*

*Editor note: The power class related part can be updated further pending RAN4 discussion.*

=> Noted

[R2-2400234](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400234.zip) Left issues on lower MSD capability OPPO discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

Proposal 1 R2 clarify that whether 1) it is up to UE implementation to derive the “highest power class” and no need to align with the per-band/per-BC/per-band-per-BC power class reported, or 2) the derivation of “highest power class” has to be aligned with the per-band/per-BC/per-band-per-BC power class reported. In case-2, the reported “highest supported power class” is either the power class for the single aggressor band, based on the per-band or the per-band-per-BC power class, or the power class for the two aggressor band in total, based on the per-BC power class.

=> Noted

**Agreements**

1 Include the lower MSD capabilities where the victim band for EN-DC combination is LTE band in the LTE capability container in the LTE specification and the lower MSD capabilities where the victim band for EN-DC combination is NR band in the NR capability container in the NR specification

2 Change the following in TS38.306 for lowerMSD-r18:

- msd-PowerClass-r18 indicates the applicable power class applied for the aggressor band(s) of the CA configuration for the lower MSD capability class reported in msd-Class-r18

3 It is left to UE implementation to align the power class for lower MSD with the power class indicated in the band combination list and/or BandNR.

Not treated

[R2-2401177](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401177.zip) Lower MSD handling Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

[R2-2400723](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400723.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 38.331 18.0.0 4542 - B NR\_ENDC\_RF\_FR1\_enh2

[R2-2400724](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400724.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 38.306 18.0.0 1031 - B NR\_ENDC\_RF\_FR1\_enh2

[R2-2400725](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400725.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 36.331 18.0.0 4991 - B NR\_ENDC\_RF\_FR1\_enh2

[R2-2400726](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400726.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 36.306 18.0.0 1878 - B NR\_ENDC\_RF\_FR1\_enh2

* [AT125][ 023][MSD cap] Agree to CRs (Huawei)

Intended outcome: Agree to CRs by email ([R2-2401944](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401944.zip), [R2-2401945](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401945.zip), [R2-2401946](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401946.zip), [R2-2401947](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401947.zip))

Deadline: Friday 01-03-24

[R2-2401944](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401944.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 38.331 18.0.0 4542 1 B NR\_ENDC\_RF\_FR1\_enh2

=> The CR is endorsed and will be merged in Mega CR

[R2-2401945](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401945.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 38.306 18.0.0 1031 1 B NR\_ENDC\_RF\_FR1\_enh2

=> The CR is endorsed and will be merged in Mega CR

[R2-2401946](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401946.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 36.331 18.0.0 4991 1 B NR\_ENDC\_RF\_FR1\_enh2

=> The CR is agreed

[R2-2401947](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401947.zip) Lower MSD capability for EN-DC Huawei, HiSilicon, Ericsson CR Rel-18 36.306 18.0.0 1878 1 B NR\_ENDC\_RF\_FR1\_enh2

=> The CR is agreed

#### 7.25.1.2 Intra-band non-collocated NR-CA EN-DC

[R2-2401534](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401534.zip) [H075-H077] Miscellaneous corrections on intra-band non-collocated NR-CA, EN-DC Huawei, HiSilicon, OPPO CR Rel-18 38.331 18.0.0 4622 - F NonCol\_intraB\_ENDC\_NR\_CA-Core Late

- Nokia and KDDI thinks only the first type change is needed

- Apple would like to keep the name “~~non~~CollocatedTypeMRDC”. KDDI would like to keep the current name. Nokia has some sympathy with the proposals

=> Update with right formatting

=> The CR is agreed in [R2-2401948](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401948.zip) with the change above

[R2-2401948](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401948.zip) [H075-H077] Miscellaneous corrections on intra-band non-collocated NR-CA, EN-DC Huawei, HiSilicon, OPPO CR Rel-18 38.331 18.0.0 4622 1 F NonCol\_intraB\_ENDC\_NR\_CA-Core

=> Agreed

#### 7.25.1.3 TCI State Switch indication for HST

[R2-2400655](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400655.zip) MAC CR for cross RRH TCI state switch indication Huawei, HiSilicon CR Rel-18 38.321 18.0.0 1745 - F NR\_HST\_FR2\_enh

=> The change is editorial and will be taken by MAC rapporteur for next meeting

#### 7.25.1.4 FR2 Multi Rx operation

[R2-2401287](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401287.zip) RRC RIL list for R18 MultiRx Apple discussion Rel-18 NR\_FR2\_multiRX\_DL-Core

=> All propAgree proposals are agreed

[R2-2401288](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401288.zip) RRC CR addressing MultiRx RIL(s) Apple CR Rel-18 38.331 18.0.0 4598 - F NR\_FR2\_multiRX\_DL-Core

=> The CR is agreed

#### 7.25.1.5 FR2 SCell Enhancements

[R2-2401388](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401388.zip) Correction to MAC for FR2 unknown SCell activation enhancements Ericsson CR Rel-18 38.321 18.0.0 1775 - F NR\_RRM\_enh3

- CATT, Nokia, Qualcomm and Apple indicate that this is the compromise wording from last time so no change needed

=> The CR is not pursued

[R2-2401389](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401389.zip) Correction to RRC for FR2 unknown SCell activation enhancements Ericsson CR Rel-18 38.331 18.0.0 4607 - F NR\_RRM\_enh3

=> The CR is not pursued

#### 7.25.1.6 ATG

[R2-2401144](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401144.zip) ATG ASN1 RIL List CMCC report Rel-18 NR\_ATG-Core

=> All RILs set to PropAgree and PropReject are confirmed.

=> Noted

[R2-2400055](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400055.zip) LS on Layer-1/2/3 ATG UE features and koffset mechanism (R4-2321609; contact: CMCC) RAN4 LS in Rel-18 NR\_ATG To:RAN1, RAN2

=> Noted

[R2-2400851](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400851.zip) Various corrections on ATG Samsung discussion Rel-18 NR\_ATG

*Proposal 1: Allow or do not restrict SIB22 to be broadcasted in a non-ATG cell.*

*Proposal 2: Clarify in Stage 2 that SIB22 can be broadcast in a non-ATG cell.*

- CM, Huawei, Vivo don’t see the need

=> Not supported

*Proposal 3: The height of the reference location is defined for with respect to the WGS84 ellipsoid surface as in 23.032.*

- Qualcomm indicates that height component was introduced by us and not RAN4 and we don’t need to enhance further. CMCC agrees.

