3GPP TSG-RAN WG2 Meeting #122 R2-2xxxxxx

Incheon, Korea, May 22-26, 2023

Source: RAN2 Chairman (MediaTek)

Title: Chair Notes

AT-Meeting Offline Discussion List, Main Session

This list is updated at breaks and after close. There may be new discussions not yet exported to this list (they are later in the doc).

* [AT122][001][AIML18] LS out on Data Collection Requirements and Assumptions (vivo)

Scope: Prepare for online discussion on LS out to RAN1 asking explicit questions that would be helpful to RAN2 to determine suitable mechanism(s) and/or other tentative standards impacts for data collection for the applicable purposes/use-cases. Start from meeting input, collect comments and take into account. PH2: Final LS

Intended outcome: Report with proposals (draft LS if convergence is good), PH2 final LS

Deadline: CB Wednesday, PH2: CB Friday

* [AT122][002][TEI18] SR Periodicity 30 120 kHz SCS (Ericsson)

Scope: Iron out CR details. Produce agreeable CRs.

Intended outcome: CRs that are Endorsable / In-Principle-Agreeable.

Deadline: CB Thursday

* [AT122][003][TEI18] Inter-freq Measurements (CMCC)

Similar issue has been brought up earlier and it seems there may be interest to resolve something.

Scope: Collect comments one round, 1: to clarify the issue(s) that are desired to be resolved,

2: the needed scope of 3GPP work/discussions to address the issue (s) ..

Intended outcome: Brief Report, paving the way to make go/nogo decision for this in the scope of TEI18.

Deadline: CB Wednesday

* [AT122][004][eNPN] 38331 and 38304 (China Telecom)

Scope: Based on [R2-2306179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306179.zip) and [R2-2306454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306454.zip) Progress Running CRs 38331 38304. Take into account comments. If needed (up to rapporteur) can in a first step determine agreeable parts of relevant input and proposals to this meeting.

Intended outcome: Endorsable Running CRs

Deadline: CB Thursday Afternoon.

* [AT122][005][Mob18] LTM L1 measurement aspects (Ericsson)

Scope: Start from meeting input, [R2-2306012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306012.zip) and potentially other tdoc with related proposals. Collect one round of comments and identify easy agreements discussion points etc, to prepare for online treatment, Ph2: LS to RAN3 acc to below

Intended outcome: Report, PH2 aggregable Draft LS

Deadline: CB Wednesday, PH2: CB at opportunity

* [AT122][006][Mob18] Partial MAC reset (vivo)

Scope: Start from meeting input, [R2-2304912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304912.zip) and potentially other tdocs with related proposals. Collect comments and identify easy agreements discussion points etc, to prepare for online treatment

Intended outcome: Report

Deadline: CB Wednesday

Added Monday

* [AT122][007] Signalling Choices (Ericsson)

Scope: LS out, Capture more observations / improve observations.

CB

* [AT122][008] UE capabilities definitions (Ericsson)

Scope: LS out, determine details of the guidelines (e.e.g take comments onti account). Determine if/where to capture.

* [AT122][009][NR151617] RRC rapporteur CRs (Ericsson)

Expect to not CB online, but continue Post meeting

* [AT122][010][NR1617] CSI-RS resource coordination in NR-DC (Nokia)

Continue drive progress. Identify and resolve issues. Aim to have agreeable CRs from this meeting (if possible).

* [AT122][011][NR17] Clarification on UAI for UL MIMO layers (Huawei)

Converge on CR text. Can discuss whether / how R15 R16 can be covered

* [AT122][012][NR17] Correction to time domain resource assignment in NR-U (Huawei)

Check offline R16 R17 R1 TS etc

* [AT122][013][NR16] Clarification on reference cell for TCI state (Ericsson)

Agreeable CRs

* [AT122][014][71GHz] Sched and HARQ (LGE)

Make a joint agreeable CR

* [AT122][015][71GHz] Reply LS (QC)
* [AT122][016][TEI17] Type1 HARQ-ACK codebook generation (QC)
* [AT122][017][feMIMO17] Corrections on R17 unified TCI framework (CATT)
* [AT122][018][NR17] Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo (CATT)
* [AT122][019][NR15] SRS tx switching capability (Ericsson)

Review detailed wording. Agreeable CRs

* [AT122][020][ePowSav] R4 on no/long/short DRX (Ericsson)

Offline, check R4 progress, LSout if needed

* [AT122][021][MGE] per FR PRS gaps (CATT)

Find solution and agreeable CR.

* [AT122][022][RedCap] eDRX RRM relax and sm reception (Huawei)

Include progressing the above tdoc and also [R2-2305465](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305465.zip)

Added Tuesday

* [AT122][023][NR18] Non-simultaneous UL and DL from different two bands during UL CA (Nokia)

agreeable LS out

* [AT122][024][NR18] LS out FR2 unknown SCell activation enhancement (Apple)
* [Post122][025][MCE] MCE TX switching CRs (Huawei)

Scope: finish CRs for TX switching, based on agreements and further LS updates from RAN4 and RAN1.

Intended Outcome: In-principle-Agreed CRs (complete but not for TSG RAN)

Deadline: Short

* [AT122][026][NR18] LS out on cross RRH TCI state switch (Nokia)
* [AT122][027][NR18] Reply LS on Lower MSD Capability Signaling (Huawei)

CB at available CB occasion

Added Wednesday

* [AT122][028][mIAB] LS out on RACH-less HO for mIAB (Huawei)
* [AT122][029][mIAB] CAG – NPN (Ericsson )

CB, converge to common view on the status and whether something need to be clarified by SA2. Include LS out if it seems potentially needed (and we decide online). IF applicable determine and describe in text the expected RAN2 impact.

* [AT122][030][mIAB] BAP impacts (HW)

CB (if needed)

* [AT122][031][MGE] measurements without gap with interruption (MTK)

CB, update CRs offline to cover e.g. aspects from ZTE tdcoc

* [AT122][032][Slice18] Reply LS on NAS-AS interaction in terms of NS-AoS (Nokia)
* [AT122][033][mIAB] Usage of the mIAB cell indication (Intel)

Scope: clarify further, if possible narrow the scope even more. Identify the points for decision (for next meeting).

CB at available CB occasion

Added Thursday

* [AT122][034][NR17] Correction on the applicable NSAG for slice based RACH (Xiaomi)

CB Friday

* [AT122][035][NR17] scg-CellGroupConfig within RRC inter-node message (CATT)

CB Friday

* [AT122][036][NR17] 38822 (intel)

CB Friday

* [AT122][037][TEI18] LS to R1 on long CG SDT periodicity (Ericsson)

CB friday

* [Post122][009][NR151617] RRC rapporteur CRs (Ericsson)

Intended outcome : Agreed CRs

Deadline : Short

* [AT122][038][NR17] SDT security stage-2 CR (China telecom)

CB Friday

* [AT122][039][MOB18] LS out on Early TA and RACH-less (Ericsson)

Scope: All related agreements, to R1, R4, R3

CB friday

# 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 chairman 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

[R2-2304600](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304600.zip) Agenda for RAN2#122 Chairman agenda

* approved

## 2.2 Approval of the report of the previous meeting

[R2-2304601](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304601.zip) RAN2#121bis-e Meeting Report MCC report

[R2-2306553](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306553.zip) RAN2#121bis-e Meeting Report MCC report

* approved

## 2.3 Reporting from other meetings

## 2.4 Instructions

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).

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

## 2.5 Others

[R2-2304602](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304602.zip) RAN2 Handbook MCC discussion

- One section added in this revision, on CR cover-sheet parser.

* Noted

[R2-2306404](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306404.zip) Discussion on RAN2 signalling alternatives Ericsson, Samsung, Nokia, Nokia Shanghai Bell discussion

DISCUSSION

- QC aligned in general Way. Think one observation is missing, that CU-processing etc is avoided. Think this is a main reason why R1 chose MAC CEs

- HW think observations are in general reasonable. Not sure what LS should contain. Wonder if we should request more info and clarify that R2 will decide. Ericsson confirms.

- MTK are supportive of intention, but think other WG need to propose and state preference

- LGE support this intention and support to send LS. Think that due to LCP some MAC CEs will not always be transmitted.

- CMCC think this is reasonable.

- Apple wonder if we should differentiate between UL and DL MAC CEs

- Ericsson think this should be just a general message.

* [AT122][007] Signalling Choices (Ericsson)

Scope: LS out, Capture more observations / improve observations.

* CB

[R2-2305845](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305845.zip) Further guidelines on UE capability definitions Ericsson discussion

Moved from 7.25.3

DISCUSSION

- Lenovo think P1 is ok. Think it would be better to capture somewhere more visible.

- HW think we have seen features building on each other and where the related features have different granularity prereqisites.

- HW think also there is confusion on how to do the basic feature structuring.

- HW think R2 handbook is ok, if TS then maybe an annex in 306.

- Intel are ok with P1, and think maybe 306 is ok

* [AT122][008] UE capabilities definitions (Ericsson)

Scope: LS out, determine details of the guidelines (e.e.g take comments onti account). Determine if/where to capture.

* CB

# 3 Incoming liaisons

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

# 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)

(UPIP\_EN-DC\_UE; leading WG: RAN3; REL-17; WID: RP‑213669)

(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); 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: RP192875;), 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);

(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 EUTRA Breakout session

[R2-2304943](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304943.zip) Correction on handover procedure completion vivo, Nokia (rapporteur) CR Rel-8 36.300 8.12.0 1385 - F LTE-L23

[R2-2305132](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305132.zip) Discussion on QoE configuration release in LTE Lenovo discussion Rel-15 LTE\_QMC\_Streaming-Core Late

[R2-2306273](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306273.zip) Correction on QoE configuration release Google CR Rel-17 36.331 17.4.0 4935 - F LTE\_QMC\_Streaming-Core

=> Revised in [R2-2306539](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306539.zip)

[R2-2306539](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306539.zip) Correction on QoE configuration release Google CR Rel-17 36.331 17.4.0 4935 - F LTE\_QMC\_Streaming-Core

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

(LTE\_NBIOT\_eMTC\_NTN; leading WG: RAN1; REL-17; WID: RP-211601)

Tdoc Limitation: 1 tdocs

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

### 4.2.0 In-Principle-Agreed CRs

[R2-2304762](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304762.zip) MAC correction on TDD support for IoT NTN OPPO CR Rel-17 36.321 17.4.0 1560 3 F LTE\_NBIOT\_eMTC\_NTN R2-2302530

[R2-2305409](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305409.zip) Clarification on UL operation upon validity timer expiry for IoT NTN Nokia, Nokia Shanghai Bell, Apple, Ericsson CR Rel-17 36.321 17.4.0 1565 2 F LTE\_NBIOT\_eMTC\_NTN-Core R2-2304267

[R2-2305821](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305821.zip) Alignment of NPRACH preamble descriptions with RAN1 specification for IoT-NTN parameters Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.4.0 4930 2 F LTE\_NBIOT\_eMTC\_NTN-Core R2-2304270 Revised

[R2-2306064](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306064.zip) CR to 36.331 on T317 and T318 Huawei, HiSilicon CR Rel-17 36.331 17.4.0 4928 3 F LTE\_NBIOT\_eMTC\_NTN-Core R2-2304262

[R2-2306261](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306261.zip) Correction for R17 IoT NTN Ericsson, OPPO, Thales CR Rel-17 36.300 17.4.0 1383 2 F LTE\_NBIOT\_eMTC\_NTN-Core R2-2304260

[R2-2306514](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306514.zip) Alignment of NPRACH preamble descriptions with RAN1 specification for IoT-NTN parameters Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.4.0 4930 3 F LTE\_NBIOT\_eMTC\_NTN-Core [R2-2305821](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305821.zip)

### 4.2.1 Corrections

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

[R2-2304763](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304763.zip) Correction on UL operation upon validity timer expiry in IoT NTN OPPO CR Rel-17 36.321 17.4.0 1566 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2304810](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304810.zip) Miscellaneous Stage 2 corrections for IoT NTN Huawei, HiSilicon CR Rel-18 36.300 17.4.0 1384 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2305760](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305760.zip) Reference time for the GNSS validity duration IE Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.4.0 4932 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2305972](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305972.zip) Correction on definition of ta-Report ZTE Corporation, Sanechips CR Rel-17 36.331 17.4.0 4933 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2306041](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306041.zip) Clarify the reference point for UTC in SIB16 MediaTek Inc. CR Rel-17 36.331 17.4.0 4934 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2306483](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306483.zip) RRC correction on PUCCH TX duration Samsung Suzhou CR Rel-17 38.331 17.4.0 4153 - F LTE\_NBIOT\_eMTC\_NTN

## 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

### 4.3.0 In-Principle-Agreed CRs

### 4.3.1 Corrections

## 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.

### 4.4.0 In-Principle-Agreed CRs

### 4.4.1 Corrections

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 8 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)

(NR\_IAB-Core; leading WG: RAN2; REL-16; started: Dec 18; target Aug 20; WID: RP-200840)

(NR\_unlic-Core; leading WG: RAN1; REL-16; started: Dec 18; Closed June 20; WID: RP-192926).

(NR\_IIOT-Core; leading WG: RAN2; REL-16; started: Mar 19; Completed: Jun 20; WID: RP-200797)

(NR\_UE\_pow\_sav-Core; leading WG: RAN1; REL-16; started: Mar 19; Completed Jun 20; WID: RP-200494).

(NR\_2step\_RACH-Core; leading WG: RAN1; REL-16; started: Dec 18; Completed: June 20; WID: RP-200085).

(SRVCC\_NR\_to\_UMTS-Core; leading WG: RAN2; REL-16; started: Dec 18; Completed; Mar 20; WID: RP-190713)

(RACS-RAN-Core, leading WG: RAN2; REL-16; started: Mar 19; completed: Jun 20; WID: RP-191088)

(NG\_RAN\_PRN-Core; leading WG: RAN3; REL-16; started: Mar 19; completed: June 20; WID: RP-200122)

(NR\_eMIMO-Core, leading WG: RAN1; REL-16; started: Jun 18; target; Aug 20; WID: RP-200474;)

(NR\_CLI\_RIM; leading WG: RAN1; REL-16; started: Dec 18; Completed: Jun 20; WID: RP-191997;)

(NR\_L1enh\_URLLC-Core, leading WG: RAN1; REL-16; Completed: June 20; WID: RP-191584)

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI RP-200791)

(NR\_Mob\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed June 20; WID: RP-192277).

(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

#### 5.1.1.0 In-Principle-Agreed CRs

#### 5.1.1.1 Other

[R2-2306002](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2306002.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306002.zip) Clarification for on-demand SIB procedure in RRC\_CONNECTED Ericsson CR Rel-16 38.300 16.12.0 0681 - F NR\_newRAT-Core, 5G\_V2X\_NRSL-Core

[R2-2306003](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306003.zip) Clarification for on-demand SIB procedure in RRC\_CONNECTED Ericsson CR Rel-17 38.300 17.4.0 0682 - F NR\_newRAT-Core, 5G\_V2X\_NRSL-Core, NR\_MBS-Core

DISCUSSION

- Lenovo don’t understand what the 2nd change really changes. Think the 1st change is correct but think it may be stage-3 details.

- Nokia wonder if this is clear in Stage-3

- MTK think which SIB can be requested is clear in Stage-3 think the CR is not needed.

- No support

* Not pursued

[R2-2306412](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306412.zip) Correction to information delivered in Handover Request message Huawei, Nokia (Rapporteur), HiSilicon CR Rel-15 38.300 15.14.0 0662 1 F NR\_newRAT-Core R2-2304108

[R2-2306413](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306413.zip) Correction to information delivered in Handover Request message Huawei, Nokia (Rapporteur), HiSilicon CR Rel-16 38.300 16.12.0 0663 1 A NR\_newRAT-Core R2-2304109

Postponed from last meeting, for merge if applicable. Contents was Agreeable.

- HW indicate that change SIB to SIB information was done (acc to comments form last meeting)

* Both agreed

### 5.1.2 User Plane corrections

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

#### 5.1.2.0 In-Principle-Agreed CRs

#### 5.1.2.1 MAC

#### 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

#### 5.1.3.0 In-Principle-Agreed CRs

[R2-2305394](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2305394.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305394.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.21.0 3999 2 F NR\_newRAT-Core R2-2304542

[R2-2305395](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305395.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.12.0 4000 2 A NR\_newRAT-Core R2-2304543

[R2-2305396](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305396.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4001 2 A NR\_newRAT-Core R2-2304544

* 3 agreed

[R2-2305468](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305468.zip) Correction on the need code for secondary DRX group Huawei, HiSilicon, Ericsson CR Rel-16 38.331 16.12.0 4012 2 F TEI16 R2-2304532

[R2-2305469](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305469.zip) Correction on the need code for secondary DRX group Huawei, HiSilicon, Ericsson CR Rel-17 38.331 17.4.0 4013 2 A TEI16 R2-2304533

* Both agreed

[R2-2305504](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305504.zip) Correction on Need code of IE RLC-Config Intel Corporation CR Rel-16 38.331 16.12.0 3969 2 F NR\_IIOT-Core R2-2304518

[R2-2305505](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305505.zip) Correction on Need code of IE RLC-Config Intel Corporation CR Rel-17 38.331 17.4.0 3970 2 F NR\_IIOT-Core, NR\_NTN\_solutions-Core R2-2304519

* Both agreed

[R2-2305772](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305772.zip) Clarification on RSSI measurement frequency Samsung R&D Institute India CR Rel-16 38.331 16.12.0 3983 2 F NR\_unlic-Core R2-2304504

[R2-2305773](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305773.zip) Clarification on RSSI measurement frequency Samsung R&D Institute India CR Rel-17 38.331 17.4.0 3984 2 A NR\_unlic-Core R2-2304505

* Both agreed

[R2-2305834](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305834.zip) SIB and PosSIB mappings to SI message Ericsson, MediaTek Inc. CR Rel-16 38.331 16.12.0 3895 3 F NR\_newRAT-Core, NR\_pos-Core R2-2304546

[R2-2305835](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305835.zip) SIB and PosSIB mappings to SI message Ericsson, MediaTek Inc. CR Rel-17 38.331 17.4.0 3894 3 A NR\_newRAT-Core, NR\_pos-Core R2-2304547

* Both agreed

[R2-2305996](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305996.zip) Clarification on nas-SecurityParamFromNR field description Ericsson, Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.21.0 4051 2 F NR\_newRAT-Core R2-2304440

[R2-2305997](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305997.zip) Clarification on nas-SecurityParamFromNR field description Ericsson, Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.12.0 4052 2 A NR\_newRAT-Core R2-2304441

[R2-2305998](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305998.zip) Clarification on nas-SecurityParamFromNR field description Ericsson, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4053 2 A NR\_newRAT-Core R2-2304442

* 3 agreed

[R2-2306298](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306298.zip) Miscellaneous Correction on UE capability-R15 ZTE Corporation, Sanechips CR Rel-15 38.306 15.20.0 0895 2 F NR\_newRAT-Core R2-2304449

[R2-2306299](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306299.zip) Miscellaneous Correction on UE capability-R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.12.0 0896 2 A NR\_newRAT-Core R2-2304450

[R2-2306300](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306300.zip) Miscellaneous Correction on UE capability-R17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.4.0 0897 2 A NR\_newRAT-Core R2-2304451

* 3 agreed

[R2-2306301](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306301.zip) Correction on PDCCH Blind Detection-R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.12.0 0898 1 F NR\_L1enh\_URLLC R2-2303880

[R2-2306302](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306302.zip) Correction on PDCCH Blind Detection-R17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.4.0 0899 1 A NR\_L1enh\_URLLC R2-2303881

* Both agreed

[R2-2306501](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306501.zip) Correction on pusch-RepetitionTypeB capability Huawei, HiSilicon CR Rel-16 38.306 16.12.0 0901 1 F NR\_L1enh\_URLLC-Core R2-2304161

[R2-2306502](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306502.zip) Correction on pusch-RepetitionTypeB capability Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0902 1 A NR\_L1enh\_URLLC-Core R2-2304162

* Both agreed

[R2-2306503](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306503.zip) Correction on pusch-RepetitionTypeB capability Huawei, HiSilicon CR Rel-16 38.331 16.12.0 4059 2 F NR\_L1enh\_URLLC-Core R2-2304464

[R2-2306504](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306504.zip) Correction on pusch-RepetitionTypeB capability Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4060 2 A NR\_L1enh\_URLLC-Core R2-2304465

DISCUSSION

- Lenovo think there is an OPTIONAL missing for the last ncetxnesion field. And for the cover page, in the rev history should refer to lateNCextension.