=> Not supported

*Proposal 4: Agree text proposal in Appendix B on definition of heightgNB.*

*Proposal 5: For Event D1, in ATG the distance is calculated using geodesic distance between the geodesic coordinates (geodetic longitude and latitude) of the UE and the reference location.*

*Proposal 6: Agree text proposal in Appendix C on Event D1 in ATG scenario.*

- Qualcomm doesn’t think this error is serious.

=> Not supported

=> Noted

[R2-2401136](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401136.zip) Correction on Timing Advance Report MAC CE to TS 38.321 for NR R18 ATG CMCC CR Rel-18 38.321 18.0.0 1765 - F NR\_ATG-Core

=> check offline whether an other ATG should be removed

=> Remove list of impacted specs, update title to delete ‘to TS 38.321’

=> The CR is revised in [R2-2401942](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401942.zip) with the changes above

[R2-2401942](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401942.zip) Correction on Timing Advance Report MAC CE to TS 38.321 for NR R18 ATG CMCC CR Rel-18 38.321 18.0.0 1765 1 F NR\_ATG-Core

=> Update cover page with reason for change (providing more detail, ie. Separate legacy and ATG text for clarity)

=> The CR is agree in R2-2401980 unseen with cover page updated

[R2-2401137](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401137.zip) Miscellaneous corrections to TS 38.331 on NR R18 ATG CMCC CR Rel-18 38.331 18.0.0 4587 - F NR\_ATG-Core

=> Remove list of impacted specs, update title to delete ‘to TS 38.331’, fix formatting

=> The CR is agreed in [R2-2401943](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401943.zip) with changes above

[R2-2401943](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401943.zip) Miscellaneous corrections to TS 38.331 on NR R18 ATG CMCC CR Rel-18 38.331 18.0.0 4587 1 F NR\_ATG-Core

=> The CR is agreed

[R2-2401214](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401214.zip) Discussion on SUL issues for ATG China Telecom discussion

[R2-2401223](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401223.zip) CR on Clarification to SUL issues for ATG China Telecom CR Rel-18 38.300 18.0.0 0800 - F NR\_ATG-Core

- Huawei, CBCC doesn’t think we should restric SUL. Vivo supports the proposals.

=> the CR is not pursued

[R2-2401442](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401442.zip) Discussion on remaining issues of ATG ZTE Corporation discussion Rel-18 NR\_ATG-Core Late

*Proposal 2: Update the UE capability eventD1-MeasReportTrigger-r17 to capture that ATG UE supporting locationBasedCondHandoverATG-r18 always supports location-based triggered measurement reporting.*

- ZTE explains that this is similar to NTN

=> Update the UE capability eventD1-MeasReportTrigger-r17 to capture that ATG UE supporting locationBasedCondHandoverATG-r18 always supports location-based triggered measurement reporting.

=> Noted

[R2-2401956](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401956.zip) Clarification on the eventD1-MeasReportTrigger-r17 for ATG ZTE Corporation draftCR Rel-18 38.306 18.0.0 F NR\_ATG-Core

=> The CR is endorsed and will be merged with mega CR

#### 7.25.1.7 Other

Including BWP operation without restrictions, measurement gaps, etc

Less than 5MHz

[R2-2400032](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400032.zip) LS on inter-frequency neighbour cells supporting NR dedicated spectrum less than 5 MHz for FR1 (R1-2312668; contact: Qualcomm) RAN1 LS in Rel-18 NR\_FR1\_lessthan\_5MHz\_BW To:RAN2, RAN4

=> Noted

[R2-2400430](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400430.zip) Discussion regarding LS on inter-frequency neighbour cells supporting NR dedicated spectrum less than 5 MHz for FR1 Qualcomm Incorporated discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW-Core

Proposal 1. Reply to RAN1 indicating that yes there are backward compatibility issues for legacy UEs not supporting less than 5MHz if they are provided with a neighbour cell info in the existing SIB4 list with SSB on the new GSCN value.

*Proposal 2. From RAN2 point of view, it is feasible to use ARFCN-ValueNR = 250 (corresponding to GSCN = 2) as reserved value.*

*Proposal 3. Add a parallel list to interFreqCarrierFreqList in SIB4 to indicate the dl-CarrierFreq-r18 of the <5MHz neighbor cells. If the new value is included, legacy dl-CarrierFreq will be set to the reserved value by the network and ignored by the new UE.*

*Proposal 4. RAN2 requests RAN4 to define the ‘reserved’ values of GSCN =2 / ARFCN-ValueNR =250, and capture in RAN4 specification, e.g. in Table 5.4.3.1-1 in TS 38.101-1. Send LS to RAN4.*

*Proposal 5. RAN2 will introduce changes in NR SIB11 > measIdleConfigSIB-r16, NR SIB19 and LTE SIB24 to enable signalling of <5MHz cells applicable only for UEs supporting <5MHz CBW.*

*Proposal 6. Discuss and agree to CR for TS 38.331 in [2] and CR for TS 36.331 in [3].*

*Proposal 7. Reply to RAN1 that RAN2 will add a new parallel list in SIB4 to overcome the issue from question 1. Also indicate that RAN2 will introduce changes for NR SIB11, NR SIB19 and LTE SIB24. Attach the CRs in the reply. Draft Reply LS is provided in [4].*

=> Noted

[R2-2400259](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400259.zip) Discussion on RAN1 LS in [R2-2400032](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400032.zip) on inter-frequency configuration in SIB4 with new CSGN for less-than-5MHz CATT discussion

*Proposal 1: For the case that a frequency with new GSCN for less-than-5MHz and the legacy frequencies are commonly indicated in the existing inter-frequency list in SIB4, RAN2 confirms that a UE not supporting less-than-5MHz may still be able to detect a cell on the frequency with new GCSN for less-than-5MHz channel BW, if it supports the corresponding frequency band (e.g. n26/28/85/100).*

*Proposal 2: If P1 is agreed, RAN2 further confirms that due to MIB/SIB1 acquisition failure, the cell detected on the frequency with less-than-5MHz channel BW as in P1 shall be barred for the UE not supporting less-than-5MHz, so the UE will not wrongly access the cell in the frequency with new CSGN for less-than-5MHz. (This can be already supported by the existing Spec w/o need of any enhancements).*

*Proposal 3: Inform RAN1 that no NBC issue is identified from RAN2 perspective in the scenario raised by RAN1.*

=> Noted

[R2-2400714](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400714.zip) Discussion on indicating inter-frequency neighbour cells of less than 5 MHz Huawei, HiSilicon discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW

=> Noted

[R2-2400706](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400706.zip) On NR neighbour cells supporting dedicated spectrum less than 5MHz for FR1 MediaTek Inc. discussion Rel-18 NR\_FR1\_lessthan\_5MHz\_BW-Core

=> Noted

Discussion

- Mediatek thinks it is obvious that there is backward compatibility issue.

- Huawei thinks that we can just have a separate list for the new UE and legacy UEs can’t read the SIBs. Then we need to find a work around of the parallel list.

- Nokia suggests using a second SIBs

- ZTE thinks that SIB11 and SIB19 is not needed.

**Agreements**

1 Reply to RAN1 indicating that yes there are backward compatibility issues for legacy UEs not supporting less than 5MHz if they are provided with a neighbour cell info in the existing SIB4 and LTE SIB24 list with SSB on the new GSCN value. This is the case for both inter-RAT and inter-frequency.

2 RAN2 will address the issue. Legacy UEs will not be able to measure and reselect to <5MHz neighbor cells, by making use of a second list. FFS the details. FFS if SIB11 should also be considered

* [AT125] [011] [less5MHz] Reply LS to RAN1 (Qualcomm)

Intended outcome: agree to reply LS by email ([R2-2401885](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401855.zip))

Deadline: Friday 01-03-24

* [POST125] [012] [less5MHz] Backward compatibility issue(Qualcomm)

Intended outcome: Agreable solution/proposal to solve the backwards compatibility issue and also whether SIB11 should be considered

Deadline: March 28, 24

[R2-2400433](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400433.zip) [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

=> Revised in [R2-2401855](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401855.zip)

[R2-2401885](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401855.zip) 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

=> The LS is approved

[R2-2400431](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400431.zip) Introduction of NR support for dedicated spectrum less than 5MHz for FR1 Qualcomm Incorporated CR Rel-18 38.331 18.0.0 4525 - B NR\_FR1\_lessthan\_5MHz\_BW-Core

[R2-2400432](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400432.zip) Introduction of NR support for dedicated spectrum less than 5MHz for FR1 Qualcomm Incorporated CR Rel-18 36.331 18.0.0 4983 - B NR\_FR1\_lessthan\_5MHz\_BW-Core

[R2-2400063](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400063.zip) LS on 2Tx-TxD capability and 4Tx-TxD capability (R4-2321983; contact: Samsung) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2-Core To:RAN

=> Noted

[R2-2401506](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401506.zip) Clarification on TxDiversity for 2Tx Vivo, Samsung, Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1053 - F TEI16, NR\_RF\_TxD-Core, 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC Late

- CATT asks if we need a Rel-16/17 CR. Vivo is ok with such clarification. Samsung thinks technically it may good but RAN4 intention is not to change R16/17 cap. description. Nokia agrees with Samsung.

=> update description to “This field is only applicable for single CC case (i.e. non-CA)”

=> The CR is endorsed in [R2-2401856](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401856.zip) with the change above

=> Revised in [R2-2401856](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401856.zip)

[R2-2401856](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401856.zip) Clarification on TxDiversity for 2Tx Vivo, Samsung, Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1053 1 F TEI16, NR\_RF\_TxD-Core, 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC

=> Endorsed

[R2-2400867](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400867.zip) Clarification to Tx diversity capabilities Nokia, Nokia Shanghai Bell CR Rel-18 38.306 18.0.0 1032 - F 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC-Core, NR\_ENDC\_RF\_FR1\_enh2-Core

- Vivo doesn’t think that this note is necessary. Ericsson explains that these tx capabilities are very different and are not expected to be used by the network.

=> The CR is not pursued

[R2-2400235](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400235.zip) Left issues on per-BC-per-band Tx-diversity OPPO discussion Rel-18 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC-Core, NR\_ENDC\_RF\_FR1\_enh2-Core

[R2-2401033](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401033.zip) Clarification on the Tx Diversity Capability ZTE Corporation, Sanechips discussion Rel-18 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC-Core

*Proposal 3: Ran2 to clarify that for the single cc that is fallback from a parent BC without reporting txDiversity2Tx-r18, the NW determines the 2 Tx diversity capability based on the txDiversity-r16.*

* Option 1: Clarify that for the single cc that is fallback from a parent BC without reporting txDiversity2Tx-r18, the NW determines the 2 Tx diversity capability based on the txDiversity-r16.*

* Option 2: UE reports such kind of single CC as a separate BC.*

- Oppo agrees. CATT indicates that RAN4 already confirms. Samsung thinks RAN4 assumes that they are independently reporting based on UE implementation. Vivo and Huawei agrees with Samsung. Oppo and Qualcomm thinks that this is UE implementation so need to downselect.

=> Noted

[R2-2400049](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400049.zip) LS on new per band per BC TxD capability (R4-2317762; contact: Huawei) RAN4 LS in Rel-18 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC-Core To:RAN2

=> Noted

[R2-2400464](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400464.zip) RIL list for BWP\_Wor vivo, Vodafone discussion Rel-18 NR\_BWP\_wor-Core

=> All RILs are resolved and RIL list will be updated by rapporteur

[R2-2400465](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400465.zip) [V990-V992] Miscellaneous corrections on TS 38.331 for BWP operation without restriction vivo, Vodafone CR Rel-18 38.331 18.0.0 4531 - F NR\_BWP\_wor-Core

- ZTE thinks that this is a Rel-16 IE. Vivo explains that the last sentence modified was only added for Rel-18.