* Both revised, acc to Lenovo comments.
* Both: Revision agreed unseen

#### 5.1.3.1 NR RRC

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

[R2-2305831](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305831.zip) Miscellaneous non-controversial corrections Set XVIII Ericsson CR Rel-15 38.331 15.21.0 4115 - F TEI15

- Ericsson explains that the 2nd change received a comment that the word any should be together the the next word. Intend to accept this comment.

[R2-2305832](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305832.zip) Miscellaneous non-controversial corrections Set XVIII Ericsson CR Rel-16 38.331 16.12.0 4116 - F TEI16

- Ericsson think we don’t need to modify commas. Think such comments should be provded to rapporteur. HW agrees that we should not change commas if they dont correct the understanding. Think the proposed comma-change is against guidelines and should not be done.

- Nokia wonder if we should have examples in non-annex sections ? Ericsson think this was a mistake inherited from EUTRA, and have no strong view.

- Intel think we should not change unless really needed.

* We don’t move the example text to an annex etc (as discussed above)
* We don’t change commas etc in legacy TS unless we need a corrected behaviour.
* [AT122][009][NR151617] RRC rapporteur CRs (Ericsson)

Expect to not CB online, but continue Post meeting

* [Post122][009][NR151617] RRC rapporteur CRs (Ericsson)

Intended outcome : Agreed CRs

Deadline : Short

[R2-2305133](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305133.zip) Miscellaneous corrections for Rel-15 RRC Lenovo draftCR Rel-15 38.331 15.21.0 F TEI15

[R2-2305134](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305134.zip) Miscellaneous corrections for Rel-16 RRC Lenovo draftCR Rel-16 38.331 16.12.0 F TEI16

* Merged with Rapp CRs.

[R2-2304746](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304746.zip) Correction on RRM relaxation and highspeedConfig OPPO, ZEKU CR Rel-16 38.331 16.12.0 4072 - F NR\_UE\_pow\_sav-Core, NR\_HST

[R2-2304747](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304747.zip) Correction on RRM relaxation and highspeedConfig OPPO, ZEKU CR Rel-17 38.331 17.4.0 4073 - A NR\_UE\_pow\_sav-Core, NR\_HST

- Apple agrees with the intention but think NR cell which is not meant for HS

- Xiaomi agree with intention but think the text can be improved.

- ZTE think that this is not needed, these conditions will not happen at the same time.

- Ericsson are not sure whether network restriction si needed. Think this combination is not captured in the R4 TS.

- Ericsson think there could be an issue also with normal UE.

- Nokia think this combination doesnt make sense. And think this can be handled by RAN4, it is ok to not have requirements for such combination.

- Samsung think it is too late to make new network restriction, think this can be left to network impl.

- OPPO think these conditions will happen at the same time, as HST is determined by whether network bcasts or not. OPPO think that from UE point of view the behviour is unlcear.

- Chair : there seems to be support to not do anything at all, but at the same time it seems also clear that from UE point if view the desired behaviour is not clear. Can think about it

* postponed

[R2-2304871](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304871.zip) Partial resource setup failure at RRC setup Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core

- Ericsson think we dont need to do anything. Network can release if it wants to.

- Xiaomi think signalling-only connection is supported for NR but think the nokia wording prevents this and there are other issues. Think current wording is ok.

- Intel think there could be a configuration failure if the network configuration is not consistent with UE cap. Apple agrees and think not change is needed.

- ZTE agree Nokia P1 P2 but thikn there is no TS change needed.

- Chair : think there is no support to make any change, but everyone think the network can act if needed with current TS.

* Noted

[R2-2304872](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304872.zip) CSI-RS resource coordination in NR-DC Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core R2-2302771

DISCUSSION

- Nokia adressed comments from last meeting in teh discussion doc.

- ZTE agrees on high level, but think details need to be discussed.

- HW think there may be some ambiguities wrt capabilities. We should not incrementally update the TS, need to allow time to do this correctly.

- Ericsson think that deployment references in the FDs would be good. OK with this intention, but think we should follow allowed-BCs approach. Nokia think that could be ok – to be discussed offline.

* Aim to have agreeable CRs from this meeting, but postpone another Q for checking.

[R2-2304873](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304873.zip) CSI-RS resource coordination in NR-DC Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.12.0 3990 3 F NR\_newRAT-Core, TEI16 R2-2304138

[R2-2304874](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304874.zip) CSI-RS resource coordination in NR-DC Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 3991 3 A NR\_newRAT-Core, TEI16 R2-2304140

Three above tdocs Postponed from last meeting [AT121bis-e][003]

* [AT122][010][NR1617] CSI-RS resource coordination in NR-DC (Nokia)

Continue drive progress. Identify and resolve issues. Aim to have agreeable CRs from this meeting (if possible).

DISCUSSION

- Nokia reports the participation was low.

- Nokia propose that we do the analysis for next meeting. DIfferent view on which capabilites need coordination, beyond CSI-RS. Nokia would like to list them anyway, to avoid surprises, avoid that discussions are not possible due to non-preparatons.

- ZTE think we should have a general principle instead of listing caps. It is not possible to have very high ambition level and there are issues for several of the capabilities.

- Nokia agrees that this should be about static coordination, no need to coordinate on slot level etc.

* Topic of resource coordination for NR-DC is postponed. Expect to converge and decide at next meeting. The following capabilities are on the table for discussion (maybe more will be found)

- BandNR capabilities activeConfiguredGrant-r16, csi-RS-IM-ReceptionForFeedback, maxNumberCSI-RS-BFD, maxNumberCSI-RS-SSB-CBD, maxNumberSSB-BFD, sps-r16, beamManagementSSB-CSI-RS and csi-RS

- CA-ParametersNR capabilities csi-RS-IM-ReceptionForFeedbackPerBandComb, simultaneousCSI-ReportsAllCC and simultaneousSRS-AssocCSI-RS-AllCC:

[R2-2305411](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305411.zip) Correction on local release in TS 38.331 vivo CR Rel-15 38.331 15.21.0 4103 - F TEI15

[R2-2305412](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305412.zip) Correction on local release in TS 38.331 vivo CR Rel-16 38.331 16.12.0 4104 - A TEI15

[R2-2305413](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305413.zip) Correction on local release in TS 38.331 vivo CR Rel-17 38.331 17.4.0 4105 - A TEI15

- Xiaomi think one comma is missing.

- Nokia wonder why this is needed.

- MTK think this is already clear. Not clear we need to list this here.

- Samsung understands the intent, but think it is anyway just a clarification.

- Lenovo are not sure we need this now.

- Chair : seems to be correct but no support to modify

* Not pursued

[R2-2305999](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305999.zip) Clarification on presence of Coreset0 for PSCell Ericsson CR Rel-15 38.331 15.21.0 4054 1 F NR\_newRAT-Core R2-2304093

[R2-2306000](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306000.zip) Clarification on presence of Coreset0 for PSCell Ericsson CR Rel-16 38.331 16.12.0 4055 1 A NR\_newRAT-Core R2-2304094

[R2-2306001](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306001.zip) Clarification on presence of Coreset0 for PSCell Ericsson CR Rel-17 38.331 17.4.0 4056 1 A NR\_newRAT-Core R2-2304095

Three above CRs Postponed from last meeting [AT121bis-e][002]

- Ericsson think we should decide if we should have a clarification or not.

- ZTE think this is not needed and proposed update causes issues. ZTE think R1 TS is clear.

- Samsung think the agreements alone from pervious meeting is enought to avoid IOT issues and TS modification is not needed.

- Chair : no support

* Not pursued

[R2-2306088](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2306088.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306088.zip) Clarification on UAI for UL MIMO layers Huawei, HiSilicon CR Rel-15 38.331 15.21.0 4130 - F NR\_newRAT-Core

[R2-2306089](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306089.zip) Clarification on UAI for UL MIMO layers Huawei, HiSilicon CR Rel-16 38.331 16.12.0 4131 - A NR\_newRAT-Core, NR\_UE\_pow\_sav-Core

[R2-2306090](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306090.zip) Clarification on UAI for UL MIMO layers Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4132 - A NR\_newRAT-Core, NR\_UE\_pow\_sav-Core, NR\_ext\_to\_71GHz-Core

- Ericsson agrees that there is some relation, but think this is new.

- QC supports this.

- OPPO think this just clarifies network impl

- Samsung think this is intended to be a new feature

- Nokia think this can be seen as new, but also is just a soft UE request. Not celar we need a CR. Can be interptreted already now.

- Samsung think a smart gNB would do this.

- Xiaomi wonder if we need R1 involvement, think may be NBC.

- Apple think this is not harmful, useful. MTK also support.

Chair asks to agree

- Samsung can accept if the word may or similar is used.

- OPPO think that this is nice to have but then no need to touch R15 R16.

- Lenovo think we can refer to a n ote in the FD.

- Intel think we can remove the word NOTE. Nokia would like to keep the NOTE

- Huawei want to cover also R15 R16. Ericsson think we dont need any change at all, can clarify in chair notes. Huawei want TS clarification for R17 at least.

- Ericsson think we either make consistent change to R151617 or have no change. Chair think if we keep the notation « Note » there are many examples where we chave clarified only for a later release enven though in priniciple the same thing applies to prev rel.

* The change should include the word “may”
* We aim for a R17 CR
* [AT122][011][NR17] Clarification on UAI for UL MIMO layers (Huawei)

Converge on CR text. Can discuss whether / how R15 R16 can be covered

CB

[R2-2306815](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306815.zip) Clarification on UAI for UL MIMO layers Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4132 1 F NR\_newRAT-Core, NR\_UE\_pow\_sav-Core, NR\_ext\_to\_71GHz-Core

- HW propose to have also the R15 and R16 CRs

- Chair : it seems agreeable now to have this change from R15, also the R17 CR need update back to be Cat A ..

- Nokia think we should change the consequence if not approved to ”The number of SRS ports may not be reduced”

* CR is agreeable for R15 R16 R17. Change consequence if not approved to ”The number of SRS ports may not be reduced”, with this change R15 R16 and R17 CRs are agreed unseen.

[R2-2306229](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306229.zip) Correction to time domain resource assignment in NR-U Huawei, HiSilicon CR Rel-16 38.331 16.12.0 4141 - F NR\_unlic-Core

* Agreed

[R2-2306230](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306230.zip) Correction to time domain resource assignment in NR-U Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4142 - F NR\_unlic-Core

- Ericsson think R1 TS was extended to 64 for Rel-17 only

* Revised Cat A, revision is agreed unseen
* [AT122][012][NR17] Correction to time domain resource assignment in NR-U (Huawei)

Check offline R16 R17 R1 TS etc

CB

DISCUSSION on above

- HW has confirmed offline that the CRs are correct and consistent with R1. Ericsson confirms that the R1 extension was indeed done for R16 and is ok.

- HW think the shadow CR need to be changed to Cat A.

* Shadow CR to be Cat A.

[R2-2306520](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306520.zip) Clarification on reference cell for TCI state Ericsson, Huawei CR Rel-16 38.331 16.12.0 4159 - F NR\_FeMIMO-Core

[R2-2306526](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306526.zip) Clarification on reference cell for TCI state Ericsson, Huawei CR Rel-17 38.331 17.4.0 4160 - A NR\_FeMIMO-Core

Both moved from 5.1

- OPPO are ok for R17 CR but think R16 doesn’t need a change. Nokia think at least for Rel-17 it should be fixed, think we should have consistent change for Rel-16.

- LGE support these CRs for R16 R17

- Samsung support both CRs. Think that cover-page for R16 n eed to be updates (16.2 should be 16.12), Nokia also think R16 CR should not use R17 WI code.

- LGE think that CRs should both be Cat F

* Agreeable to have R16 and R17 CR for this
* [AT122][013][NR16] Clarification on reference cell for TCI state (Ericsson)

Agreeable CRs

CB

[R2-2306812](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306812.zip) Clarification on reference cell for TCI state Ericsson, Huawei CR Rel-16 38.331 16.12.0 4159 1 F NR\_eMIMO-Core

[R2-2306813](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306813.zip) Clarification on reference cell for TCI state Ericsson, Huawei CR Rel-17 38.331 17.4.0 4160 1 A NR\_eMIMO-Core

* Both agreed

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

[R2-2305836](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305836.zip) Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-15 38.306 15.20.0 0917 - F NR\_newRAT-Core

[R2-2305837](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305837.zip) Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-16 38.306 16.12.0 0918 - A NR\_newRAT-Core

[R2-2305838](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305838.zip) Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-17 38.306 17.4.0 0919 - A NR\_newRAT-Core

* [AT122][019][NR15] SRS tx switching capability (Ericsson)

Review detailed wording. Agreeable CRs

CB

[R2-2306790](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306790.zip) Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-15 38.306 15.20.0 0917 1 F NR\_newRAT-Core

R2-2306791 Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-16 38.306 16.12.0 0918 1 A NR\_newRAT-Core

R2-2306792 Clarification on SRS tx switching capability Ericsson, MediaTek Inc. CR Rel-17 38.306 17.4.0 0919 1 A NR\_newRAT-Core

* All agreed

[R2-2305839](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305839.zip) Handling of per-UE parameters for NR-DC Ericsson discussion

DISCUSSSION

- HW agrees with the intention, but think that this is clear in the Current TS.

- Nokia agrees with HW, think if there is a specific ambiguity we can resolve it but think a general update is a bit dangerous. QC agrees, and think indeed this is clear in the TS. Apple agrees with Nokia.

- Ericsson would be ok to clarify in Chair notes. Samsung agrees with this.

* RAN2 understanding for capability parameters that exist both inside and outside of NR-DC-Parameters: the capability parameter outside NR-DC-Parameters intends to indicate whether (or not) the UE supports the feature when not configured with NR-DC, and the capability parameter inside NR-DC-Parameters intends to indicate whether (or not) the UE supports the feature when configured with NR-DC. No support to update the TS.

[R2-2306505](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306505.zip) Corrections on NR-DC capabilities Huawei, HiSilicon CR Rel-16 38.306 16.12.0 0903 1 F LTE\_NR\_DC\_CA\_enh-Core R2-2304165

[R2-2306506](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306506.zip) Corrections on NR-DC capabilities Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0904 1 A LTE\_NR\_DC\_CA\_enh-Core R2-2304166

- Nokia support the intention, Ericsson also support the intention.

* Both agreed

#### 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).

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.).

### 5.2.0 In-principle agreed CRs

[R2-2304854](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304854.zip) Corrections including field description for transmission power Huawei, HiSilicon (Rapporteur), ZTE Corporation, Sanechips, CATT CR Rel-16 38.331 16.12.0 4067 1 F 5G\_V2X\_NRSL-Core R2-2304217

[R2-2304855](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304855.zip) Corrections including field description for transmission power Huawei, HiSilicon (Rapporteur), ZTE Corporation, Sanechips, CATT CR Rel-17 38.331 17.4.0 4068 1 A 5G\_V2X\_NRSL-Core R2-2304218

[R2-2306369](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306369.zip) Correction for Measurement Event Triggering Criteria Sharp Corporation CR Rel-16 38.331 16.12.0 4049 1 F 5G\_V2X\_NRSL-Core R2-2304078

### 5.2.1 Corrections

[R2-2304829](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304829.zip) Discussion on future extensibility of sl-FreqInfoList in R16/17 NR SL Spec vivo discussion Rel-16

[R2-2304850](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304850.zip) Potential issue caused by using destination index Huawei, HiSilicon, vivo discussion Rel-16 5G\_V2X\_NRSL-Core

[R2-2304851](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304851.zip) Correction on destination index for SL measurement configuration Huawei, HiSilicon CR Rel-16 38.331 16.12.0 4077 - F 5G\_V2X\_NRSL-Core

[R2-2304852](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304852.zip) Correction on destination index for SL measurement configuration Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4078 - A 5G\_V2X\_NRSL-Core

[R2-2304853](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304853.zip) Correction on destination index for SL DRX configuration Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4079 - F NR\_SL\_enh-Core

[R2-2304941](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304941.zip) Correction on TS 38.304 for NR SL vivo CR Rel-16 38.304 16.9.0 0340 - F 5G\_V2X\_NRSL-Core

[R2-2304942](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304942.zip) Correction on TS 38.304 for NR SL vivo CR Rel-17 38.304 17.4.0 0341 - A 5G\_V2X\_NRSL-Core

withdrawn

R2-2304991 Summary on user plane corrections for NR V2X LG Electronics Inc. discussion 5G\_V2X\_NRSL-Core Withdrawn

R2-2306110 Corrections on MAC reset regarding configured sidelink grant ASUSTeK, Huawei, HiSilicon, Samsung, vivo CR Rel-16 38.321 16.11.0 1605 2 F 5G\_V2X\_NRSL-Core R2-2304237 Withdrawn

## 5.3 NR Positioning Support

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: RP-191971)

(NR\_pos-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Jun 20; WID: RP-200218).

(NR TEI16 Positioning)

This agenda item will be handled by email.

### 5.3.0 In-Principle-Agreed CRs

[R2-2304789](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2304789.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304789.zip) Correction on SI update for posSIB-r16 Huawei, HiSilicon CR Rel-16 38.331 16.12.0 3974 1 F NR\_pos-Core R2-2302985

[R2-2304790](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304790.zip) Correction on SI update for posSIB-r17 Huawei, HiSilicon CR Rel-17 38.331 17.4.0 3975 1 F NR\_pos-Core, NR\_redcap-Core R2-2302986

[R2-2305253](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305253.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-15 36.305 15.5.0 0113 1 F LCS\_LTE\_acc\_enh-Core R2-2304308

[R2-2305254](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305254.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-16 36.305 16.4.0 0114 1 A LCS\_LTE\_acc\_enh-Core R2-2304309

[R2-2305255](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305255.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-17 36.305 17.2.0 0115 1 A LCS\_LTE\_acc\_enh-Core R2-2304310

[R2-2305256](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305256.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-15 38.305 15.9.0 0129 1 F NR\_newRAT-Core R2-2304311

[R2-2305257](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305257.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-16 38.305 16.8.0 0130 1 A NR\_newRAT-Core R2-2304312

[R2-2305258](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305258.zip) APC clarification for SSR positioning Swift Navigation, Ericsson CR Rel-17 38.305 17.4.0 0131 1 A NR\_newRAT-Core R2-2304313

[R2-2305259](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305259.zip) Zero Yaw clarification for SSR positioning Swift Navigation, Ericsson CR Rel-16 36.305 16.4.0 0116 1 F NR\_pos-Core R2-2304314

[R2-2305260](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305260.zip) Zero Yaw clarification for SSR positioning Swift Navigation, Ericsson CR Rel-17 36.305 17.2.0 0117 1 A NR\_pos-Core R2-2304315

[R2-2305261](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305261.zip) Zero Yaw clarification for SSR positioning Swift Navigation, Ericsson CR Rel-16 38.305 16.8.0 0132 1 F NR\_pos-Core R2-2304316

[R2-2305262](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305262.zip) Zero Yaw clarification for SSR positioning Swift Navigation, Ericsson CR Rel-17 38.305 17.4.0 0133 1 A NR\_pos-Core R2-2304317

### 5.3.1 General and Stage 2 corrections

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.

### 5.3.2 RRC corrections

Including impact to 36.331, 38.331, and 38.306.

[R2-2306409](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306409.zip) Discussion on the misalignment issue in location measurement indication procedure ZTE Corporation discussion Rel-15 NR\_newRAT-Core

[R2-2306459](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306459.zip) Clarification on the misalignment issue in location measurement indication procedure ZTE Corporation CR Rel-15 38.331 15.21.0 4149 - F NR\_newRAT-Core

[R2-2306460](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306460.zip) Clarification on the misalignment issue in location measurement indication procedure ZTE Corporation CR Rel-16 38.331 16.12.0 4150 - A NR\_newRAT-Core

[R2-2306461](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306461.zip) Clarification on the misalignment issue in location measurement indication procedure ZTE Corporation CR Rel-17 38.331 17.4.0 4151 - A NR\_newRAT-Core

### 5.3.3 LPP corrections

[R2-2306027](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306027.zip) GNSS Troposperic Delay Correction field description Ericsson CR Rel-16 37.355 16.10.0 0451 - F NR\_pos-Core

[R2-2306028](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306028.zip) GNSS Troposperic Delay Correction field description Ericsson CR Rel-17 37.355 17.4.0 0452 - A NR\_pos-Core

### 5.3.4 MAC corrections

[R2-2306084](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306084.zip) Correction on DL MAC CE for SP Positioning SRS ZTE Corporation CR Rel-16 38.321 16.11.0 1590 1 F NR\_pos-Core R2-2303501

[R2-2306085](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306085.zip) Correction on DL MAC CE for SP Positioning SRS ZTE Corporation CR Rel-17 38.321 17.4.0 1591 1 A NR\_pos-Core R2-2303502

## 5.4 SON MDT support for NR

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: RP-191776).

### 5.4.0 In-Principle-Agreed CRs

### 5.4.1 General and stage-2 corrections

Including incoming LSs, TS 37.320 corrections

### 5.4.2 TS 38.314 corrections

### 5.4.3 RRC corrections

[R2-2305263](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305263.zip) Clarification on RLF Cause Samsung discussion NR\_SON\_MDT-Core

[R2-2305264](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305264.zip) Clarification on RLF cause Samsung CR Rel-16 38.331 16.12.0 4095 - F NR\_SON\_MDT-Core

[R2-2305266](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305266.zip) Clarification on RLF cause Samsung CR Rel-16 38.331 16.12.0 4096 - F NR\_SON\_MDT-Core

[R2-2305980](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305980.zip) Correction on logging RLM resources in the RLF report Ericsson, Qualcomm discussion Rel-16 38.331 NR\_SON\_MDT-Core

[R2-2305981](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305981.zip) Correction on logging RLM resources in the RLF report Ericsson, Qualcomm discussion Rel-17 38.331 NR\_SON\_MDT-Core

[R2-2305982](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305982.zip) Correction to the setting of locationInfo in MeasResultSCG-Failure Ericsson discussion Rel-16 38.331 NR\_SON\_MDT-Core

[R2-2305983](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305983.zip) Correction to the setting of locationInfo in MeasResultSCG-Failure Ericsson discussion Rel-17 38.331 NR\_SON\_MDT-Core

[R2-2306037](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306037.zip) Correction on the release of logged measurement configuration as well as logged measurement information QUALCOMM Inc. CR Rel-16 38.331 16.12.0 4125 - F NR\_SON\_MDT-Core

[R2-2306096](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306096.zip) Discussion on location configuration for SON and MDT features Huawei, HiSilicon discussion Rel-16 NR\_SON\_MDT-Core

# 6 NR Rel-17

## 6.1 Common

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: RP-211591)

(NR\_UDC\_enh-Core; leading WG: RAN2; REL-17; WID: RP-211203)

(NG\_RAN\_PRN\_enh-Core; leading WG: RAN3; REL-17; WID: RP-202363)

(NR\_IAB\_enh-Core; leading WG: RAN2; REL-17; WID: RP-211548)

(NR\_UE\_pow\_sav\_enh-Core; leading WG: RAN2; REL-17; WID: RP-212632)

(LTE\_NR\_DC\_enh2-Core; leading WG: RAN2; REL-17; WID: RP-201040)

(LTE\_NR\_MUSIM-Core; leading WG: RAN2; REL-17; WID: RP-212610)

(NR\_Slice -Core; leading WG: RAN2; REL-17; WID: RP-212534)

(NR\_QoE-Core; leading WG: RAN3; REL-17; WID: RP-211406)

(NR\_ext\_to\_71GHz-Core; leading WG: RAN1; REL-17; WID: RP-212637)

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: RP-211566): non-RACH-indication parts

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: RP-211574)

(NR\_feMIMO-Core; leading WG: RAN1; REL-17; WID: RP-212535)

(NR\_SmallData\_INACTIVE-Core, leading WG: RAN2; REL-17; WID: RP-212594)

(NR\_IIOT\_URLLC\_enh-Core; leading WG: RAN2; REL-17; WID: RP-210854)

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: 10 tdocs

### 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)

LS in

[R2-2304632](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304632.zip) Reply LS on Mapping of F1-C IP addresses in the IAB inter-CU topology adaptation and backhaul RLF recovery procedures (R3-232166; contact: ZTE) RAN3 LS in Rel-17 TEI17 To:SA3 Cc:RAN2

RAN2 is CCed, no action, propose Noted wo presentation.

#### 6.1.1.0 In-Principle-Agreed CRs

#### 6.1.1.1 Other

General

[R2-2305192](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305192.zip) Miscellaneous Corrections Nokia (Rapporteur), Huawei, Qualcomm, Nokia Shanghai Bell CR Rel-17 38.300 17.4.0 0672 - F NR\_MBS-Core, NR\_newRAT-Core, NR\_NTN\_solutions

* agreed

RedCap

[R2-2305466](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305466.zip) Corrections on eDRX and RRM measurement relaxation for RedCap Huawei, HiSilicon CR Rel-17 38.300 17.4.0 0678 - F NR\_redcap-Core

- Nokia support 1st change, the others NOT.

- OPPO agrees that 1st change is ok, others NOT. Ericsson also agrees.

- QC support 1st change and think that “shall” is wrong and oncissitent with RRC.

- ZTE support 1st and 3rd change

- vivo support all

- Apple think stage-3 is clear.

* Change 1 is agreed.

[R2-2305465](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305465.zip) Corrections on paging monitoring in eDRX and RRM relaxation for RedCap Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4107 - F NR\_redcap-Core

- Xiaomi think 2nd change is an optimization, and the 1st change.

- Huawei think that with eDRX the UE requirments to recive SI need to be relaxed as well

- QC think 1st change is reasonable, but hink 2nd change is not needed, think there is just a scaling factor, think it doesnt matter if the UE reports. But if UE reports the UE would support reporting for all changes. Vivo agrees with this last part of QC. Apple agrees.

- Ericsson think that for the 2nd change the intentnion is correcct but text modification is needed.

* Confirm the intention that the UE is not required to receive ETWS / CMAS during eDRX sleep.
* handled with the Stage-2 offline [022]

Moved to the current AI

* [AT122][022][RedCap] eDRX RRM relax and sm reception (Huawei)

Include progressing the above tdoc and also [R2-2305465](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305465.zip)

CB

[R2-2306776](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306776.zip) Summary of [AT122][022][RedCap] eDRX RRM relax and sm reception (Huawei) Huawei

* noted

[R2-2306778](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306778.zip) Corrections on eDRX and RRM measurement relaxation for RedCap Huawei, HiSilicon CR Rel-17 38.300 17.4.0 0678 1 F NR\_redcap-Core

* Agreed

[R2-2306777](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306777.zip) Corrections on paging monitoring in eDRX Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4107 1 F NR\_redcap-Core

- ZTE think the word every is important. Huawei think that we shall just refer to 304 as RRC is not intended to introduce additional UE Requirement beyond 304, and 304 specified that the UE monitor every DRX cycle.

* R2 understands that the UE monitors every DRX cycle according to 38304
* CR is agreed

ePowSav

[R2-2304749](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304749.zip) Stage-2 correction on BFD and RLM relaxation OPPO CR Rel-17 38.300 17.4.0 0667 - F NR\_UE\_pow\_sav\_enh-Core

* No support, not pursed

[R2-2305911](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305911.zip) Clarification for RLM/BFD relaxation when SCG is deactivated Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

- ZTE think this is clear in R4 TS. No need to specify anything. Apple agrees with ZTE.

- Chair : no support

* Noted, not agreed

SDT

[R2-2306344](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306344.zip) Discussion on Security Issues in MO-SDT China Telecom Corporation Ltd. Discussion

* noted

[R2-2306345](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306345.zip) Corrections to Security Issues for MO-SDT China Telecom CR Rel-17 38.300 17.4.0 0684 - F NR\_SmallData\_INACTIVE-Core

- vivo think it is sufficient that this is captured in RRC.

- LGE think this is not needed, R2 usually doesn’t specify this. Think it is clear in RRC:

- Intel think this is acc to current SA3 TS. Nokia think that indeed of something would be clarified it would need to be in SA3 TS.

- China Telecom clarify that for SDT nothing is captured in SA3 but think SDT brings another case of data and RRC resume being sent at the same time.

- CATT think this is needed, and think it can be in 38300.

- China Telecom clarifies that there is no intention to change anything.

- ZTE clarifies that R2 already sent an LS to SA3 which SA3 replied to.

* Agreeable to have a stage-2 clarification
* [AT122][038][NR17] SDT security stage-2 CR (China telecom)

CB Firday

[R2-2306888](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306888.zip) Corrections to Security Issues for MO-SDT China Telecom CR Rel-17 38.300 17.4.0 0684 1 F NR\_SmallData\_INACTIVE-Core

- Discussion on whether suspend need to be described as well. Intel think we can use the word applied. Think SA3 could propose clarification if needed. Samsung agrees.

* Change the word resumed to applied, with this change, revised CR is agreed unseen, in R2-2306891

### 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).

#### 6.1.2.0 In-Principle-Agreed CRs

[R2-2304791](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304791.zip) Correction to CG-SDT LCH restriction Huawei, HiSilicon CR Rel-17 38.321 17.4.0 1580 2 F NR\_SmallData\_INACTIVE-Core R2-2304351

[R2-2305463](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305463.zip) Corrections on SDT using NCD-SSB for RedCap Huawei, HiSilicon CR Rel-17 38.321 17.4.0 1584 2 F NR\_redcap-Core R2-2304443

[R2-2305856](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305856.zip) Clarification on RA Resource Selection During CG-SDT vivo, ZTE Corporation (rapporteur), Sanechips CR Rel-17 38.321 17.4.0 1576 2 F NR\_SmallData\_INACTIVE-Core R2-2304446

#### 6.1.2.1 Other

[R2-2304727](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304727.zip) Correction to RA partition selection for Msg1 based SI request Samsung Electronics Co., Ltd CR Rel-17 38.321 17.4.0 1613 - F NR\_cov\_enh-Core, NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_slice-Core

[R2-2304906](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304906.zip) Correction on SDT with separate initial BWP vivo, Huawei, HiSilicon, Guangdong Genius CR Rel-17 38.321 17.4.0 1616 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core R2-2302660

[R2-2304907](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304907.zip) Correction on CG-SDT with NCD-SSB measurement vivo CR Rel-17 38.321 17.4.0 1617 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core

[R2-2305748](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305748.zip) Correction on HARQ buffer flush at SCG deactivation Nokia, Apple, Mediatek, Qualcomm, Nokia Shanghai Bell CR Rel-17 38.321 17.4.0 1620 - F LTE\_NR\_DC\_enh2-Core

[R2-2305749](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305749.zip) Clarification on unknown, unforeseen and erroneous protocol data during SDT Nokia, Intel, Mediatek, Nokia Shanghai Bell CR Rel-17 38.321 17.4.0 1621 - F NR\_SmallData\_INACTIVE-Core

[R2-2306385](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306385.zip) Correction to carrier selection for RA-SDT Langbo CR Rel-17 38.321 17.4.0 1628 - F NR\_SmallData\_INACTIVE-Core

[R2-2306495](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306495.zip) Correction on Enhanced BFR MAC CE ZTE Corporation, Sanechips CR Rel-17 38.321 17.4.0 1629 - F NR\_FeMIMO-Core

### 6.1.3 Control Plane corrections

#### 6.1.3.0 In-Principle-Agreed CRs

[R2-2304839](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304839.zip) Miscellaneous corrections for Ext71GHz Huawei, HiSilicon CR Rel-17 38.331 17.4.0 3961 2 F NR\_ext\_to\_71GHz-Core R2-2304483

* agreed

[R2-2304875](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304875.zip) Clarification for configured grant periodicity Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 3964 2 F NR\_ext\_to\_71GHz-Core R2-2304125

* agreed

[R2-2304908](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304908.zip) Correction on measCyclePSCell used during SCG deactivation vivo, Ericsson, Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4071 1 F NR\_UE\_pow\_sav\_enh-Core, LTE\_NR\_DC\_enh2-Core R2-2304556

* agreed

[R2-2304982](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304982.zip) Corrections on the eIAB related capabilities Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0893 1 F NR\_IAB\_enh-Core R2-2303479

* agreed

[R2-2304983](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304983.zip) Correction to MAC reset for eIAB Huawei, HiSilicon CR Rel-17 38.321 17.4.0 1589 1 F NR\_IAB\_enh-Core R2-2303480

* agreed

[R2-2305039](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305039.zip) Correction to RRC for 71 GHz on channel occupancy duration Ericsson CR Rel-17 38.331 17.4.0 3968 2 F NR\_ext\_to\_71GHz-Core R2-2304555

* agreed

[R2-2305346](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305346.zip) Clarification to TS 38.331 on Enhanced BFR MAC CE for feMIMO CATT CR Rel-17 38.331 17.4.0 3977 2 F NR\_FeMIMO-Core R2-2304539

* agreed

[R2-2305351](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305351.zip) Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo CATT CR Rel-17 36.331 17.4.0 4920 2 F LTE\_NR\_DC\_enh2-Core R2-2304551

- Nokia think this is now changing R17 behaviour, in the triggering of RACH, which was not the intention. HW has different understanding

-

* [AT122][018][NR17] Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo (CATT)

CB

[R2-2306808](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306808.zip) Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo CATT CR Rel-17 36.331 17.4.0 4920 3 F LTE\_NR\_DC\_enh2-Core

* agreed

[R2-2305433](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305433.zip) Clarification on the application of slice-based RACH configuration Nokia, Huawei CR Rel-17 38.300 17.4.0 0666 1 F NR\_slice-Core R2-2304527

* Agreed

[R2-2305434](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305434.zip) Clarification on applicability of slice-based RA Huawei, Nokia CR Rel-17 38.331 17.4.0 4070 1 F NR\_slice-Core R2-2304526

* Agreed

[R2-2305462](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305462.zip) Corrections on initial BWP configuration and NCD-SSB for RedCap Huawei, HiSilicon CR Rel-17 38.331 17.4.0 3988 2 F NR\_redcap-Core R2-2304436

* agreed

[R2-2305803](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2305803.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305803.zip) ResumeCause IE description correction Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4017 2 F NR\_SmallData\_INACTIVE-Core R2-2304352

Previous name: Control plane corrections for SDT

* agreed

[R2-2305910](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305910.zip) Corrections for eDRX in RRC\_INACTIVE Ericsson, Huawei, HiSilicon CR Rel-17 38.304 17.4.0 0334 2 F NR\_UE\_pow\_sav\_enh-Core, NR\_redcap-Core R2-2304326

- Xiaomi think I\_s is not needed outside PTW. HW think the first change was agreed in the RedCap session.