=> The CR is revised to also include V993 and will be reviewed over email

* [AT125][013][BWP wo Res] LS and saree to 38.331 CR(Vivo)

Intended outcome: Review and agree to updated CR ([R2-2401857](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401857.zip)) and LS to RAN1 ccRAN4 ([R2-2401858](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401858.zip)) and updated RIL List ([R2-2401859](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401859.zip))

Deadline: Friday 01-03-24

[R2-2400463](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400463.zip) Miscellaneous corrections on TS 38.300 for BWP operation without restriction vivo, Vodafone CR Rel-18 38.300 18.0.0 0780 - F NR\_BWP\_wor-Core

=> The formatting needs to be updated

=> The CR is agreed in [R2-2401949](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401949.zip)

[R2-2401949](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401949.zip) Miscellaneous corrections on TS 38.300 for BWP operation without restriction vivo, Vodafone CR Rel-18 38.300 18.0.0 0780 1 F NR\_BWP\_wor-Core

=> Agreed

[R2-2401857](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401857.zip) [V990-V992] Miscellaneous corrections on TS 38.331 for BWP operation without restriction vivo, Vodafone CR Rel-18 38.331 18.0.0 4531 1 F NR\_BWP\_wor-Core

=> The CR is agreed

[R2-2401858](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401858.zip) [LS to RAN1] vivo LS out Rel-18 NR\_BWP\_wor-Core To:RAN1 Cc:RAN4

=> The LS is approved

[R2-2401859](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401859.zip) RIL list for BWP\_Wor vivo, Vodafone discussion Rel-18 NR\_BWP\_wor-Core

=> Resolutions in RIL list are approved

[R2-2401483](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401483.zip) [V993] Discussion on NCD-SSB time offset for BWP\_Wor vivo, Guangdong Genius discussion Rel-18 NR\_BWP\_wor-Core Late

=> For non-RedCap UE in TDD using NCD-SSB, the network ensures that the NCD-SSB time domain location is a subset of the time domain location of CD-SSB. The specification update will be aligned with RedCap UE. Detailed TP is provided in Annex A.

[V993] is considered agreed

=> Noted

[R2-2401533](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401533.zip) RIL list for advanced receiver CATT, China Telecom discussion Rel-18 NR\_demod\_enh3-Core Late

=> All RILs are resolved

=> Noted

[R2-2401113](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401113.zip) Correction on network RRC signalling for advanced receiver CATT, China Telecom CR Rel-18 38.331 18.0.0 4585 - F NR\_demod\_enh3-Core

=> The CR is not following the 3GPP styles, need to be updated

=> The CR is agreed in [R2-2401860](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401860.zip) with the styles updated

[R2-2401360](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401360.zip) Support of Enhanced channel raster for (e)RedCap Ericsson discussion Rel-18 NR\_channel\_raster\_enh

=> Separate CRs will be agreed if early implementability is confirmed

=> Noted

[R2-2400841](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400841.zip) UE capability for Enhanced channel raster Ericsson CR Rel-18 38.331 18.0.0 4445 1 B NR\_channel\_raster\_enh [R2-2312819](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312819.zip)

=> The CRs will be revised and agreed by email after RAN4 feature list is received

[R2-2400842](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400842.zip) UE capability for Enhanced channel raster Ericsson CR Rel-18 38.306 18.0.0 0994 1 B NR\_channel\_raster\_enh [R2-2312820](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312820.zip)

=> The CRs will be revised and agreed by email after RAN4 feature list is received

* [POST125][014][Enh Chann Rast] UE capabilities (Ericsson)

Intended outcome: Agree to 38.306 and 38.331 CRs (pending on RAN4 progress)

Deadline: short

[R2-2400903](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400903.zip) Introduction of Rel-18 HST FR2 RRM enhancements Samsung, Qualcomm, Ericsson CR Rel-18 38.331 18.0.0 4428 1 B NR\_HST\_FR2\_enh [R2-2312379](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2312379.zip)

- Huawei thinks that this needs to be done from Rel-17. Samsung and Ericsson thought that Rel-18 is sufficient

=> Update formatting

=> the CR is endorsed and will be further updated with correct formatting and pending RAN4 agreement

* [POST125][015][HST] Agree to CR (Samsung)

Intended outcome: Agree to final CR pending RAN4 LS

Deadline: Friday 01-03-24

[R2-2401124](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401124.zip) Correction on further measurement gap enhancements MediaTek Inc. (Rapporteur) CR Rel-18 38.331 18.0.0 4586 - F NR\_MG\_enh2-Core

- E100 procedure text should reflect the IE code

=> Update with right formatting and RIL list

* [AT125][016][MG enh] Agree to 38.331 (Mediatek)

Intended outcome: agree to 38.331 ([R2-2401861](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401861.zip)) and RIL List ([R2-240186](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401862.zip)2)

Deadline: Friday 01-03-24 Friday 08-03-24

[R2-2401861](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401861.zip) Correction on further measurement gap enhancements MediaTek Inc. (Rapporteur) CR Rel-18 38.331 18.0.0 4586 1 F NR\_MG\_enh2-Core

=> The CR is agreed

[R2-2401862](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401862.zip) [RIL list] MediaTek Inc. discussion Rel-18 NR\_MG\_enh2-Core

- Resolutions in the RIL list are approved

=> Noted

[R2-2400466](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400466.zip) [V993] Discussion on NCD-SSB time offset for BWP\_Wor vivo CR Rel-18 38.331 18.0.0 4532 - F NR\_BWP\_wor-Core

=> Withdrawn

[R2-2400467](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400467.zip) Clarification on TxDiversity for 2Tx vivo, Samsung, Huawei, Hisilicon CR Rel-18 38.331 18.0.0 4533 - F NR\_RF\_TxD-Core, 4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC

=> Withdrawn

### 7.25.2 RAN1 led items

E.g. UL Tx Switching, MC enhancements, DSS

[R2-2400064](C:\\Users\\panidx\\OneDrive - InterDigital Communications, Inc\\Documents\\3GPP RAN\\TSGR2_125\\Docs\\R2-2400064.zip) LS on Rel-18 Tx switching enhancement (R4-2321986; contact: Huawei) RAN4 LS in Rel-18 NR\_MC\_enh-Core To:RAN2, RAN1