* agreed

[R2-2306303](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306303.zip) Miscellaneous Correction on UE capability-R17 ZTE Corporation,Sanechips CR Rel-17 38.306 17.4.0 0900 2 F NR\_feMIMO, NR\_pos\_enh R2-2304452

* agreed

[R2-2306494](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306494.zip) Corrections to on-demand SI request ZTE Corporation, Sanechips CR Rel-17 38.331 17.4.0 4050 2 F TEI17 R2-2304475

* agreed

[R2-2306533](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306533.zip) Addition of slice-based cell re-selection parameters Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.4.0 0330 1 F NR\_slice-Core R2-2302862

* agreed

withdrawn

R2-2305347 Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo CATT CR Rel-17 38.331 17.4.0 4099 - F LTE\_NR\_DC\_enh2-Core R2-2304551 Withdrawn

#### 6.1.3.1 NR RRC

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

General

[R2-2305135](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305135.zip) Miscellaneous corrections for Rel-17 RRC Lenovo draftCR Rel-17 38.331 17.4.0 F TEI17

[R2-2305833](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305833.zip) Miscellaneous non-controversial corrections Set XVIII Ericsson CR Rel-17 38.331 17.4.0 4117 - F TEI17

- Included in offline discussion [009], expect to contine in a short post discussion .

Slicing

[R2-2304939](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304939.zip) Correction on the applicable NSAG for slice based RACH Beijing Xiaomi Software Tech draftCR Rel-17 38.331 17.4.0 F NR\_slice-Core

- Samsung agres with intent but think this is specifierd in CT1 or SA2 TS and nothing is needed in RAN2 TS. LGE agrees with Samsung that we don’t need to specify..

- Xiaomi think nothing is specified.

- Huawei think this is specified somewhere. No need to add.

- Several companies think this is captured in MAC.

- QC think this is useful.

- Nokia think up to UE impl = nothing captrured, so this is not essential.

CB later in the meeting, allow companeis to check- to what extent this si covered elsewhere ..

- Xiaomi has checked and there is no other place where this is specifed so we should have a note

* Will have the notes proposed, but can massage the wording. Also need a CR

* [AT122][034][NR17] Correction on the applicable NSAG for slice based RACH (Xiaomi)

CB Friday

[R2-2306830](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306830.zip) Correction on the applicable NSAG for slice based RACH Beijing Xiaomi Software Tech CR Rel-17 38.331 17.4.0 4166 F NR\_slice-Core

* agreed

ePowSav

[R2-2305470](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305470.zip) Discussion on the TRS availability Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

* Noted, not agreed

[R2-2305913](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305913.zip) Correction on TRS availability Ericsson CR Rel-17 38.331 17.4.0 4121 - F NR\_UE\_pow\_sav\_enh-Core

* Not enough support

DISCUSSION

- OPPO agrees with Ericsson, don’t think there is anything wrong with SIB acquisition. OPPO support E CR.

- Xiaomi, ZTE, OPPO, Ericsson think the HW CR is not needed.

- CATT think that hw CR is based on wrong assumption, think that Ericsson CR is too late, would be ok with Ericsson CR if needed.

- vivo think current TS works.

- QC support Ericsson CR as it is consistent with current SI handling.

- MTK think both ways would work.

- HW think there is a BW compatibility issue ..

- Chair : Was stated online that RAN4 is working on this, allow to check, and to understand better.

[R2-2306220](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306220.zip) On UAI RLM/BFD reports when “No DRX is used” CATT discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2305912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305912.zip) RLM and BFD relaxation and no DRX Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

* Both noted

[R2-2305902](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305902.zip) Correction on RLM/BFD relaxation state reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4120 - F NR\_UE\_pow\_sav\_enh-Core

* [AT122][020][ePowSav] R4 on no/long/short DRX (Ericsson)

Offline, check R4 progress, LSout if needed

DISCUSSION

- Ericsson reports that there is a CR in RAN4 for sections 1.1.1 and 8.1.1.1 that corrects

- Ericsson think this is now clear in R4 for DRX with period < 80ms, thikn there iw a problem for two level DRX where there is a risk for too much reporting from the UE.

- Nokia think we should send the LS, as it is not resolved in R4 yet. Understand that CR in R4 will not be agreed.

- MTK think LS is not needed. Think R2 can think about the two level DRX. Vivo also think LS is not needed. ZTE also agrees.

- Chair : We dont send an LS to R4. Can CB next meeting is something remains to be done.

* If there will be no clarification in R4 regarding *no DRX is used* then R2 will clarify this. Postponed

MGE

[R2-2304638](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304638.zip) Reply LS on support of per FR PRS gap (R4-2306388; contact: Huawei) RAN4 LS in Rel-17 NR\_MG\_enh-Core To:RAN2

Moved from 6.1.1

* Noted

[R2-2306061](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306061.zip) Corrections to gapAssociationPRS Huawei, HiSilicon, MediaTek Inc. CR Rel-17 38.331 17.4.0 4126 - F NR\_MG\_enh-Core

- CATT think this is too detailed, better for a future relase. Nokia agrees, and think the HW CR repeats things from R4 specifiction. Apple agrees it is better to refer to R4 TS for details. R4 has no details on R15 and/or R17 gaps. MTK agrees R4 TS doens specify this. Think the details are needed.

- ZTE agrees that this CR is complex (too complex).

[R2-2306388](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306388.zip) Correction on gapAssociationPRS CATT CR Rel-17 38.331 17.4.0 4147 - F NR\_MG\_enh-Core

- HW think the last sentence is not clear. Want UE-network consistency.

* [AT122][021][MGE] per FR PRS gaps (CATT)

Find solution and agreeable CR.

[R2-2306811](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306811.zip) Correction on gapAssociationPRS CATT, Huawei, HiSilicon, MediaTek Inc., ZTE, Sanechips

CR Rel-17 38.331 17.4.0 4147 1 F NR\_MG\_enh-Core

* agreed

71GHz

HARQ

[R2-2304610](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304610.zip) LS to RAN2 on scheduling and HARQ issues for FR2-2 (R1-2304099; contact: LGE) RAN1 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN2

Moved here from 6.1.1

* noted

[R2-2305267](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305267.zip) CP corrections for 71GHz NEC CR Rel-17 38.331 17.4.0 4097 - F NR\_ext\_to\_71GHz-Core

[R2-2304840](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304840.zip) Miscellaneous corrections on scheduling and HARQ issues for FR2-2 Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4076 - F NR\_ext\_to\_71GHz-Core

- HW prefer to use existing field with extension field 16 bits instead of a new 32 bit field

[R2-2305968](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305968.zip) Correction to RRC for 71 GHz on scheduling and HARQ issues Ericsson CR Rel-17 38.331 17.4.0 4089 1 F NR\_ext\_to\_71GHz-Core [R2-2305115](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305115.zip)

- Ericsson prefer to use a new field. Need to specify also the applicability (per CC etc)

[R2-2306111](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306111.zip) Correction on TBoMS in multi-PUSCHs list ASUSTeK CR Rel-17 38.331 17.4.0 4133 - F NR\_ext\_to\_71GHz-Core

- HW think we should do this in the offline, has different opinion on solution.

* 4 CRs above merged

[R2-2306318](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306318.zip) Correction to RRC for 71GHz on scheduling and HARQ configuration for FR2-2 LG Electronics Inc. CR Rel-17 38.331 17.4.0 4144 - F NR\_ext\_to\_71GHz-Core

- LG just extended whole IE, and restrict the new UE to use the new field.

* Revised
* [AT122][014][71GHz] Sched and HARQ (LGE)

Make a joint agreeable CR

[R2-2306782](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306782.zip) Correction to RRC for 71GHz on scheduling and HARQ configuration for FR2-2 LG Electronics Inc., NEC, Huawei, HiSilicon, Ericsson, ASUSTeK, Samsung CR Rel-17 38.331 17.4.0 4144 1 F NR\_ext\_to\_71GHz-Core

* agreed

Multi-PUSCH

[R2-2305113](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305113.zip) Discussion on remaining issues for multi-PUSCH Ericsson, LG Electronics Inc., ASUSTeK, Nokia, Nokia Shanghai Bell, Samsung, Xiaomi, Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2305268](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305268.zip) K2 indication for multi-PUSCH Qualcomm Incorporated discussion

DISCUSSION

- QC agrees that if we just apply the R1 LS then there is a problem.

- QC prefer to reply to RAN1, to ask them instead of making a formula in RAN2.

- QC prefer to not change anything right now.

- HW think we can also provide the CR to RAN1 and ask if it works.

- Apple agrees with QC, thikn we need to point out the issue, they were likely not aware of NBC ..

* Send an reply LS to RAN1, indicating the issue, can also attach the solution indicated in [R2-2305114](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305114.zip) as a tentative way dicussed in R2.
* [AT122][015][71GHz] Reply LS (QC)

Cb

[R2-2306785](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306785.zip) DRAFT Reply LS on K2 indication for multi-PUSCH Qualcomm LS out

* Approved in R2-2306816

[R2-2305047](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305047.zip) Correction to RRC for 71 GHz on multi-PUSCH Ericsson, LG Electronics Inc., ASUSTeK, Nokia, Nokia Shanghai Bell, Samsung, Xiaomi, Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4016 2 F NR\_ext\_to\_71GHz-Core R2-2303557

[R2-2305114](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305114.zip) Further correction to RRC for 71 GHz on multi-PUSCH Ericsson, Xiaomi, ASUSTeK, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung, LG Electronics Inc CR Rel-17 38.331 17.4.0 4088 - F NR\_ext\_to\_71GHz-Core

* Both postponed

TEI

[R2-2304616](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304616.zip) LS to RAN2 on introduction of one new RRC parameter and one new UE capability for Rel-17 (R1-2304156; contact: Qualcomm) RAN1 LS in Rel-17 TEI17, NR\_newRAT-Core To:RAN2

* Noted, RAN2 aims to follow the request from RAN1

[R2-2304859](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304859.zip) Correction on Type1 HARQ-ACK codebook generation Qualcomm Incorporated CR Rel-17 38.331 17.4.0 4081 - F TEI17

[R2-2304860](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304860.zip) Correction on Type1 HARQ-ACK codebook generation Qualcomm Incorporated CR Rel-17 38.306 17.4.0 0912 - F TEI17

[R2-2305141](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305141.zip) Addition of multiPDSCH-PerSlot-Type1CB capability definition to 38.306 Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.4.0 0913 - B TEI17, NR\_newRAT-Core

[R2-2305142](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305142.zip) Addition of multiPDSCH-PerSlot-Type1CB capability and configuration to 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4091 - B TEI17, NR\_newRAT-Core

* [AT122][016][TEI17] Type1 HARQ-ACK codebook generation (QC)

CB Friday, include Reply LS to R1 as well as CRs

DISCUSSION

- QC inform that we need an LS as well, and do more alignment w R1

CB DISCUSSION

- QC reports that after offline, the CRs should be endorsed nd sent to R1 for checking.

[R2-2306878](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306878.zip) Correction on Type1 HARQ-ACK codebook generation Qualcomm Incorporated CR Rel-17 38.331 17.4.0 4081 - F TEI17

[R2-2306879](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306879.zip) Correction on Type1 HARQ-ACK codebook generation Qualcomm Incorporated CR Rel-17 38.306 17.4.0 0912 - F TEI17

* Both endorsed (for checking by RAN1 with LS)

[R2-2306877](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306877.zip) DRAFT Reply LS on introduction of one new RRC parameter and one new UE capability for Rel-17 LS out

* LS out is approved in R2-2306892 (attaching the endorsed CRs)

QoE

[R2-2305136](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305136.zip) Miscellaneous corrections on NR QoE Lenovo CR Rel-17 38.331 17.4.0 4090 - F NR\_QoE-Core

CB Friday

- Ericsson think the wording has started et cis not good as the UE should send this immediately at start stop, can do other change for consistency. Lenovo to update in R2-2306890

* With the comment, the contents is agreeable, R2-2306890 is merged with Rapporteur CR.

feMIMO

[R2-2305348](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305348.zip) Corrections on R17 unified TCI framework CATT CR Rel-17 38.331 17.4.0 4100 - F NR\_FeMIMO-Core

- ZTE : 1st change – not needed to be descripbed, 2nd ok, 3rd – no opinion

- HW : agrees that 1st change shold not be agreed (wrong), 2nd ok, 3rd change : wrong field

- Chair : it seems at least 2nd change is agreeable, 3rd – may need more discussion then

* [AT122][017][feMIMO17] Corrections on R17 unified TCI framework (CATT)

CB

[R2-2306809](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306809.zip) Corrections on R17 unified TCI framework CATT CR Rel-17 38.331 17.4.0 4100 - F NR\_FeMIMO-Core

* agreed

DCCA

[R2-2305349](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305349.zip) Correction on scg-CellGroupConfig within RRC inter-node message CATT CR Rel-17 38.331 17.4.0 4101 - F LTE\_NR\_DC\_enh2-Core

- Comments : 37340 to be removed, interoperbility statement shouldnt include the UE. Discussion on the wording in the change.

* Intent is agreeable
* [AT122][035][NR17] scg-CellGroupConfig within RRC inter-node message (CATT)

CB Friday

[R2-2306869](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306869.zip) Correction on scg-CellGroupConfig within RRC inter-node message CATT CR Rel-17 38.331 17.4.0 4101 1 F LTE\_NR\_DC\_enh2-Core

* agreed

[R2-2306354](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306354.zip) Clarification on scellActiationRS-ConfigToAddModList field description Samsung CR Rel-17 38.331 17.4.0 4146 - F LTE\_NR\_DC\_enh2-Core

* Change is agreed, merged with Rapporteur CR

RedCap

[R2-2305397](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305397.zip) RedCap 1Rx/2Rx determination from network perspective ZTE Corporation, Huawei, Sanechips discussion Rel-17

* RAN2 understands that Handover restrictions is handled in principle differently to barring, and this is handled in RAN3. The UE doesn’t check cell barring for target cell at handover.

[R2-2305467](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305467.zip) Corrections on SI request configuration for RedCap Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4108 - F NR\_redcap-Core

- Apple think that redcap UE considers the redcap spcific UL BWP to be the initial UL BWP already so the change is not needed. ZTE agrees with this. Ericsson agrees.

* Not pursued

SDT

[R2-2305489](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305489.zip) Corrections on the general description of UL information transfer CATT CR Rel-17 38.331 17.4.0 4111 - F NR\_SmallData\_INACTIVE-Core

- LGE agrees the second change, first change is not needed.

- ZTE think that the rapporteur should check also the DLInformationTransfer

* Merged with Rapporteur CR, rapporteur can decide if to have the first change.

[R2-2305804](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305804.zip) Control plane corrections for SDT Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4114 - F NR\_SmallData\_INACTIVE-Core

* agreed

[R2-2306496](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306496.zip) Clarification on SDT configuration ZTE Corporation, Sanechips CR Rel-17 38.331 17.4.0 4154 - F NR\_SmallData\_INACTIVE-Core

- vivo thikn this is already clear in R1 TS

* agreed

Revised or withdrawn

[R2-2305115](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305115.zip) Correction to RRC for 71 GHz on scheduling and HARQ issues Ericsson CR Rel-17 38.331 17.4.0 4089 - F NR\_ext\_to\_71GHz-Core Revised

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

General

[R2-2304611](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304611.zip) LS on updated Rel-17 RAN1 UE features lists for NR after RAN1#112bis-e (R1-2304115; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_pos\_enh, NR\_redcap, NR\_UE\_pow\_sav\_enh, NR\_cov\_enh, NR\_IAB\_enh, NR\_SL\_enh, NR\_MBS, NR\_DSS, LTE\_NR\_DC\_enh2, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_SmallData\_INACTIVE, TEI17, NR\_newRAT To:RAN2 Cc:RAN4

* Noted

[R2-2304633](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304633.zip) LS on updated Rel-17 RAN4 UE feature list for NR (R4-2304660; contact: CMCC) RAN4 LS in Rel-17 To:RAN2 Cc:RAN1

2 LSes moved here from 6.1.1

* Noted

[R2-2305950](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305950.zip) Miscellaneous updates for TR 38.822 Intel Corporation CR Rel-17 38.822 17.0.0 0013 - F NR\_NTN\_solutions-Core, NR\_MG\_enh-Core, NR\_DL1024QAM\_FR1, NR\_MBS-Core, TEI17, NR\_FeMIMO-Core, NR\_redcap-Core, NR\_pos\_enh-Core, NR\_cov\_enh-Core

- LSes reflected here

- updated w offline comments

- Lenovo had some comments sent offline.

* [AT122][036][NR17] 38822 (intel)

CB Friday

[R2-2306820](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306820.zip) Miscellaneous updates for TR 38.822 Intel Corporation CR Rel-17 38.822 17.0.0 0013 1 F NR\_NTN\_solutions-Core, NR\_MG\_enh-Core, NR\_DL1024QAM\_FR1, NR\_MBS-Core, TEI17, NR\_FeMIMO-Core, NR\_redcap-Core, NR\_pos\_enh-Core, NR\_cov\_enh-Core

* agreed

[R2-2306322](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306322.zip) Alignment with RAN1 feature list update on MBS Intel Corporation CR Rel-17 38.306 17.4.0 0925 - F NR\_MBS-Core

* Agreed

Bandwidth

Aggregated BW

[R2-2304856](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304856.zip) Maximum aggregated bandwidth for FR1 inter-band CA Qualcomm Incorporated, Apple, Ericsson discussion Rel-17 NR\_BCS4-Core

DISCUSSION

- Samsung wonder if this is an optimization. Chair think yes.

- HW wonder about legacy BCS0.

- Nokia has some sympathy for the Huawei concern. Think that BCS5-only optimization can be ok.

- Apple think P6 should be applicable to FR2 as well.

- HW wonder if this applies to only-bcs5 or if it also includes legacy BCS. QC think this is up to R4 and a UE may include a legacy BCS if the UE is “nice”.

- MTK think BCS5 was intended to include all max BWs, including also those covered by legacy BCS.

- Nokia think BCS5 is not a requirement from network point of view.

- QC think it is clear that with BCS5 the UE need to support more combinations. QC think there are cases in the future where only BCS4 and BCS5 are supported, thus this is clearly useful.

- Nokia think this can be supported it BW compatibility is ensured.

- HW think that if BCS0 is indicated the network may overestimate the UE cap. QC think that BCS0 can be indicated. Chair think that BCS0 indication may need to indicate lower capability than the BCS5 indication in order to work/make sense.

* Working Assumption that we go with P1-P6 in [R2-2304856](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304856.zip), under the condition that BW compatibility is supported. Next meeting describe how BW compatibility can work and confirmation of WA (or the opposite if serious issues are found)

[R2-2304857](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304857.zip) Introduction of maximum aggregated bandwidth for FR1 inter-band CA Qualcomm Incorporated CR Rel-17 38.331 17.4.0 4080 - C NR\_BCS4-Core

[R2-2304858](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304858.zip) Introduction of maximum aggregated bandwidth for FR1 inter-band CA Qualcomm Incorporated CR Rel-17 38.306 17.4.0 0911 - C NR\_BCS4-Core

[R2-2305108](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305108.zip) Way forward on agg BW reporting per BC Apple discussion NR\_RF\_FR2\_req\_enh2-Core

[R2-2306499](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306499.zip) On signaling for the maximum aggregated bandwidth MediaTek Inc. discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Other

[R2-2305270](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305270.zip) Corrections to signaling of Rel-17 channel bandwidths in FR1 Qualcomm Incorporated CR Rel-17 38.306 17.4.0 0914 - F TEI17, NR\_ext\_to\_71GHz-Core

- QC think this need to be fixed urgently.

- Ericsson think there are potential consistency issues for the network, but that can be resolved in longer term. A new UE also need to indicate legacy BW fields.

* Agreed

RedCap

[R2-2305464](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305464.zip) Correction on the capability of RedCap UE Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0916 - F NR\_redcap-Core

- Apple agrees with intention but think the wording in 306 should onl reflect the UE capability not configuration limitations etc.

- Ericsson support the CR.

* Remove “RRC reconfiguration of any parameters related to BWP”, With this change the CR is agreed unseen.

Power class

[R2-2305875](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305875.zip) Discussion on per-band per-BC power class capability signalling Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR1\_enh-Core

[R2-2305877](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305877.zip) Clarification on ue-PowerClassPerBandPerBC-r17 Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.4.0 0920 - F NR\_RF\_FR1\_enh-Core

[R2-2304670](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304670.zip) Discussion on ue-PowerClassPerBandPerBC-r17 OPPO discussion Rel-17 NR\_RF\_FR1\_enh

Samsung reports that RAN4 is working on this. RAN2 should postpone.

* Topic postponed (R4 LS)

Intra-band EN-DC

[R2-2306507](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306507.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-15 38.306 15.20.0 0927 - B TEI17, NR\_newRAT-Core

[R2-2306508](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306508.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-16 38.306 16.12.0 0928 - A TEI17, NR\_newRAT-Core

[R2-2306509](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306509.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-17 38.306 17.4.0 0929 - A TEI17, NR\_newRAT-Core

- Chair: 3 CRs agreeable

[R2-2306510](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306510.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-15 38.331 15.21.0 4156 - B TEI17, NR\_newRAT-Core

[R2-2306511](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306511.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-16 38.331 16.12.0 4157 - A TEI17, NR\_newRAT-Core

[R2-2306512](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306512.zip) Introduction of intra-band EN-DC contiguous capability for UL Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, Intel Corporation, ZTE Corporation, Sanechips, MediaTek inc CR Rel-17 38.331 17.4.0 4158 - A TEI17, NR\_newRAT-Core

- Huawei report that there is an ASN.1 mistake that need to be corrected.

- Chair: 3 CRs agreeable with ASN.1 fix

- Huawei think we may need to wait for another RAN4 LS. Chair asks to check R4 status until Friday, would be good to agree the CRs in this quarter

CB Friday

- dHuawei report that we need to wait for R4 LS but it should be ready today

- Chair: We attempt short email discussion. If we cannot converge after a week, we postpone.

* [Post122][050][NR15] intraband ENDC UE cap (Huawei)

Scope: Agreed CRs for TSG RAN

Deadline: Short

Withdrawn

R2-2305876 Discussion on per-band per-BC power class capability signalling Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4119 - F NR\_RF\_FR1\_enh-Core Withdrawn

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

IAB

[R2-2304984](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304984.zip) Corrections on RLF indication for BAP Huawei, HiSilicon CR Rel-17 38.340 17.4.0 0032 - F NR\_IAB\_enh-Core

- ZTe think it can be optional but can accept if everyone else support the CR.

* Agreed

[R2-2305798](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2305798.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305798.zip) Clarification on respective roles of MAC and RRC in configuring various IAB parameters Samsung, Nokia, Nokia Shanghai Bell, ZTE, Ericsson, Huawei CR Rel-17 38.321 17.4.0 1622 - F NR\_IAB\_enh-Core

Moved from 6.1.2.1

* agreed

[R2-2306004](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306004.zip) Clarification on which CSI-RS resources in IAB restricted beam MAC CEs Ericsson CR Rel-17 38.321 17.4.0 1624 - F NR\_IAB\_enh-Core

Moved from 6.1.2.1

- ZTE and sasumg are ok, ZTE think this is needed also for DL TX power adjustment MAC CE.

- HW think this is not needed, CSI-RS index should be clear

- Ericsson point out that this clarification is there in other places and this is mainly a consistency update. Chair: maybe a consistency update is ok.

CB Friday (can check offline)

[R2-2306872](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306872.zip) Clarification on which CSI-RS resources in IAB restricted beam MAC CEs Ericsson CR Rel-17 38.321 17.4.0 1624 1 F NR\_IAB\_enh-Core

* Th ME box to be ticked, with this change the CR is agreed unseen in R2-2306893

[R2-2306005](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306005.zip) Correction on number of restricted beams for eIAB - Alt1 Ericsson CR Rel-17 38.321 17.4.0 1625 - F NR\_IAB\_enh-Core

Moved from 6.1.2.1

- Ericsson think we should check the name of the field should not contain ID

- Samsung would like to check offline

* Postponed

[R2-2306006](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306006.zip) Correction on number of restricted beams for eIAB - Alt2 Ericsson CR Rel-17 38.321 17.4.0 1626 - F NR\_IAB\_enh-Core

Moved from 6.1.2.1

* Not pursued

Slicing

[R2-2305415](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305415.zip) Relation between slice-based reselection information provided in dedicated signalling and SIB16 Nokia, Nokia Shanghai Bell, Ericsson, Kyocera discussion Rel-17 NR\_slice-Core

* Noted

DISCUSSION

- CATT think That control of area where the UE performs Slice based reselection is important. Otherwise the UE may move to an area where NASG is not valid.

- Nokia think that long-distance = new registration area, and then the UE will be able to update its information. Nokia also point out that the proposal of validity for dedicated signalling was rejected.

- Apple think that Sa2 decisions require tight control.

- Ericsson think there are many cases without area restriction, and for such case there is no need for such control.

- QC think there is need to broadcast.

- Nokia think that if dedicated information is good for most UEs this is sufficient condition to apply it, if some UEs more “far Away” maybe they will not be on optimal frequency, but there will be registration update.

- CMCC think dedicated information contains all required tools, e.g. also validity timer. But anyway think CATT CR is simple and clear.

- LGE support CATT CR. Even for reselection, freq shall be provided by bcast as well.

- Ericsson think that with CATT CR the dedicated signalling is not useful. Samsung think that UE can then be controlled per UE.

- QC think that a drawback is that all UEs need to read SIB16 ..

CB for decision (Chair recommend that operators should decide)

- CMCC reports that after offline consideration there is now support for Nokia CR

[R2-2306834](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306834.zip) Clarifications on the use of SIB16 Nokia, Nokia Shanghai Bell, Ericsson, Kyocera DraftCR Rel-17 38.304 17.4.0 F NR\_slice-Core

- Nokia report that the 2nd change “in SIB4 and in SIB5” shall be removed (due to offline comments). QC think then we should add “except SIB16”.

* 2nd change “in SIB4 and in SIB5” shall be removed, with this change it is agreeable.

[R2-2306880](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306880.zip) Clarifications on the use of SIB16 Nokia, Nokia Shanghai Bell, Ericsson, Kyocera CR Rel-17 38.304 17.4.0 0348 F NR\_slice-Core

Late Requested CB to revisit (Ericsson)

- Lenovo asks to check in a short email discussion

* Short email approval
* [Post122][051][Slice17] Clarifications on the use of SIB16 (Nokia)

Scope: CR approval based on R2-2306880 (for TSG RAN)

Deadline: Short

[R2-2306099](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306099.zip) Discussion on the relation between SIB16 and dedicated signalling Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2306174](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306174.zip) Essentiality of SIB16 in RAN Slicing Apple, OPPO discussion Rel-17 NR\_slice-Core

[R2-2306395](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306395.zip) Correction on handling on slice availability in SIB16 in TS 38.304 CATT,Samsung,Xiaomi, Spreadtrum, Apple,OPPO CR Rel-17 38.304 17.4.0 0344 - F NR\_slice-Core

* 3 tdocs noted

NPN

[R2-2305782](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305782.zip) Clarification on Access Identities Validity Samsung R&D Institute India CR Rel-17 38.304 17.4.0 0343 - F NG\_RAN\_PRN\_enh-Core

- Lenovo think this is from Rel-16 and think the behaviour is clear from the procedure text.

- Samsung think SA1 specified this only from Rel-17

* CR is agreeable, should be fixed from Rel-16, Cat F + Cat A, CRs are agreed unseen

RedCap

[R2-2306431](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306431.zip) Corrections on RRM relaxation for RedCap Huawei, HiSilicon, OPPO CR Rel-17 38.304 17.4.0 0331 1 F NR\_redcap-Core R2-2303135

- HW reports that we are still waiting for RAN4.

CB, check R4 progress Friday

- HW think R4 will agree a CR and this one is not needed

* Not pursued

## 6.2 NR Multicast

(NR\_MBS-Core; leading WG: RAN2; REL-17; WID: RP-201038)

Tdoc Limitation: 2 tdocs

### 6.2.0 In principle agreed CRs

[R2-2304721](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304721.zip) Corrections to paging for MBS Samsung Electronics Co., Ltd CR Rel-17 38.331 17.4.0 3967 2 F NR\_MBS-Core R2-2304470

[R2-2304780](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304780.zip) Corrections on MBS Broadcast Configuration CATT, CBN CR Rel-17 38.331 17.4.0 3946 2 F NR\_MBS-Core R2-2304323

R2-2304781 Correction on Supporting MBS in SNPN CATT, CBN CR Rel-17 38.331 17.4.0 4065 2 F NR\_MBS-Core R2-2304469 Withdrawn

[R2-2304782](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304782.zip) Correction on Supporting MBS in SNPN CATT, CBN CR Rel-17 38.331 17.4.0 4065 3 F NR\_MBS-Core R2-2304558

[R2-2304815](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304815.zip) Miscellaneous RRC corrections for MBS Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4044 2 F NR\_MBS-Core R2-2304321

[R2-2304816](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304816.zip) Correction on MBS capabilities Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0908 1 F NR\_MBS-Core R2-2304322

[R2-2304981](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304981.zip) Corrections on cfr-ConfigMulticast and Multicast DRX NEC, LG Electronics Inc, Nokia, Nokia Shanghai Bell, Samsung CR Rel-17 38.321 17.4.0 1579 2 F NR\_MBS-Core R2-2304561

[R2-2305662](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305662.zip) Misc correction to TS 38.331 on NR MBS ZTE, Sanechips CR Rel-17 38.331 17.4.0 4015 2 F NR\_MBS-Core R2-2304329

[R2-2305771](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305771.zip) Corrections on SPS Initialization and Handling of Unknown, Unforeseen and Erroneous Protocol Data for MBS Samsung R&D Institute India CR Rel-17 38.321 17.4.0 1583 2 F NR\_MBS-Core R2-2304528

[R2-2305847](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305847.zip) Correction to PDSCH Aggregation of MBS SPS vivo CR Rel-17 38.331 17.4.0 3948 3 F NR\_MBS-Core R2-2304557

[R2-2306112](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306112.zip) Corrections on MBS SPS configuration ASUSTeK CR Rel-17 38.331 17.4.0 4037 2 F NR\_MBS-Core R2-2304550

### 6.2.1 CP and Stage-2 corrections

Including corrections to TS 38.300, TS 38.331, TS 38.304, TS 38.306.

[R2-2304697](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304697.zip) Discussion on MBS Broadcast Reception on SCell vivo Mobile Com. (Chongqing) discussion Rel-17 NR\_MBS-Core

[R2-2304776](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304776.zip) Discussion on plmn-Index with MBS broadcast reception on SCell CATT, CBN discussion NR\_MBS-Core

[R2-2304777](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304777.zip) Corrections on pdsch-HARQ-ACK-CodebookListMulticast CATT, CBN CR Rel-17 38.331 17.4.0 4074 - F NR\_MBS-Core

[R2-2304817](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304817.zip) Remaining CP issues for MBS Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2304987](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304987.zip) Correction on terminology misalignment in 38.300 NEC CR Rel-17 38.300 17.4.0 0671 - F NR\_MBS-Core

[R2-2305584](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305584.zip) Corrections for MBS paging Xiaomi draftCR Rel-18 38.331 17.4.0 NR\_MBS-Core

[R2-2305914](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305914.zip) Clarification for Mission Critical UEs Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2305915](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305915.zip) MBS broadcast on SCell using plmn-Index Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2306113](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306113.zip) Discussion on SPS deactivation state list for MBS ASUSTeK discussion Rel-17 38.331 NR\_MBS-Core

[R2-2306114](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306114.zip) Corrections on SPS deactivation state list for MBS ASUSTeK CR Rel-17 38.331 17.4.0 4134 - F NR\_MBS-Core

[R2-2306323](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306323.zip) Supporting MBS Broadcast reception in SCell Samsung CR Rel-17 38.331 17.4.0 4145 - F NR\_MBS-Core

[R2-2306359](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306359.zip) MBS Scell Reception Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

### 6.2.2 UP corrections

Including corrections to MAC, PDCP, RLC and SDAP.

[R2-2304699](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304699.zip) Further Correction on Multicast DRX without cfr-ConfigMulticast vivo, NEC Corporation CR Rel-17 38.321 17.4.0 1612 - F NR\_MBS-Core

[R2-2304818](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304818.zip) Remaining issue on PTP retransmission monitoring Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2305737](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305737.zip) DRX Timers for PTP Retransmission Samsung discussion Rel-17 NR\_MBS-Core

[R2-2306320](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306320.zip) Correction to SDAP protocol for NR MBS TD Tech, Chengdu TD Tech CR Rel-17 37.324 17.0.0 0023 - F NR\_MBS-Core

R2-2306360 MBS General CR to 38.331 Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core Withdrawn

[R2-2306392](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306392.zip) PTM retransmission reception by UEs without HARQ feedback Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

## 6.3 NR Sidelink relay

(NR\_SL\_Relay-Core; leading WG: RAN2; REL-17; WID: RP-212601)

Tdoc Limitation: 2 tdocs

### 6.3.0 In principle agreed CRs

[R2-2306196](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306196.zip) Clarification on the services expected from SRAP layer Huawei, HiSilicon CR Rel-17 38.323 17.4.0 0123 1 F NR\_SL\_relay-Core R2-2303490

[R2-2306197](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306197.zip) Clarification on the maximum Data field size for L2 U2N relay Huawei, HiSilicon CR Rel-17 38.322 17.2.0 0052 1 F NR\_SL\_relay-Core R2-2303491

[R2-2306198](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306198.zip) Clarification on sidelink communication resource configuration used by OoC L2 Remote UE Huawei, HiSilicon CR Rel-17 38.304 17.4.0 0333 3 F NR\_SL\_relay-Core R2-2304508

[R2-2306199](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306199.zip) Miscellaneous corrections for SL relay Huawei, HiSilicon, CATT, ZTE Corporation, Sanechips, vivo, Apple, Nokia, Nokia Shanghai Bell, Philips International B.V. CR Rel-17 38.331 17.4.0 4064 1 F NR\_SL\_relay-Core R2-2304466

### 6.3.1 Control plane and Stage-2 corrections

A single CR with miscellaneous corrections is encouraged. Small editorial corrections should be sent directly to the CR rapporteur. Larger open issues can be discussed with contributions (limited time).

[R2-2305057](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305057.zip) Miscellaneous corrections for Stage 2 NR sidelink enhancements Apple CR Rel-17 38.300 17.4.0 0655 1 F NR\_SL\_enh-Core R2-2303383

[R2-2305212](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305212.zip) Clarification on sidelink discovery ZTE, Sanechips CR Rel-17 38.304 17.4.0 0342 - F NR\_SL\_relay-Core

[R2-2305215](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305215.zip) Correction on remote UE’s behavior upon SIB1 reception Xiaomi CR Rel-17 38.331 17.4.0 4092 - F NR\_SL\_relay-Core

[R2-2305243](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305243.zip) UE behavior when the NW indicates not supporting discovery vivo CR Rel-17 38.331 17.4.0 4093 - F NR\_SL\_relay-Core

[R2-2305244](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305244.zip) Correction on L2 U2N Relay UE behavior upon cell selection vivo CR Rel-17 38.331 17.4.0 4094 - F NR\_SL\_relay-Core

[R2-2305274](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305274.zip) Correction on direct to indirect path switching CATT CR Rel-17 38.300 17.4.0 0674 - F NR\_SL\_relay-Core

[R2-2305275](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305275.zip) Correction on the PC5 unicast link release in case of indirect to direct path switching CATT CR Rel-17 38.300 17.4.0 0675 - F NR\_SL\_relay-Core

[R2-2305573](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305573.zip) On sidelink discovery transmission upon reception of SIB12 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4113 - F NR\_SL\_relay-Core

[R2-2305587](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305587.zip) Differentiation of SD-RSRP and SL-RSRP Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.4.0 0679 - F NR\_SL\_relay-Core

[R2-2305820](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305820.zip) Non NBC change to SL DRX timers BWP numerology Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.4.0 1623 - F NR\_SL\_enh-Core

[R2-2305846](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305846.zip) Reception of PC5 release message during re-establishment Lenovo discussion Rel-17 38.331 NR\_SL\_relay-Core

[R2-2305849](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305849.zip) Correction for release message with re-establishment Lenovo CR Rel-17 38.331 17.4.0 4118 - F NR\_SL\_relay-Core

[R2-2306115](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306115.zip) Corrections on L2 U2N Relay ASUSTeK CR Rel-17 38.331 17.4.0 4135 - F NR\_SL\_relay-Core

[R2-2306131](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306131.zip) Correction on Sidelink Relay discovery procedure Philips International B.V. CR Rel-17 38.331 17.4.0 4137 - F NR\_SL\_relay-Core

[R2-2306194](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306194.zip) RRC corrections for SL Relay Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4140 - F NR\_SL\_relay-Core

[R2-2306498](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306498.zip) Correction on Sidelink Discovery Transmissions Ericsson España S.A. CR Rel-17 38.331 17.4.0 4155 - F NR\_SL\_relay-Core

R2-2306751 [Pre122][406][Relay] Summary of AI 6.3.1 on Rel-17 relay control plane (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

### 6.3.2 User plane corrections

A single CR with miscellaneous corrections is encouraged. Small editorial corrections should be sent directly to the CR rapporteur for the corresponding spec. Larger open issues can be discussed with contributions (limited time).