=> Noted

[R2-2400738](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400738.zip) RRC RIL issue list for Rel-18 Multi-carrier enhancements Huawei, HiSilicon report Rel-18 NR\_MC\_enh-Core

=> All RILs have been resolved. Huawei will update list with status of [N041]

[R2-2400739](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400739.zip) Rapp RRC CR for Rel-18 Multi-carrier enhancements Huawei, HiSilicon, NTT DOCOMO INC., Intel, Qualcomm CR Rel-18 38.331 18.0.0 4550 - F NR\_MC\_enh-Core

* [AT125][038][MC Enh] RRC CR (Huawei)

Intended outcome: agree to CR

Deadline: Short

[R2-2401178](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401178.zip) [N041] Multicarrier DCI Scheduling Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MC\_enh-Core

- NTT Docomo confirmed with RAN1 colleagues

=> The resolution is agreed with “primary” not deleted in field description of pdsch-HARQ-ACK-enhType3DCIfieldDCI-1-3

[R2-2400741](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400741.zip) On ambiguity issue of switching period (LS R4-2321986) Huawei, HiSilicon, OPPO, Apple, Ericsson, NTT DOCOMO INC. discussion Rel-18 NR\_MC\_enh-Core

*Proposal 1: To refine the RAN4 agreed UE capability as below:*

*For a given BC supporting UL Tx switching across up to 4 bands:*

*- When the optional capability is not reported, it means all the fallback BCs are supported by the UE as legacy with the same switching capabilities reported in the parent BC including switching period as legacy.*

*- When the optional capability is reported, it means all the fallback BCs are supported by the UE with the largest switching period value, i.e. 210us.*

*- No matter the optional capability is reported or not, the UE can advertise fallback band combinations with different/same switching period by separate BandCombination entries as legacy in case of different fallback.*

*Proposal 2: To refine the RAN4 agreed RRC configuration as below: For each band pair, a RRC parameter is introduced to configure switching period value between value 35 us and 140 us. When the RRC parameter is absent, 210us is applied.*

- ZTE has some concern and agree to introduce the RRC signaling but if there is no ambiguity the field is not needed.

- Huawei thinks that this may introduce some complexity in the UE side as it would need to understand network. ZTE doesn’t agree as we don’t have a problem with Rel-16/17. If you don’t signal the field then it means the UE doesn’t have ambiguity. Qualcomm is good with Huawei’s approach.

- ZTE thinks that the network will ensure that a configuration will not cause a problem for the UE.

**Agreements**

1 To refine the RAN4 agreed UE capability as below:

For a given BC supporting UL Tx switching across up to 4 bands:

- When the optional capability is not reported, it means all the fallback BCs are supported by the UE as legacy with the same switching capabilities reported in the parent BC including switching period as legacy.

- When the optional capability is reported, it means all the fallback BCs are supported by the UE with the largest switching period value, i.e. 210us.

- No matter the optional capability is reported or not, the UE can advertise fallback band combinations with different/same switching period by separate BandCombination entries as legacy in case of different fallback.

2 To refine the RAN4 agreed RRC configuration as below: For each band pair, a RRC parameter is introduced to configure switching period value between value 35 us and 140 us. When the RRC parameter is absent, 210us is applied.

[R2-2401331](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401331.zip) Discussion on change of MAC spec for Multi-carrier enhancements NTT DOCOMO, INC. discussion Rel-18

[R2-2401334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401334.zip) Introduction of Multi-carrier enhancements NTT DOCOMO INC. draftCR Rel-18 38.321 18.0.0 B NR\_MC\_enh-Core

- Nokia thinks that this can be captured in 213. Docomo explains that RAN1 decided to not capture it there.

=> Check and add impacted specs to cover page

=> update the formatting styles of the changes and check with Nokia on some wording

* [AT125][009][MC enh] Agree to MAC CR(NTT Docomo)

Intended outcome: Agree to update to [R2-2401334](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401334.zip) by email ([R2-2401854](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401854.zip))

Deadline: Friday 01-03-24

[R2-2401854](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401854.zip) Introduction of Multi-carrier enhancements NTT DOCOMO INC. draftCR Rel-18 38.321 18.0.0 B NR\_MC\_enh-Core

=> The CR is revised in R2-2401970

R2-2401970 Introduction of Multi-carrier enhancements NTT DOCOMO INC. draftCR Rel-18 38.321 18.0.0 B NR\_MC\_enh-Core

=> The CR is agreed

[R2-2400236](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400236.zip) Left Issues on Tx-Switching OPPO discussion Rel-18 NR\_MC\_enh-Core

*Proposal 1 Rely on switchingAdditionalPeriodDualUL-r18 to report min {max(Tswitch\_A-C, Tswitch\_B-D), max(Tswitch\_A-D, Tswitch\_B-C)}.*

*Proposal 2 R2 clarify in 306 that when switchingAdditionalPeriodDualUL-r18 is used to report min {max(Tswitch\_A-C, Tswitch\_B-D), max(Tswitch\_A-D, Tswitch\_B-C)}, the default max {max(Tswitch\_A-C, Tswitch\_B-D), max(Tswitch\_A-D, Tswitch\_B-C)} is also applicable (but for different switching cases, as stated in R4-2317609).*

- Apple is not sure about proposal 2.

*Proposal 3 R2 clarify in 306 that when switchingAdditionalPeriodDualUL-r18 is used to report a value larger than max(Tswitch\_A-D, Tswitch\_B-C)}, the default max {max(Tswitch\_A-C, Tswitch\_B-D), max(Tswitch\_A-D, Tswitch\_B-C)} is not applicable*

=> Noted

**Agreements**

* Rely on switchingAdditionalPeriodDualUL-r18 to report min {max(Tswitch\_A-C, Tswitch\_B-D), max(Tswitch\_A-D, Tswitch\_B-C)}.
* Send an LS to RAN4 to explain the full RAN2 solution. Pending RAN4 response RAN2 will revisit agreement if needed
* [AT125][010][MC Enh] LS to RAN4 (Oppo)

Intended outcome: Approve LS on RAN2 agreements related to UL tx switching

Deadline: Friday 01-03-24

[R2-2401969](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401969.zip) Reply LS on Rel-18 UL Tx switching for parallel switching on four bands OPPO LS out Rel-18 NR\_MC\_enh-Core To:RAN4 Cc:RAN1

=> The LS is approved

[R2-2401216](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401216.zip) Discussion on UL Tx switching for parallel switching on four bands MediaTek Inc. discussion Rel-18 NR\_MC\_enh-Core

.- Qualcomm and Docomo explain why we made the decision, to have a general solution

- Mediatek thinks that the solution doesn’t capture RAN4 input so we should send an LS to check if this general solution works as per RAN4 agreement.