[R2-2305211](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305211.zip) Corrections on SRAP for SL relay ZTE Corporation, Sanechips CR Rel-17 38.351 17.4.0 0021 - F NR\_SL\_relay-Core

[R2-2305589](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305589.zip) Corrections on SRAP for SL relay NEC, Apple, Samsung, ZTE CR Rel-17 38.351 17.4.0 0020 2 F NR\_SL\_relay-Core R2-2304480

[R2-2306195](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306195.zip) Clarification on the SRAP configuration used in SRAP Huawei, HiSilicon CR Rel-17 38.351 17.4.0 0022 - F NR\_SL\_relay-Core

## 6.4 NR Non-Terrestrial Networks (NTN)

(NR\_NTN\_solutions-Core; leading WG: RAN2; REL-17; WID: RP-211557)

Tdoc Limitation: 1 tdocs

### 6.4.0 In principle agreed CRs

R2-2304730 Correction on missing referencing of the NTN spec in 38.306 Mediatek India Technology Pvt. CR Rel-17 38.306 17.4.0 0909 - F NR\_NTN\_solutions-Core Withdrawn

[R2-2304761](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304761.zip) NTN stage-2 correction OPPO, Ericsson, Thales, Samsung CR Rel-17 38.300 17.4.0 0647 3 F NR\_NTN\_solutions-Core R2-2304268

[R2-2304828](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304828.zip) Correction on Event D1 for Rel-17 NTN vivo CR Rel-17 38.331 17.4.0 4011 1 F NR\_NTN\_solutions-Core R2-2303461

[R2-2304866](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304866.zip) Correction on missing referencing of the NTN spec in 38.306 MediaTek CR Rel-17 38.306 17.4.0 0894 2 F NR\_NTN\_solutions-Core R2-2304265 Withdrawn

[R2-2304867](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304867.zip) Correction on missing referencing of the NTN spec in 38.331 MediaTek CR Rel-17 38.331 17.4.0 4021 1 F NR\_NTN\_solutions-Core R2-2303675 Withdrawn

[R2-2304869](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304869.zip) Correction on missing referencing of the NTN spec in 38.306 MediaTek CR Rel-17 38.306 17.4.0 0894 3 F NR\_NTN\_solutions-Core R2-2304265

[R2-2304870](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304870.zip) Correction on missing referencing of the NTN spec in 38.331 MediaTek CR Rel-17 38.331 17.4.0 4021 2 F NR\_NTN\_solutions-Core R2-2303675

[R2-2304929](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304929.zip) Corrections to NR NTN for 38.321 CATT, Turkcell, Huawei, HiSilicon, Quectel, CAICT, Ericsson CR Rel-17 38.321 17.4.0 1597 2 F NR\_NTN\_solutions-Core R2-2304263

[R2-2305503](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305503.zip) Correction on NR NTN UE capabilities Intel Corporation CR Rel-17 38.306 17.4.0 0888 1 F NR\_NTN\_solutions-Core R2-2302693

[R2-2306116](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306116.zip) Clarification on T430 handling for target cell ASUSTeK, Samsung, Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4039 1 F NR\_NTN\_solutions-Core R2-2303923

[R2-2306117](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306117.zip) Correction on MIB configuration for NR NTN ASUSTeK CR Rel-17 38.331 17.4.0 4040 1 F NR\_NTN\_solutions-Core R2-2303924

[R2-2306152](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306152.zip) Clarification on UL operation upon validity timer expiry Apple, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, LG Electronics Inc. CR Rel-17 38.321 17.4.0 1588 2 F NR\_NTN\_solutions-Core R2-2304266

[R2-2306356](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306356.zip) Correction on SMTC for NR NTN Samsung, Huawei, HiSilicon, Google CR Rel-17 38.331 17.4.0 4025 2 F NR\_NTN\_solutions-Core R2-2304264

### 6.4.1 Corrections

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

[R2-2304639](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304639.zip) Reply LS on enhanced cell reselection in NTN (R4-2306389; contact: Nokia) RAN4 LS in Rel-17 NR\_NTN\_solutions To:RAN2

[R2-2304837](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304837.zip) Correction on stage-2 descriptions for measurement in NR NTN vivo CR Rel-17 38.300 17.4.0 0668 - F NR\_NTN\_solutions-Core

[R2-2304868](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304868.zip) Correction on actual SMTC offset for multiple NTN-Configs MediaTek CR Rel-17 38.331 17.4.0 4082 - F NR\_NTN\_solutions-Core

[R2-2304892](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304892.zip) Clarification on the SFTD applicability for NTN cell CATT, Qualcomm Incorporated, THALES, Quectel, Turkcell, IPLOOK CR Rel-17 38.331 17.4.0 4083 - F NR\_NTN\_solutions-Core

[R2-2305193](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305193.zip) Clarification on TN EUTRA capability reporting Qualcomm Incorporated CR Rel-17 38.331 17.4.0 3979 2 F NR\_NTN\_solutions-Core R2-2303034

[R2-2305376](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305376.zip) NTN stage-2 correction OPPO, LG Electronics, Qualcomm, CATT, Huawei, Lenovo, Thales CR Rel-17 38.300 17.4.0 0676 - F NR\_NTN\_solutions-Core

[R2-2305378](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305378.zip) MAC and RRC corrections for NR NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2305497](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305497.zip) Different UE capability support between TN and NTN Intel Corporation, Qualcomm Inc., Nokia, MediaTek, OPPO, vivo, Xiaomi, Apple, Thales, Lenovo, Samsung CR Rel-17 38.331 17.4.0 4112 - F NR\_NTN\_solutions-Core

[R2-2305878](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305878.zip) Missing reference to cell reselection requirements for NTN UEs in RRC INACTIVE Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.4.0 0921 - F NR\_NTN\_solutions-Core

[R2-2306063](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306063.zip) CR to 38.331 on Event D1 Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4127 - F NR\_NTN\_solutions-Core

[R2-2306251](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306251.zip) Clarification on configuration upon TN NTN mobility in RRC\_INACTIVE Ericsson CR Rel-17 38.331 17.4.0 4027 1 F NR\_NTN\_solutions-Core R2-2303785

[R2-2306262](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306262.zip) Description of R17 NR NTN HARQ mode A and B Ericsson CR Rel-17 38.300 17.4.0 0683 - F NR\_NTN\_solutions-Core

## 6.5 NR positioning enhancements

(NR\_pos\_enh-Core; leading WG: RAN1; REL-17; WID: RP-210903)

Tdoc Limitation: 2 tdocs

### 6.5.0 In principle agreed CRs

[R2-2304792](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304792.zip) Correction to UEPositioningAssistanceInformation Huawei, HiSilicon CR Rel-17 38.305 17.4.0 0124 2 F NR\_pos\_enh-Core R2-2304540

[R2-2304884](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304884.zip) Measurements and Assistance Data Transfer Nokia, Nokia Shanghai Bell CR Rel-17 38.305 17.4.0 0126 2 F NR\_pos\_enh-Core R2-2304494

[R2-2304885](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304885.zip) Protection Level and Target Integrity Risk Nokia, Nokia Shanghai Bell CR Rel-17 38.305 17.4.0 0127 2 F NR\_pos\_enh-Core R2-2304495

[R2-2304886](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304886.zip) LOS-NLOS-Indicator Types Nokia, Nokia Shanghai Bell, Qualcomm Incorporated CR Rel-17 37.355 17.4.0 0442 2 F NR\_pos\_enh-Core R2-2304496

[R2-2305131](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305131.zip) Miscellaneous corrections on LPP Lenovo CR Rel-17 37.355 17.4.0 0432 1 F NR\_pos\_enh-Core R2-2302884

[R2-2305289](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305289.zip) Corrections on applicability of timing error margin of RxTEG in NR-Multi-RTT-SignalMeasurementInformation field descriptions and other Miscellaneous corrections CATT CR Rel-17 37.355 17.4.0 0431 2 F NR\_pos\_enh-Core R2-2304520

[R2-2305290](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305290.zip) Corrections on the figure of UE Positioning Assistance Information procedure CATT CR Rel-17 38.331 17.4.0 3956 2 F NR\_pos\_enh-Core R2-2304281

[R2-2305291](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305291.zip) Miscellaneous corrections on 38.305 CATT CR Rel-17 38.305 17.4.0 0123 2 F NR\_pos\_enh-Core R2-2304516

[R2-2305444](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305444.zip) Stage 2 procedure for deactivation of MG gap and PPW Intel Corporation CR Rel-17 38.305 17.4.0 0135 1 F NR\_pos\_enh-Core R2-2304463

[R2-2305445](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305445.zip) LPP capability for FGs27-13a,14a and 14-2 Intel Corporation CR Rel-17 37.355 17.4.0 0445 1 F NR\_pos\_enh-Core R2-2304462

[R2-2306018](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306018.zip) Update of information transfer from gNB to LMF Ericsson CR Rel-17 38.305 17.4.0 0125 2 F NR\_pos\_enh-Core R2-2304457

### 6.5.1 Corrections

A single CR per TS (Stage-2, RRC, LPP, MAC, UEcap 306) with miscellaneous corrections is encouraged. Small editorial corrections should be sent directly to the CR rapporteur. Larger open issues can be discussed with contributions (limited time).

[R2-2304608](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304608.zip) LS on GNSS integrity requirement parameters definition (C4-230655; contact: Huawei) CT4 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2 Cc:SA2

R2-2304802 Correction on PosSRS-RRC-Inactive-OutsideInitialUL-BWP-r17 Huawei, HiSilicon CR Rel-17 38.306 17.4.0 0910 - F NR\_pos\_enh-Core Withdrawn

[R2-2304803](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304803.zip) Correction to MAC spec for Positoning Enhancements Huawei, HiSilicon, Ericsson, ZTE CR Rel-17 38.321 17.4.0 1614 - F NR\_pos\_enh-Core

[R2-2304804](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304804.zip) Reply to CT4 on GNSS integrity requirements Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2305363](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305363.zip) Correction on PosSRS-RRC-Inactive-OutsideInitialUL-BWP Huawei, HiSilicon CR Rel-17 38.331 17.4.0 4102 - F NR\_pos\_enh-Core

[R2-2305895](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305895.zip) Miscelaneous LPP Corrections Qualcomm Incorporated (Rapporteur) CR Rel-17 37.355 17.4.0 0448 - F NR\_pos\_enh-Core

[R2-2306025](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306025.zip) Miscellaneous corrections and additions Ericsson, Fraunhofer IIS, Fraunhofer HHI CR Rel-17 37.355 17.4.0 0449 - F NR\_pos\_enh-Core

[R2-2306026](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306026.zip) Missing finer periodicities than 1s Ericsson CR Rel-17 37.355 17.4.0 0450 - F NR\_pos\_enh-Core

R2-2306086 Correction on Location measurement indication for positioning ZTE Corporation CR Rel-17 38.331 17.4.0 4129 - F NR\_pos\_enh-Core Withdrawn

R2-2306087 Discussion on Location measurement indication for positioning ZTE Corporation discussion Rel-17 38.331 NR\_pos\_enh-Core Withdrawn

[R2-2306258](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306258.zip) Alert Limit Nokia, Nokia Shanghai Bell CR Rel-17 38.305 17.4.0 0136 - F NR\_pos\_enh-Core

[R2-2306259](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306259.zip) NR-TRP-LocationInfo for UE-based DL-TDOA and DL-AoD positioning Nokia, Nokia Shanghai Bell CR Rel-17 37.355 17.4.0 0454 - F NR\_pos\_enh-Core

[R2-2306756](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306756.zip) [Pre122][407][POS] Summary of AI 6.5.1 on Rel-17 positioning CATT discussion Rel-17 NR\_pos\_enh-Core

## 6.6 SON MDT

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: RP-201281)

Tdoc Limitation: 2 tdocs

### 6.6.0 In principle agreed CRs

### 6.6.1 SON Corrections

[R2-2305417](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305417.zip) Correction to NR M3 measurement Nokia, Nokia Shanghai Bell CR Rel-17 37.320 17.3.0 0124 1 F NR\_ENDC\_SON\_MDT\_enh-Core R2-2302863

[R2-2305418](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305418.zip) Correction to timeSCGFailure Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.4.0 4020 1 F NR\_ENDC\_SON\_MDT\_enh-Core R2-2303646

[R2-2305482](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305482.zip) Correction on timeSinceCHO-Reconfig in TS 38.331 CATT CR Rel-17 38.331 17.4.0 4110 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2305984](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305984.zip) Correction to the handling of RLF-Report after successful HO Ericsson discussion Rel-17 38.331 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2305985](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305985.zip) Miscellaneous corrections on SHR Ericsson discussion Rel-17 38.331 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2306034](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306034.zip) NB-IoT UE location Info in RLF report Qualcomm Incorporated discussion Rel-17

[R2-2306035](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306035.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Inc. CR Rel-17 38.331 17.4.0 4124 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2306394](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306394.zip) Correction on SCG failure scenario of MHI in TS 38.331 CATT CR Rel-17 38.331 17.4.0 4148 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.6.2 MDT Corrections

[R2-2304635](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304635.zip) LS on Excess Packet Delay Threshold for MDT (S5-232150; contact: Nokia) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:RAN2

[R2-2304655](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304655.zip) Reply LS on the user consent for trace reporting (S3-231398; contact: Huawei) SA3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:RAN2, SA5, SA1, RAN

[R2-2306097](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306097.zip) Discussion on the UL PDCP packet average delay measurement of split bearer Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2306098](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306098.zip) Stage-2 correction on the UL PDCP packet average delay Huawei, HiSilicon CR Rel-17 37.320 17.3.0 0126 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2306474](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306474.zip) Report of new packet loss rate China Unicom report Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2306475](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306475.zip) 38.314 CR for the introduction of packet loss rate with delay threshold China Unicom, CATT CR Rel-17 38.314 17.2.0 0028 - B NR\_ENDC\_SON\_MDT\_enh-Core

## 6.7 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: RP-202846)

Tdoc Limitation: 3 tdocs

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.).

### 6.7.0 In-principle agreed CRs

[R2-2304760](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304760.zip) Correction on the usage of default CBR values for NR sidelink OPPO, Xiaomi, CATT CR Rel-17 38.321 17.4.0 1611 1 F NR\_SL\_enh-Core R2-2304229

[R2-2304843](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304843.zip) Miscellaneous corrections on 38.331 for SL enhancements Huawei, HiSilicon (Rapporteur), Xiaomi CR Rel-17 38.331 17.4.0 4069 1 F NR\_SL\_enh-Core R2-2304235

[R2-2306177](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306177.zip) Corrections on MAC reset regarding configured sidelink grant ASUSTeK, Huawei, HiSilicon, Samsung, vivo CR Rel-17 38.321 17.4.0 1605 3 F NR\_SL\_enh-Core R2-2304237

### 6.7.1 General and Stage 2 corrections

[R2-2304844](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304844.zip) Corrections on TS 38.300 for SL enhancements Huawei, HiSilicon CR Rel-17 38.300 17.4.0 0669 - F NR\_SL\_enh-Core

[R2-2304846](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304846.zip) Corrections on TS 38.304 for SL enhancements Huawei, HiSilicon CR Rel-17 38.304 17.4.0 0338 - F NR\_SL\_enh-Core

[R2-2305058](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305058.zip) Miscellaneous corrections for Stage 2 NR sidelink relay Apple CR Rel-17 38.300 17.4.0 0656 1 F NR\_SL\_relay-Core R2-2303384

[R2-2305111](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305111.zip) Correction to 38300 on IUC Ericsson, Apple CR Rel-17 38.300 17.4.0 0649 1 F NR\_SL\_enh-Core R2-2302839

[R2-2305112](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305112.zip) Correction to 38300 on IUC cast type Ericsson CR Rel-17 38.300 17.4.0 0650 1 F NR\_SL\_enh-Core R2-2302840

[R2-2305225](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305225.zip) Miscellaneous corrections on TS 38.300 for NR sidelink Xiaomi CR Rel-17 38.300 17.4.0 0673 - F NR\_SL\_enh-Core

### 6.7.2 Control plane corrections

[R2-2304940](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304940.zip) Corrections on TS 38.304 for NR SL enhancement vivo CR Rel-17 38.304 17.4.0 0339 - F NR\_SL\_enh-Core, NR\_SL\_relay-Core

[R2-2305059](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305059.zip) Correction on field description of sl-DestinationIdentityL2U2N Apple CR Rel-17 38.331 17.4.0 4086 - F NR\_SL\_relay-Core

[R2-2305060](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305060.zip) Corrections on triggering conditons of SUI message for SL relay Apple CR Rel-17 38.331 17.4.0 4087 - F NR\_SL\_relay-Core

[R2-2305276](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305276.zip) Consideration on the time length for DRX timers CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2305277](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305277.zip) Correction on the time length for DRX timers CATT CR Rel-17 38.331 17.4.0 4098 - F NR\_SL\_enh-Core

[R2-2306118](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306118.zip) Discussion on deriving timer length for DRX timers ASUSTeK, vivo, ZTE Corporation, Sanechips discussion Rel-17 38.331 NR\_SL\_enh-Core

[R2-2306119](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306119.zip) Corrections on deriving timer length for DRX timers (option 1a) ASUSTeK, ZTE Corporation, Sanechips CR Rel-17 38.331 17.4.0 4136 - F NR\_SL\_enh-Core

[R2-2306257](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306257.zip) Corrections on deriving timer length for DRX timers by relying on DCI format 3\_0 (option 1b) vivo CR Rel-17 38.331 17.4.0 4143 - F NR\_SL\_enh-Core

### 6.7.3 User plane corrections

[R2-2304845](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304845.zip) Correction on 38.321 for SL enhancements Huawei, HiSilicon CR Rel-17 38.321 17.4.0 1615 - F NR\_SL\_enh-Core

[R2-2304995](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304995.zip) Summary on user plane corrections for NR SL enhancements LG Electronics Inc. discussion NR\_SL\_enh-Core Late

[R2-2305224](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305224.zip) Discussion on the usage of default CBR values for exceptional pool Xiaomi discussion

[R2-2305226](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305226.zip) Miscellaneous corrections on TS 38.321 for NR sidelink Xiaomi CR Rel-17 38.321 17.4.0 1618 - F NR\_SL\_enh-Core

[R2-2305278](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305278.zip) Correction on resource (re-)selection for NR sidelink CATT CR Rel-17 38.321 17.4.0 1619 - F NR\_SL\_enh-Core

[R2-2306311](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306311.zip) MAC PDU filtering Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.4.0 1627 - F NR\_SL\_enh-Core

# 7 Rel-18

## 7.1 NR network-controlled repeaters

(NR\_NetConRepeater; leading WG: RAN1; REL-18; WID: RP-230175)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 7.1.1 Organizational

Including LSs and any rapporteur inputs.