=> Noted

Not treated

[R2-2401441](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401441.zip) Discussion on remaining issues of Rel-18 UL Tx switching ZTE Corporation discussion Rel-18 NR\_MC\_enh-Core Late

[R2-2401217](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401217.zip) [DRAFT] Reply LS on resolving Tx switching ambiguity issue MediaTek Inc. LS out Rel-18 NR\_MC\_enh-Core To:RAN4 Withdrawn

[R2-2401225](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401225.zip) [DRAFT] Reply LS on Rel-18 UL Tx switching for parallel switching on four bands MediaTek Inc. LS out Rel-18 NR\_MC\_enh-Core To:RAN4

### 7.25.3 Other

RAN3, SA2, SA3, CT1 led items and others, e.g. eNPN, Slicing, NTN self evaluation issues, etc.

[R2-2400217](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400217.zip) LS on Trace functionality extension in N3IWF for non-3GPP access scenarios (S5-241051; contact: Nokia) SA5 LS in Rel-18 TEI18 To:RAN3 Cc:RAN2

[R2-2400657](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400657.zip) Draft reply LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE Huawei LS out Rel-18 URLLC\_Mgt To:SA5 Cc:SA, RAN3

[R2-2400656](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400656.zip) Discussion on the issues in the LS S5-237941 Huawei, HiSilicon discussion Rel-18 URLLC\_Mgt

[R2-2400774](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400774.zip) [Draft] Reply LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE Samsung LS out To:SA5 Cc:SA, RAN3

=> Revised in [R2-2401676](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401676.zip)

[R2-2401676](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401676.zip) Reply LS on issues with Packet Uu Loss Rate with delay threshold in the DL per DRB per UE RAN2 LS out To:SA5 Cc:SA, RAN3

[R2-2401097](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401097.zip) Discussion on the LS from SA5 about Packet Uu Loss Rate with delay threshold CATT discussion Rel-18 URLLC\_Mgt

[R2-2400775](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400775.zip) Clarification on packet loss rate with delay threshold Samsung CR Rel-17 38.314 17.4.0 0032 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2400745](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2400745.zip) MPS setup Ericsson discussion Rel-18

# 8 Breakout session reports

No documents shall be submitted to this AI or its sub-AIs. It is only for at-meeting-generated contents.

## 8.1 Session on LTE V2X and NR SL

[R2-2401541](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401541.zip) Report from session on LTE V2X and NR SL Vice Chairman (Samsung)

=> The report is approved

## 8.2 Session on NR MIMO evolution and Multi-SIM

[R2-2401542](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401542.zip) Report from session on NR MIMO evolution and Multi-SIM Vice Chairman (CATT)

=> The report is approved

## 8.3 Session on NR NTN and IoT NTN

[R2-2401543](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401543.zip) Report from Break-Out Session on NR NTN and IoT NTN Session chair (ZTE)

=> The report is approved

## 8.4 Session on positioning and sidelink relay

[R2-2401544](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401544.zip) Report from session on positioning and sidelink relay Session chair (MediaTek)

=> The Report is approved

## 8.5 Session on Mobility Enh and Mobile IAB

[R2-2401545](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401545.zip) Report from session on Mobility Enh and Mobile IAB Session chair (MediaTek)

=> Mobility WI can be considered completed from R2 point of view

=> The report is approved

## 8.6 Session on MBS and QoE

[R2-2401546](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401546.zip) Report from session on MBS and QoE Session chair (Huawei)

=> The report is approved

R2-2401668

=> The CR is agreed

R2-2401669

=> The CR is moved to post to fix again formatting issues

## 8.7 Session on SON/MDT and NCR

[R2-2401547](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401547.zip) Report from SON/MDT and NCR session Session chair (Apple)

=> The report is approved

## 8.8 Session on IDC

[R2-2401548](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401548.zip) Report from IDC breakout session Session chair (Intel)

=> The report is approved

## 8.9 Session on maintenance and eRedCap

[R2-2401549](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401549.zip) Report from maintenance and eRedCap breakout session Session chair (Ericsson)

=> The report is approved

## 8.10 Session on further NR coverage enhancements

[R2-2401550](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_125\Docs\R2-2401550.zip) Report from Further NR coverage enhancements session Session chair (ZTE)

=> The report is approved

Email discussions from breakout sessions

* [POST125][101][V2X/SL] RRC CR update (OPPO)

**Scope:** Approve Rel-18 RRC CR (including agreements made RAN2#125)

**Intended outcome:** RRC CR in R2-2401781. RIL list in R2-2401782

**Deadline:** Short email discussion.

* [POST125][102][V2X/SL] MAC CR update (LG)

**Scope:** Approve Rel-18 MAC CR (including R2-2400962 and agreements made RAN2#125)

**Intended outcome:** MAC CR in R2-2401783

**Deadline:** Short email discussion

* [POST125][107][V2X/SL] IUC or DRX in co-channel co-existence (Xiaomi)

**Scope:** Prepare LS to RAN1 (including discussion on detailed wordings)

**Intended outcome:** LS in R2-2401796.

**Deadline:** Short email discussion

* [Post125][201][MUSIM] RRC CR and RIL list for MUSIM (vivo)

**Scope**: Update and review the RRC CR and RIL list based on the agreements in the meeting

**Intended outcome**: Agreed CR in R2-2401553, and RIL list in R2-2401554

**Deadline**: 1 week

* [Post125][202][MIMOevo] MAC CR for MIMOevo (Samsung)

**Scope**: Update and review the MAC based on the agreements in the meeting

**Intended outcome**: Agreed CR in R2-2401555

**Deadline**: 1 week

* [Post125][203][MIMOevo] RRC CR and RIL list for MIMOevo (Ericsson)

**Scope**: Update and review the RRC CR and RIL list based on the agreements in the meeting

**Intended outcome**: Agreed CR in R2-2401556, and RIL list in R2-2401557

**Deadline**: 1 week

* [Post125][301][NR-NTN Enh] 38.331 CR (Ericsson)

Scope: update the RRC CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401589): short

* [Post125][302][NR-NTN Enh] 38.321 CR (Interdigital)

Scope: draft a MAC CR for other aspects than RACH-less HO, with meeting agreements/based on discussion on aspects marked for post meeting discussion

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401590): short

* [Post125][303][NR-NTN Enh] 38.304 CR (ZTE)

Scope: update the 38.304 CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401591): short

* [Post125][304][NR-NTN Enh] 37.355 CR (CATT)

Scope: update the 37.355 CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401592): short

* [Post125][305][NR-NTN Enh] UE Caps CRs (Intel)

Scope: draft CRs with meeting agreements

Intended outcome: Endorsed CRs

Deadline for agreed CR (in R2-2401593 and R2-2401594): very-short

* [Post125][306][IoT-NTN Enh] 36.331 CR (Huawei)

Scope: update the RRC CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401595): short

* [Post125][307][NR-NTN Enh] 36.321 CR (Mediatek)

Scope: draft a MAC CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401596): short

* [Post125][308][IoT-NTN Enh] 36.304 CR (Nokia)

Scope: update the 36.304 CR based on input papers at RAN#125

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401597): short

* [Post125][309][IoT-NTN Enh] 36.306 CR (Qualcomm)

Scope: Draft a 36.306 CR based on input papers at RAN#125

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401598): short

* [Post125][310][IoT-NTN Enh] Stage 2 CR (Ericsson)

Scope: Update the Stage 2 CR with meeting agreements

Intended outcome: Agreed CR

Deadline for agreed CR (in R2-2401584): short

* [Post125][401][Relay] 38.300 Rel-18 relay CR (LG)

Scope: Update and check the CR in R2-2400504, taking into account discussion of the MCG terminology.

Intended outcome: Agreed CR in R2-2401636

Deadline: Short (for RP)

* [Post125][402][Relay] 38.331 Rel-18 relay CR (Huawei)

Scope: Update and check the CR in R2-2400737.

Intended outcome: Agreed CR in R2-2401646

Deadline: Short (for RP)

* [Post125][403][Relay] Rel-18 SRAP relay CR (OPPO)

Scope: Update and check the CR in R2-2400633.

Intended outcome: Agreed CR in R2-2401647

Deadline: Short (for RP)

* [Post125][404][Relay] 38.321 Rel-18 relay CR (Apple)

Scope: Update and check the CR in R2-2400948.

Intended outcome: Agreed CR in R2-2401634

Deadline: Short (for RP)

* [Post125][405][Relay] 38.323 Rel-18 relay CR (InterDigital)

Scope: Update and check the CR in R2-2401073.

Intended outcome: Agreed CR in R2-2401635

Deadline: Short (for RP)

* [Post125][406][Relay] 38.306 and 38.331 Rel-18 relay capability CRs (Samsung)

Scope: Update and check the draft CRs in R2-2400566 and R2-2400567

Intended outcome: Endorsed draft CRs for merge into mega CRs, in R2-2401648 (38.306) and R2-2401649 (38.331)

Deadline: Very short (for merge)

* [Post125][407][POS] 38.355 Rel-18 positioning CR (Intel)

Scope: Update and check the CR in R2-2400360.

Intended outcome: Agreed CR in R2-2401650

Deadline: Short (for RP)

* [Post125][408][POS] 37.355 Rel-18 positioning CR (CATT)

Scope: Update and check the CR in R2-2401082.

Intended outcome: Agreed CR in R2-2401631

Deadline: Short (for RP)

* [Post125][409][POS] 38.331 Rel-18 positioning CR (Ericsson)

Scope: Update and check the CR in R2-2401318.

Intended outcome: Agreed CR in R2-2401632

Deadline: Short (for RP)

* [Post125][410][POS] 38.321 Rel-18 positioning CR (Huawei)

Scope: Update and check the CR in R2-2400338.

Intended outcome: Agreed CR in R2-2401630

Deadline: Short (for RP)

* [Post125][411][POS] 38.304 Rel-18 positioning CR (Huawei)

Scope: Draft and check a CR to 38.304 capturing decisions of RAN2#125.

Intended outcome: Agreed CR in R2-2401911

Deadline: Short (for RP)

* [Post125][412][POS] 38.306 and 38.331 Rel-18 positioning capability CRs (Xiaomi)

Scope: Update and check the draft CRs in R2-2401527 and R2-2401528.

Intended outcome: Endorsed draft CRs for merge into mega CRs, in R2-2401638 (38.306) and R2-2401639 (38.331)

Deadline: Very short (for merge)

* [Post125][413][POS] 37.355 Rel-18 positioning capability CR (Xiaomi)

Scope: Update and check the draft CR in R2-2401529.

Intended outcome: Agreed CR in R2-2401640

Deadline: Short (for RP)

* [Post125][414][POS] LS to RAN1/RAN4 on positioning MAC questions (Huawei)

Scope: Draft an LS to RAN1/RAN4 asking the questions on MAC that were identified in the meeting agreements of RAN2#125.

Intended outcome: Approved LS in R2-2401912

Deadline: Short (not for RP)

* [Post125][415][POS] 38.355 Rel-18 positioning capability CR (Xiaomi)

Scope: Check and update the draft CR in R2-2401526.

Intended outcome: Agreed CR in R2-2401641

Deadline: Short (for RP)

* [Post125][416][Relay] LS to SA2 on L2ID and user info (Qualcomm)

Scope: Reply to the LS in R2-2400072 indicating our agreements under R2-2401615 and inviting SA2/CT1 to determine any spec impact and if they have a concern.

Intended outcome: Approved LS

Deadline: Short (not for RP)

* [Post125][418][POS] LS to RAN1 on decisions on SLPP (Intel)

Scope: Draft an LS to RAN1 informing them of decisions from the discussion of SLPP at RAN2#125.