[R2-2305400](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305400.zip) RRC running CR for R18 NCR ZTE Corporation draftCR Rel-18 38.331 17.4.0 B NR\_netcon\_repeater R2-2304425

[R2-2305795](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305795.zip) Introducing support for Network Controlled Repeaters to 38.321 Samsung CR Rel-18 38.321 17.4.0 1554 3 B NR\_netcon\_repeater-Core R2-2304415

[R2-2305951](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305951.zip) UE capabilities for NCR Intel Corporation CR Rel-18 38.306 17.4.0 0922 - B NR\_netcon\_repeater

[R2-2305952](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305952.zip) UE capabilities for NCR Intel Corporation CR Rel-18 38.331 17.4.0 4122 - B NR\_netcon\_repeater

[R2-2306235](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306235.zip) 38.304 running CR for R18 NCR CATT draftCR Rel-18 38.304 17.4.0 B NR\_netcon\_repeater

[R2-2306434](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306434.zip) 38.300 Running CR for NCR Ericsson draftCR Rel-18 38.300 17.4.0 B NR\_netcon\_repeater

### 7.1.2 Signalling for side control information

Signalling and procedures for for side control information, based on RAN1 agreements.

[R2-2304962](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304962.zip) Discussion on UL backhaul link beam indication Fujitsu discussion Rel-18 NR\_netcon\_repeater

[R2-2305402](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305402.zip) Remaining issue for side control information ZTE Corporation, Sanechips discussion Rel-18 NR\_netcon\_repeater

[R2-2306181](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306181.zip) On MAC CE for Joint TCI State Indication vivo discussion Rel-18

### 7.1.3 Other RAN2 aspects

Other RAN2 aspects, including: SI impacts, RRC states, RRM, capabilities and others not covered by 8.1.2.

[R2-2304824](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304824.zip) Discussion on the remaining CP issues for NCR Huawei, HiSilicon discussion Rel-18 NR\_netcon\_repeater

[R2-2304825](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304825.zip) Discussion on NCR-MT capability Huawei, HiSilicon discussion Rel-18 NR\_netcon\_repeater

[R2-2305051](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305051.zip) NCR access link beam update capability Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_netcon\_repeater

[R2-2305052](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305052.zip) NCR remaining RRM issues Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_netcon\_repeater

[R2-2305061](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305061.zip) Discussion on remaining issues for NCR Apple discussion Rel-18 DUMMY

[R2-2305157](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305157.zip) TPs to 38304 and 3833 on NCR operation Qualcomm Inc. discussion Rel-18 NR\_netcon\_repeater Withdrawn

[R2-2305356](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305356.zip) Discussion on NCR remaining open issues NEC discussion Rel-18 NR\_netcon\_repeater

[R2-2305401](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305401.zip) Discussion on NCR open issues ZTE Corporation, Sanechips discussion Rel-18 NR\_netcon\_repeater

[R2-2305501](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305501.zip) Discussion on NCR remaining open issues Intel Corporation discussion Rel-18 NR\_netcon\_repeater

[R2-2305694](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305694.zip) Discussion on RRC states for NCR-MT Lenovo discussion Rel-18

[R2-2306029](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306029.zip) Discussion on NCR operation (TPs to 38304 and 38331) Qualcomm Inc. discussion Rel-18 NR\_netcon\_repeater, NR\_netcon\_repeater-Core

[R2-2306050](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306050.zip) Discussion on wake-up timer solution Fujitsu discussion Rel-18 NR\_netcon\_repeater

[R2-2306139](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306139.zip) Considerations on short term link failure on NCR backhaul link Samsung R&D Institute UK discussion

[R2-2306151](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306151.zip) Remaining issues on NCR Kyocera discussion Rel-18

[R2-2306182](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306182.zip) Discussion on Support of RRC\_IDLE vivo discussion Rel-18

[R2-2306340](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306340.zip) Consideration on remaining issues for NCR China Telecom Corporation Ltd. discussion

[R2-2306435](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306435.zip) Remaining issues for NCR Ericsson discussion Rel-18 NR\_netcon\_repeater

[R2-2306436](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306436.zip) Discussion on transitioning from IDLE to CONNECTED Ericsson discussion Rel-18 NR\_netcon\_repeater

[R2-2306487](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306487.zip) Further considerations on NCR procedures Samsung Suzhou discussion Rel-18 NR\_netcon\_repeater

R2-2306560 [Pre122][701][NCR] Summary of AI 7.1.2 on signalling for SCI Fujitsu Limited discussion Rel-18 NR\_netcon\_repeater

### 7.1.4 Repeater management

RAN2 aspects of repeater management (if any).

Note: this AI is assumed to be handled in RAN3, no contributions are expected in RAN2.

## 7.2 Expanded and improved NR positioning

(NR\_pos\_enh2; leading WG: RAN1; REL-18; WID: RP-223549)

Time budget: 2 TU

Tdoc Limitation: 4 tdocs

### 7.2.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2304614](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304614.zip) Reply LS to RAN2 on error source distributions (R1-2304147; contact: InterDigital) RAN1 LS in Rel-18 NR\_pos\_enh2 To:RAN2

[R2-2304615](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304615.zip) Reply LS on RAN dependency for Ranging & Sidelink Positioning (R1-2304152; contact: Xiaomi) RAN1 LS in Rel-18 NR\_pos\_enh2 To:RAN2 Cc:SA2

[R2-2304647](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304647.zip) LS on support of multiple Target UEs (S2-2303837; contact: Qualcomm) SA2 LS in Rel-18 Ranging\_SL To:RAN2 Cc:RAN1

[R2-2304650](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304650.zip) Reply LS to Reply LS to LS on SL positioning groupcast and broadcast (S2-2305726; contact: Xiaomi) SA2 LS in Rel-18 Ranging\_SL To:SA3 Cc:RAN2

[R2-2304651](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304651.zip) Reply LS to LS to SA2 on Sidelink positioning procedure (S2-2305735; contact: Xiaomi) SA2 LS in Rel-18 Ranging\_SL To:RAN2, RAN1 Cc:SA3

[R2-2304657](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304657.zip) Reply LS on LPP message and supplementary service event report over a user plane connection between UE and LMF and LS on UE event reporting over a user plane connection to LCS client or AF (S3-232232; contact: Ericsson) SA3 LS in Rel-18 5G\_eLCS\_Ph3 To:SA2, RAN2, CT1, CT3, CT4

[R2-2304769](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304769.zip) LPP running CR for RAT-dependent integrity CATT draftCR Rel-18 37.355 17.4.0 B NR\_pos\_enh2

[R2-2305438](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305438.zip) Further considerations on SLPP specification Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2305439](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305439.zip) TS 38.355 v0.0.3 Intel Corporation draft TS Rel-18 38.355 0.0.3 NR\_pos\_enh2

[R2-2305729](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305729.zip) Draft Reply LS to SA2 on Sidelink positioning procedure Xiaomi LS out Rel-18 To:RAN1

[R2-2305896](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305896.zip) Running Stage 2 CR for 'Expanded and improved NR positioning' Qualcomm Incorporated draftCR Rel-18 38.305 17.4.0 B NR\_pos\_enh2-Core

[R2-2306024](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306024.zip) On the Positioning Reference Units aspects Ericsson discussion Rel-18

[R2-2306253](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306253.zip) Work Plan on Rel-18 Positioning Work Item CATT, Intel Corporation, Ericsson Work Plan Rel-18

[R2-2306387](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306387.zip) Support of Multiple Target UEs for Sidelink Positioning (draft response LS to R2-2302448 (S2-2303837)) Qualcomm Incorporated discussion

### 7.2.2 Sidelink positioning

Positioning architecture and signalling procedures (e.g. configuration, measurement reporting, etc) to enable sidelink positioning. Including measurements to enable RTT-based positioning, SL-AoA, and SL-TDOA; signalling and associated UE behaviour for support of unicast, groupcast (not including many-to-one) and broadcast of SL-PRS transmissions; reporting signalling and procedures to facilitate support of SL positioning in all coverage scenarios and for PC5-only and joint PC5-Uu scenarios; and signalling to NG-RAN for SL positioning and service authorization as needed.

[R2-2304716](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304716.zip) Discussion of signalling procedures Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2304717](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304717.zip) Session-less SL positioning and groupcast / broadcast messaging Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2304770](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304770.zip) Discussion on sidelink positioning CATT discussion Rel-18 NR\_pos\_enh2

[R2-2304801](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304801.zip) Discussion on Sidelink Positioning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2304949](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304949.zip) UE Positioning using Sidelink Fraunhofer IIS, Fraunhofer HHI discussion R2-2302588

[R2-2305066](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305066.zip) SL PRS configuration Apple discussion Rel-18 NR\_pos\_enh2

[R2-2305067](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305067.zip) SL positioning groupcast and broadcast Apple discussion Rel-18 NR\_pos\_enh2

[R2-2305068](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305068.zip) [DARFT] Reply LS on SL positioning groupcast and broadcast Apple LS out Rel-18 NR\_pos\_enh2 To:SA3 Cc:SA2

[R2-2305137](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305137.zip) Further discussion on SLPP and session-based SL positioning Lenovo discussion Rel-18 NR\_pos\_enh2

[R2-2305331](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305331.zip) Discussion on sidelink positioning vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305343](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305343.zip) Further discussion on sidelink positioning OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2305344](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305344.zip) Further discussion on anchor UE reselection for sidelink positioning OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2305392](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305392.zip) On SL Positioning Architecture Aspects Lenovo discussion Rel-18

[R2-2305440](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305440.zip) Further considerations on sidelink positioning Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2305509](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305509.zip) Considerations on sidelink positioning resources Sony discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305562](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305562.zip) Discussion on sidelink positioning Spreadtrum Communications discussion Rel-18

[R2-2305636](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305636.zip) Considerations on Sidelink positioning CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2305730](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305730.zip) Draft Reply LS to SA3 on SL positioning groupcast and broadcast Xiaomi LS out Rel-18 To:RAN1

[R2-2305731](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305731.zip) Discussion on SL positioning Xiaomi discussion Rel-18

[R2-2305768](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305768.zip) Discussion on Sidelink positioning InterDigital Inc. discussion Rel-18 NR\_pos\_enh2

[R2-2305867](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305867.zip) LMF roles and protocols for sidelink positioning MediaTek Inc. discussion NR\_pos\_enh2-Core

[R2-2306020](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306020.zip) Sidelink positioning Ericsson discussion Rel-18

[R2-2306078](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306078.zip) Discussion on sidelink positioning ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2306145](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306145.zip) SLPP design for session aspects Samsung R&D Institute UK discussion

[R2-2306334](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306334.zip) SLPP session management and operation LG Electronics Inc. discussion Rel-18

[R2-2306335](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306335.zip) SLPP reliable transport functionality LG Electronics Inc. discussion Rel-18

[R2-2306336](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306336.zip) Sidelink positioning parameters for Anchor UE selection LG Electronics Inc. discussion Rel-18

[R2-2306373](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306373.zip) Discussion on Sidelink positioning parameters in discovery signalling Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2306422](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306422.zip) Sidelink Positioning Protocol (SLPP) Signaling and Procedures Qualcomm Incorporated discussion

[R2-2306446](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306446.zip) Further discussion on SL positioning procedures and signaling protocols for SL positioning CEWiT discussion

[R2-2306457](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306457.zip) On the support of SL positioning server functionality Philips International B.V. discussion NR\_pos\_enh2 R2-2304182

[R2-2306515](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306515.zip) On the selection of Anchor UEs for Sidelink Positioning Philips International B.V. discussion NR\_pos\_enh2 R2-2303753

[R2-2306757](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306757.zip) [Pre122][401][POS] Summary of AI 7.2.2 on sidelink positioning Xiaomi discussion Rel-18 NR\_pos\_enh2-Core

### 7.2.3 RAT-dependent integrity

Error modelling parameters, signalling, and procedures to support UE-based and LMF-based integrity of RAT-dependent positioning methods.

[R2-2304771](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304771.zip) Discussion on RAT-dependent Integrity CATT discussion Rel-18 NR\_pos\_enh2

[R2-2304800](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304800.zip) Discussion on RAT-dependent Integrity Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2305332](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305332.zip) Signaling design of UE-based RAT-dependent integrity vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305341](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305341.zip) Consideration on RAT-dependent positioning integrity OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2305441](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305441.zip) Further considerations on RAT dependent integrity Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2305563](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305563.zip) Discussion on RAT-dependent integrity Spreadtrum Communications discussion Rel-18

[R2-2305624](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305624.zip) Discussion on the RAT-dependent integrity issues CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2305642](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305642.zip) Discussion on RAT dependent integrity InterDigital, Inc. discussion Rel-18

[R2-2305668](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305668.zip) Discussion on RAT-dependent positioning integrity Xiaomi discussion

[R2-2305709](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305709.zip) Discussion on RAT-dependent integrity Lenovo discussion Rel-18

[R2-2305823](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305823.zip) Integrity of NR Positioning Technologies Qualcomm Incorporated discussion

[R2-2306022](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306022.zip) RAT Dependent positioning Integrity Ericsson discussion Rel-18

[R2-2306076](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306076.zip) Discussion on RAT-dependent methods positioning integrity ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2306255](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306255.zip) LMF-based Integrity Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core

### 7.2.4 LPHAP

Enhancements for enabling LPHAP use case 6 (TS 22.104), including extending eDRX cycle (coordinated with RedCap WI); SRS configuration enhancements based on validity area for UEs in RRC\_INACTIVE; DL-PRS measurements in RRC\_IDLE and reporting in RRC\_CONNECTED; and alignment between eDRX and PRS configurations.

[R2-2304772](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304772.zip) Discussion on LPHAP CATT discussion Rel-18 NR\_pos\_enh2

[R2-2304799](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304799.zip) Discussion on LPHAP Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2304887](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304887.zip) PRS and DRX configuration alignment Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core R2-2304059

[R2-2304950](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304950.zip) Enhancements for supporting LPHAP Fraunhofer IIS, Fraunhofer HHI discussion R2-2302589

[R2-2305069](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305069.zip) Alignment between DRX and PRS Apple discussion Rel-18 NR\_pos\_enh2

[R2-2305333](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305333.zip) Discussion on solution of LPHAP vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305342](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305342.zip) Discussion on LPHAP OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2305442](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305442.zip) Further considerations on LPHAP Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2305510](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305510.zip) Considerations on Low Power High Accuracy Positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305564](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305564.zip) Discussion on LPHAP Spreadtrum Communications discussion Rel-18

[R2-2305637](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305637.zip) Considerations on LPHAP CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2305644](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305644.zip) Discussion on LPHAP InterDigital, Inc. discussion Rel-18

[R2-2305669](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305669.zip) Discussion on LPHA positioning Xiaomi discussion

[R2-2305710](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305710.zip) Discussion on low power high accuracy positioning Lenovo discussion Rel-18

[R2-2305822](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305822.zip) Enhancements for LPHAP Qualcomm Incorporated discussion

[R2-2306021](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306021.zip) Discussion on Low Power High Accuracy Positioning Ericsson discussion Rel-18

[R2-2306075](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306075.zip) Discussion on LPHAP ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2306447](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306447.zip) Discussion on SRS configuration in RRC\_INACTIVE Samsung discussion Rel-18 FS\_NR\_pos\_enh2

R2-2306540 Summary of AI 7.2.4: LPHAP Qualcomm Incorporated discussion Rel-18 NR\_pos\_enh2-Core

### 7.2.5 RedCap positioning, carrier phase positioning, and bandwidth aggregation for positioning

RAN1 led objectives that may require progress in RAN1 before RAN2 can take decisions. This agenda item will be treated at lower priority.

[R2-2304773](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304773.zip) Discussion on carrier phase positioning, bandwidth aggregation for positioning and Redcap positioning CATT discussion Rel-18 NR\_pos\_enh2

[R2-2305315](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305315.zip) Discussion on RAN1 led positioning topics Huawei, HiSilicon discussion Rel-18

[R2-2305334](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305334.zip) on-demand PRS for PRS bandwidth aggregation vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2305443](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305443.zip) Considerations on other RAN1 led items Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2305625](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305625.zip) Discussion on the RedCap UE positioning CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2305645](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305645.zip) Discussion on positioning for RedCap positioning, carrier phase positioning, and bandwidth aggregation for positioning InterDigital, Inc. discussion Rel-18

[R2-2305670](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305670.zip) Discussion on RedCap UE positioning Xiaomi discussion

[R2-2306023](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306023.zip) RedCap positioning, carrier phase positioning, and bandwidth aggregation for positioning Ericsson discussion Rel-18

[R2-2306077](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306077.zip) Discussion on BW aggregation and RedCap positioning ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2306448](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306448.zip) Discussion on bandwidth aggregation Samsung discussion Rel-18 FS\_NR\_pos\_enh2

## 7.3 Network energy savings for NR

(Netw\_Energy\_NR -Core; leading WG: RAN1; REL-18; WID: RP-223540)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 7.3.1 Organizational

LS, workplan, email discussion etc

[R2-2304627](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304627.zip) LS on the enhancements to restricting paging in a limited area (R3-232084; contact: Nokia) RAN3 LS in Rel-18 Netw\_Energy\_NR-Core To:RAN2, SA2

[R2-2306067](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306067.zip) Work plan for NR network energy savings Huawei, HiSilicon Work Plan Rel-18 Netw\_Energy\_NR

### 7.3.2 DTX/DRX mechanism

[R2-2304692](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304692.zip) Discussion on Cell DTX/DRX configuration and operation Xiaomi discussion Rel-18

[R2-2305013](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305013.zip) Remaining issues for Cell DTX\_DRX Samsung Electronics Co., Ltd discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305081](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305081.zip) Support high priority traffic in Cell DTX / DRX Apple, InterDigital, T-Mobile USA, MediaTek Inc., Intel discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305082](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305082.zip) Discussion on key open issues of Cell DTX / DRX Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305120](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305120.zip) Cell DTX-DRX Mechanism Qualcomm Incorporated discussion Rel-18

[R2-2305205](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305205.zip) Discussion on Cell DTX/DRX Fujitsu discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305321](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305321.zip) Further discussion on cell DTX and DRX ZTE corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305335](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305335.zip) Discussion on cell DTX-DRX mechanism vivo discussion Rel-18

[R2-2305389](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305389.zip) Discussion on cell DTX and DRX Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305435](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305435.zip) Emergency calls, Voice, Scheduling Requests and RACH Vodafone discussion Rel-18

[R2-2305529](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305529.zip) Discussion on DTX/DRX mechanism OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2305628](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305628.zip) Discussion on cell DTX/DRX CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305651](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305651.zip) Remaining issues on DTX/DRX Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305840](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305840.zip) Further aspects on cell DTX/DRX Ericsson discussion

[R2-2305853](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305853.zip) DL considerations for cell DTX/DRX NEC Telecom MODUS Ltd. discussion

[R2-2305855](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305855.zip) UL considerations for Cell DTX/DRX NEC Telecom MODUS Ltd. discussion