Intended outcome: Approved LS

Deadline: Short (not for RP)

* [Post125][419][POS] 38.305 Rel-18 positioning CR (Qualcomm)

Scope: Check the CR in R2-2401243.

Intended outcome: Agreed CR

Deadline: Short (for RP)

* [Post125][420][Relay] Rel-17 relay RRC CR (Huawei)

Scope: Check the merged CRs in R2-2401621 and R2-2401622 and confirm agreeability.

Intended outcome: Agreed CRs

Deadline: Short (for RP)

* [Post125][512][feMob] 38300 (MediaTek)

Scope: Treat and review R2-2400543, R2-2401381, R2-2401061, R2-2400140. Include agreeable parts, include additional impact due to meeting progress (if any).

Intended outcome: Agreed 38300 CR

Deadline: Short

* [Post125][513][feMob] 37340 (ZTE)

Scope: Treat and review R2-2400310, R2-2401140, R2-2401170. Include agreeable parts, include additional impact due to meeting progress (if any).

Intended outcome: Agreed 37340 CR

Deadline: Short

* [Post125][514][feMob] 38331 (Ericsson)

Scope: Review R2-2401382. Include progress of current meeting, treat remaining points needing further discussion (if any). Include agreeable parts.

Intended outcome: Agreed 38331 CR

Deadline: Short

* [Post125][515][feMob] 38321 (Huawei)

Scope: Review R2-2400139. Include progress of current meeting, treat remaining points needing further discussion (if any), Include agreeable parts.

Intended outcome: Agreed 38321 CR

Deadline: Short

* [Post125][516][feMob] UE capabilities (Intel)

Scope: Include progress of current meeting. Treat remaining points needing further discussion. Include agreeable parts. Review resulting TPs.

Intended outcome: Endorsed 38306 and 38331 CR

Deadline: Short (for Merge)

* [Post125][517][feMob] CRs for Obj7 (Nokia)

Scope: Include progress of current meeting. Treat remaining points needing further discussion. Include agreeable parts. Review resulting CRs.

Intended outcome: Agreed RRC Cat-B CR. Agreed or Endorsed-for-merge UE caps 38306 and 38331 Cat-B CRs

Deadline: Short

* [Post125][518][mIAB] 38331 (Ericsson)

Scope: Review R2-2401371, Include progress of current meeting.

Intended outcome: Agreed 38331 CR

Deadline: Short

* [Post125][519][feMob] LS to RAN3 on SCPAC inter node agreements (Ericsson)

Scope: LS to inform R3 about agreements on SCPAC inter node agreements

Intended outcome: Approved LS out

Deadline: Short (not for RP)

* [POST125][610][eMBS] RRC CR and updated RIL status (Huawei)

Scope: Update and review the RRC CR and RIL list according to the agreements from the meeting.

Intended outcome: Endorsed RIL status in R2-2401663 and agreed 38.331 CR in R2-2401664

Deadline: Short

* [POST125][611][QoE] RRC CR and updated RIL status (Ericsson)

Scope: Update and review the RRC CR and RIL list according to the agreements from the meeting.

Intended outcome: Endorsed RIL status in R2-2401665 and agreed 38.331 CR in R2-2401666

Deadline: Short

* [POST125][614][eMBS] Stage-2 rapporteur CR (CMCC)

Scope: Agree final Stage-2 CR.

Intended outcome: Agreeable CR in R2-240xxxx

Deadline: Short

Long post-meeting e-mail discussions:

* [POST125][612][TEI18] CR for MBS operation with eDRX/MICO (Nokia)

Scope: Draft and review the 38.304 CR for MBS operation with eDRX/MICO according to the agreements made during the meeting.

Intended outcome: Agreeable 38.304 CR

Deadline: Long

* [Post125][654][SONMDT] TS 36.331 (Huawei)

Scope: revise the CR in accordance with the agreements in the meeting.

Intended outcome: Agreed CR in R2-2401681

Deadline: Short (for RP)

* [Post125][655][SONMDT] TS 38.331 (E///)

Scope: revise the CR in accordance with the agreements in the meeting.

Intended outcome: Agreed CR in R2-2401682

Deadline: Short (for RP)

* [Post125][656][NCR] TS 38.331 (ZTE)

Scope: check the CR in R2-2401677.

Intended outcome: Agreed CR in R2-2401683 (if changes are needed, otherwise we can agree R2-2401677)

Deadline: Short (for RP)

* [Post125][656][NCR] TS 38.304 (Samsung)

Scope:check the CR in R2-2401680 .

Intended outcome: Agreed CR in R2-2401684 (if changes are needed, otherwise we can agree R2-2401680)

Deadline: Short (for RP)

* [Post125][763][SRS-only cell] Bandwidth of the SRS-only Cell (ZTE)

Scope:

* + - Discuss and conclude whether we can confirm P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip)

      Intended outcome:

* + - Confirmation of P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip), if possible

     Deadline:

* + - Short
* [Post125][764][eRedCap] RRC CR for eRedCap (Ericsson)

Scope:

* + - Produce agreeable RRC CR for eRedCap

      Intended outcome:

* + - Agreeable CR in R2-2401889 (Ericsson)

     Deadline:

* + - Short
* [Post125][765][RRC maint] Miscellaneous Corrections (Ericsson)

Scope:

* + - Produce agreeable RRC CR for Maintenance misc corrections

      Intended outcome:

* + - Agreeable CR in R2-2401982, R2-2401983, R2-2401984 (Ericsson)

     Deadline:

* + - Short
* [POST125][804][CE\_enh] Updated RRC CR (Huawei)

Scope: Update the RRC CR with the agreements from this meeting and provide updated RIL List

Intended outcome: Updated version of RRC CR to be provided in R2-2401771 and R2-2401773 (RIL)

Deadline: Short (for plenary)

* [POST125][805][CE\_enh] Updated MAC CR (ZTE)

Scope: Update the MAC CR with the agreements from this meeting

Intended outcome: Updated version of MAC CR to be provided in R2-2401772

Deadline: Short (for plenary)

Long

* [Post125][417][Relay] Rel-18 relay RRC open issues (Huawei)

Scope: Discuss the remaining open issues for Rel-18 relay in 38.331 and converge where possible.

Intended outcome: Report to next meeting

Deadline: Long