[R2-2305870](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305870.zip) Alignment between Cell DTX/DRX and C-DRX CATT, Turkcell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2305925](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305925.zip) Cell DTX/DRX mechanism InterDigital discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305941](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305941.zip) Various alignment aspects Lenovo discussion Netw\_Energy\_NR-Core

[R2-2305975](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305975.zip) Remaining issues for Cell DTX/DRX ETRI discussion R2-2303827

[R2-2306044](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306044.zip) Discussion on DTX/DRX mechanism LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2306074](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306074.zip) Considerations on Cell DTX/DRX KDDI Corporation discussion

[R2-2306222](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306222.zip) Cell DTX/DRX NES Techniques III discussion

[R2-2306330](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306330.zip) Discussion on SR transmission during the Cell DRX non-active period NTT DOCOMO INC. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2306403](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306403.zip) Discussion on cell DTX/DRX mechanisms - configuration and behaviour BT plc, KDDI discussion Rel-18

[R2-2306407](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306407.zip) Cell DTX and DRX Enhancements Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

[R2-2306500](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306500.zip) Reminding issues on stage 2 of the Cell DTX/DRX MediaTek Inc. discussion Rel-18 Netw\_Energy\_NR-Core

### 7.3.3 SSB-less Scell operation

Contributions on inter-band CA for FR1 and co-located cells

[R2-2304694](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304694.zip) Discussion on inter-band SSB-less Scell Xiaomi discussion Rel-18

[R2-2304862](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304862.zip) Enhancements of SBB/SIB-less NES solutions Dell Technologies discussion Rel-18

[R2-2305083](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305083.zip) Discussion on RAN2 work of inter-band SSB-less CA Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305250](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305250.zip) Discussion on SSB/SIB-less Solutions for NES Samsung discussion Rel-18

[R2-2305320](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305320.zip) Discussion on SSB-less SCell operation for NES ZTE corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305336](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305336.zip) RAN2 impact on supporting inter-band SSB-less Scell operation vivo discussion Rel-18

[R2-2305721](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305721.zip) Discuss on SSB-less SCell operation in NES Lenovo discussion Rel-18

[R2-2305775](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305775.zip) Discussion on SSB-less SCell operation CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305841](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305841.zip) SSB-less Scell operation on inter-band CA for FR1 Ericsson discussion

[R2-2305907](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305907.zip) On NES SSB-less SCell operation Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305928](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305928.zip) SSB-less Scell operation InterDigital discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2306068](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306068.zip) Discussion on SSB-less SCell operation Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

### 7.3.4 Cell selection/re-selection

Contributions mechanisms to prevent legacy UEs camping on cells adopting the Rel-18 NES mode

[R2-2304691](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304691.zip) Discussion on UE access control in NES cell Xiaomi discussion Rel-18

[R2-2305121](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305121.zip) Barring legacy UEs for NES Cells Qualcomm Incorporated, T-Mobile US discussion Rel-18

[R2-2305251](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305251.zip) Discussion on Cell Selection and Reselection for NES Samsung discussion Rel-18

[R2-2305323](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305323.zip) Consideration on preventing legacy UEs camping on NES cell ZTE corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305337](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305337.zip) Discussion on cell selection/re-selection vivo discussion Rel-18

[R2-2305390](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305390.zip) Discussion on cell selection/reselection for NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305455](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305455.zip) Definition of NES and barring on cell DTX/DRX cells Vodafone discussion Rel-18

[R2-2305530](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305530.zip) Discussion on cell selection reselection OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2305718](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305718.zip) Cell selection/re-selection in NES Lenovo discussion Rel-18

[R2-2305776](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305776.zip) Discussion on cell barring and reselection for NES CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305842](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305842.zip) NES Cell selection/reselection Ericsson discussion

[R2-2305858](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305858.zip) Procedure for legacy UEs camping on NES cells NEC Telecom MODUS Ltd. discussion [R2-2301522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2301522.zip)

[R2-2305871](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305871.zip) Consideration on Cell Selection/Re-selection on NES cells CATT, Turkcell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2305892](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305892.zip) Cell Reselection Enhancements Supporting NES Google Inc. discussion

[R2-2305926](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305926.zip) Cell selection and resection for NES InterDigital discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305974](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305974.zip) Legacy UE Handling for NES ETRI discussion [R2-2301463](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2301463.zip)

[R2-2306059](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306059.zip) Considerations on Cell selection/re-selection KDDI Corporation discussion

[R2-2306276](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306276.zip) Access control enhancement for NES LG Electronics France discussion Netw\_Energy\_NR-Core

=> Revised in R2-2306538

R2-2306538 Access control enhancement for NES LG Electronics France discussion Netw\_Energy\_NR-Core

[R2-2306329](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306329.zip) Discussion on Cell selection NTT DOCOMO INC. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2306361](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306361.zip) Reselection and Paging handling for NES Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2306406](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306406.zip) Identify NES capable UEs by network BT plc discussion Rel-18

[R2-2306410](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306410.zip) Cell Selection and Re-Selection for NES Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

### 7.3.5 Connected mode mobility

Contributions on CHO procedure enhancement(s) in case source/target cell is in NES mode

[R2-2304693](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304693.zip) Discussion on UE mobility due to NES cell Xiaomi discussion Rel-18

[R2-2305084](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305084.zip) Discussion on CHO enhancement in NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305122](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305122.zip) NES Connected mode mobility Qualcomm Incorporated discussion Rel-18

[R2-2305206](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305206.zip) Discussion on Connected mode mobility for network energy savings Fujitsu discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305252](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305252.zip) Discussion on Connected mode mobility for NES Samsung discussion Rel-18

[R2-2305322](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305322.zip) Further discussion on connected mode mobility ZTE corporation, Sanechips discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305338](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305338.zip) Conditional handover enhancement for network energy saving vivo discussion Rel-18

[R2-2305461](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305461.zip) Triggering conditions and other aspects of the Handover to/from DTX/DRX cells Vodafone GmbH discussion Rel-18

[R2-2305511](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305511.zip) Handover enhancement for NES Sony discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2305531](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305531.zip) Discussion on connected mode mobility OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2305629](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305629.zip) Discussion on Connected mode mobility CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305860](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305860.zip) CHO for NES Ericsson discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305864](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305864.zip) CHO procedure enhancement to support NES mode NEC Telecom MODUS Ltd. discussion

[R2-2305872](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305872.zip) CHO enhancement for NES CATT, Turkcell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2305890](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305890.zip) CHO Enhancements Supporting NES Google Inc. discussion

[R2-2305927](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305927.zip) NES mobility aspects InterDigital discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2305942](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305942.zip) CHO Procedure in NES Mode Lenovo discussion Netw\_Energy\_NR-Core

[R2-2306052](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306052.zip) Discussion on CHO enhancements for NES Sharp discussion

[R2-2306069](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306069.zip) Discussion on CHO enhancement for NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

[R2-2306240](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306240.zip) Mobility enhancement: mobility triggering by light handover command LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2306362](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306362.zip) CHO on NES Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

### 7.3.6 Others

This will be downprioritized

[R2-2305123](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305123.zip) Discussion of RAN3 LS on Restricting Paging Qualcomm Incorporated discussion Rel-18

[R2-2305512](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305512.zip) Skip monitoring of CSI-RS during non-active periods Sony discussion Rel-18 FS\_Netw\_Energy\_NR

## 7.4 Further NR mobility enhancements

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

Time budget: 2 TU

Tdoc Limitation: 6 tdocs .

Chair: NOTE tdocs are being further re-organized / re-ordered.

### 7.4.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan, running CRs update).

Please follow WI Rapporteur plan for providing Running CRs.

LS in

[R2-2304620](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304620.zip) LS on beam indication of target cell(s) and time gap between a PDCCH order and the corresponding PRACH transmission for LTM (R1-2304276; contact: Fujitsu, MediaTek, CATT) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2, RAN3, RAN4

* noted

[R2-2304629](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304629.zip) Reply LS on L1 measurement RS configuration and PDCCH ordered RACH for LTM (R3-232139; contact: Fujitsu, CATT) RAN3 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN1, RAN2

* noted

CRs

Chair: assume we will have running CR updates after the meeting, not clear which ones can be endorsed (maybe 38300)

37340, 38300

[R2-2304784](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304784.zip) 37.340 running CR for introduction of NR further mobility enhancements ZTE Corporation, Sanechips draftCR Rel-18 37.340 17.4.0 B NR\_Mob\_enh2-Core

- Chair think it would be good to progress this one, however RAN2 cannot make flow charts complete without RAN3.

- Medium email disc, reflect agreements, endorse if possible.

[R2-2305303](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305303.zip) 38.300 running CR for introduction of NR further mobility enhancements MediaTek Inc., vivo draftCR Rel-17 38.300 17.4.0 NR\_Mob\_enh2-Core

- Nokia point out that there are lots of changes-on-changes, need to be fixed.

- Medium email disc, reflect agreements, endorse if possible.

38321

[R2-2305539](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305539.zip) 38.321 running CR for introduction of NR further mobility enhancements Huawei, HiSilicon draftCR Rel-18 38.321 17.4.0 NR\_Mob\_enh2-Core

- Medium email disc, reflect agreements, endorse if possible

- MTK propose long discussion on Contents of cell switch MAC CE

LTM 38331

[R2-2306014](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306014.zip) RRC open issues list for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306015](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306015.zip) RRC running CR for LTM Ericsson draftCR Rel-18 38.331 17.4.0 B NR\_Mob\_enh2-Core

- Ericsson suggest to discuss the open issues when discussing the running CR after the meeting, can invite for contributions for the complex issues.

- Proposes to have a long email discussion attempting to resolve open issues, with the objectives to reflect agreements, review the CR, address open issues, determine points for R2#123 discussion

- Ericsson point out that at some point the CRs would be merged to a single WI CR, would like to not wati to last meeting. Chair think that we may do RRC review in the style of ASN.1 review separately for this WI at some point.

Selective Activation SCG 38331

[R2-2305296](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305296.zip) RRC running CR for selective activation of SCGs for NR-DC OPPO draftCR Rel-18 38.331 17.4.0 B NR\_Mob\_enh2-Core

- With with reference configuration ..

- long email discussion, attempt to converge on a 1st baseline CR, identify open issues etc

CHO w candidate SCG 38331

[R2-2304928](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304928.zip) 38\_331\_Running CR for CHO including target MCG and candidate SCGs CATT draftCR Rel-18 38.331 17.4.0 B NR\_Mob\_enh2-Core

- long email discussion, attempt to converge on a 1st baseline CR, identify open issues etc

* [Post122][052][Mob18] 37.340 Running CR (ZTE)

Scope: Reflect agreements, Capture identified open issues (e.g. in Editors Notes). Endorse if possible (as baseline)

Intended Outcome: Running CR, Endorsed if possible.

Deadline: Medium

* [Post122][053][Mob18] 38.300 Running CR (MediaTek)

Scope: Reflect agreements, Capture identified open issues (e.g. in Editors Notes). Endorse if possible (as baseline).

Intended Outcome: Running CR, Endorsed.

Deadline: Medium

* [Post122][054][Mob18] 38.321 Running CR (Huawei)

Scope: Reflect agreements, attempt to converge on a 1st baseline CR, Capture identified open issues (e.g. in Editors Notes). Endorse if possible (as baseline)

Intended Outcome: Running CR, Endorsed if possible.

Deadline: Medium

* [Post122][055][Mob18] 38.331 Running CR and Open issues (Ericsson)

Scope: Reflect agreements, review the CR, address open issues, Capture newly identified open issues, determine points for R2#123 discussion.

Intended Outcome: Running CR, Report.

Deadline: Long

* [Post122][056][Mob18] 38.331 Running CR for selective activation of SCGs for NR-DC (OPPO)

Scope: Reflect agreements, attempt to converge on a 1st baseline CR. Capture identified open issues (e.g. in Editors Notes).

Intended Outcome: Running CR, Report if applicable.

Deadline: Long

* [Post122][057][Mob18] 38.331 Running CR for CHO including target MCG and candidate SCGs (CATT)

Scope: Reflect agreements, attempt to converge on a 1st baseline CR. Capture identified open issues (e.g. in Editors Notes).

Intended Outcome: Running CR, Report if applicable.

Deadline: Long

* [Post122][058][Mob18] Contents of Cell Switch MAC CE (Huawei)

Scope: Starting from proposals to R2 122 viewed in the light of agreements taken so far. Determine potentially agreeable points and points for discussion at R2 123 (open points)

Intended Outcome: Report

Deadline: Long

### 7.4.2 L1L2 Triggered Mobility

#### 7.4.2.1 General and Stage-2

Including further preformance enhancements, and potential elaboration on the components of the latency time line, if needed. Including impacts to and expectations of other groups. Including security.

RAN2 aspects of RACH-less LTM and early acquisition of TA. Consolidation of the procedure(s), failure handling. Differences of expectations/procedure/performance for intra/inter-DU, intra/inter-freq.

General

[R2-2305540](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305540.zip) RACH-less LTM and LTM procedure Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

1a 1b

- HW assumes that there is the RRC confirm message to transmit in the UL

- FW wonder if we support both 1a 1b. FW are worried about latency.

- HW explain that the main intention is to align network and UE on beam.

- HW think beam will be indicated in the MAC CE.

- OPPO agrees with 1a and 1b. wonder if 1a if for both type 1 and type 2.

- QC think both can be allowed. Lenovo ok. Nokia ok, but 1a is costly

- Xiaomi think that for re-attempt UE can reselect beam.

- vivo think 1a is wasteful, think common resource should be used. Think CG resource can be indicated dynamically. CATT agrees with vivo.

- MTK think common resource is a good idea but is worried about R1 impact.

- LGE think no optimization is needed.

* Dynamic grant can be used for RACH-less LTM, for the first UL data transmission to the target cell:

- the UE monitors PDCCH for dynamic scheduling from the target cell, upon LTM cell switch.

- upon cell switch decision, R2 assumes that the source DU informs the target DU about the selected beam, so that the target DU can start scheduling dynamic UL grant.

* Configured grant can be used for RACH-less LTM, for the first UL data transmission to the target cell, the UE selects the configured grant occasion, which is associated with the beam indicated in the LTM MAC CE (as set by source cell). FFS further optimization

DISCUSSION Part 2 (resumption later in the week)

P2

- Apple think there will always need to be UE timer.

- Apple think that UE maintains TA to be used after a LTM cell switch.

- MTK think P2 can be supported, can discuss whether RAR is needed at al.

- Xiaomi think UE need a running TA timer to transmit in the UL.

- CATT agrees that the network need to provide TA every time if maintained in the network.

- ZTE want a unified solution.

For early TA acquisition for candidate Cells

* For PDCCH ordered early TA acquisition without RAR, there is no need for UE to maintain the TA timer for candidate cell (i.e. it is NW implementation to determine the TA validity), TA is given in the cell switch MAC CE (when available in the network).
* RAN2 doesn’t see a need for a solution with RAR in for Rel-18.
* Observation: Without RAR (without UE maintaining TA), the UE will need to do RACH for link recovery and/or conditional (if supported), which is acceptable in Rel-18
* The UE determines to trigger RACH-less cell switch in MAC layer, if the LTM cell switch MAC CE provides the TA value (no RAR is assumed).
* We send LS to R1
* [AT122][039][MOB18] LS out on Early TA and RACH-less (Ericsson)

Scope: All related agreements, to R1, R4, R3

CB friday

[R2-2306875](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306875.zip) LS on Early TA and RACH-less Ericsson LS out

* Remove the duplication of the action text (in the previous section). With this change the LS out is approved in R2-2306897

[R2-2306016](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306016.zip) Signalling approaches for LTM cell switch execution Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306479](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306479.zip) Discussion on LTM command MAC CE content and RAN3 LS reply China Unicom discussion NR\_Mob\_enh2-Core

Moved here

[R2-2304909](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304909.zip) Remaining issues on LTM procedures vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304889](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304889.zip) Open Issues for LTM Procedure MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2-Core

Specific on RACH less Early TA

[R2-2304675](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304675.zip) UE identification during RACH less LTM cell switch NEC discussion NR\_Mob\_enh2-Core

[R2-2304687](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304687.zip) Discussion on RACH-less LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304719](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304719.zip) RAN2 Aspects of Early Timing Advance Management for LTM Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304910](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304910.zip) Remaining issues on early TA acquisition vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304963](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304963.zip) TA Acquisition before LTM Serving cell change Rakuten Symphony discussion Rel-18

[R2-2304964](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304964.zip) Prioritizing RACH-less LTM HO Rakuten Symphony discussion Rel-18

[R2-2305104](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305104.zip) RACH-less LTM and TA management Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305292](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305292.zip) Discussion on early TA acquisition and maintenance for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305293](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305293.zip) Open issues for RACH-less LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305368](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305368.zip) Discussion on early TA acquisition for LTM Transsion Holdings discussion Rel-18

[R2-2305459](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305459.zip) Discussion on early TA acquisition for LTM ITRI discussion NR\_Mob\_enh2-Core

[R2-2305575](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305575.zip) Discussion on RACH-less LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305879](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305879.zip) Further details on TA Acquisition and Maintenance in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305944](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305944.zip) Initial Early-TA acquisition Lenovo discussion Netw\_Energy\_NR-Core

[R2-2306011](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306011.zip) Discussion on TA handling aspects for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306281](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306281.zip) Discussion on RACH related issue NTT DOCOMO INC. discussion Rel-18

[R2-2306316](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306316.zip) Discussion on early TA acquisition and partial MAC reset LG Electronics Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306419](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306419.zip) Further Considerations on Early RACH for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306428](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306428.zip) Discussion on TA timer for LTM KDDI Corporation discussion

[R2-2306480](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306480.zip) Discussion on RACH-less LTM and early acquisition of TA China Unicom discussion NR\_Mob\_enh2-Core

Specific on Measurements

[R2-2305640](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305640.zip) Remaining issues related to measurements CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304673](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304673.zip) L1 Measurement to support LTM NEC discussion NR\_Mob\_enh2-Core

[R2-2305165](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305165.zip) LTM Measurement considerations Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

Specific on Failure handling

[R2-2304674](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304674.zip) Failure handling for L1/L2 triggered mobility NEC discussion NR\_Mob\_enh2-Core

[R2-2305101](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305101.zip) LTM cell switch link failure handling Apple discussion Rel-18 NR\_Mob\_enh2-Core R2-2303394

[R2-2305638](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305638.zip) Considerations on failure handling CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306051](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306051.zip) Failure detection and fast recovery Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

Misc

[R2-2304881](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304881.zip) On unified sequential LTM with flexible cell switch triggering and RACH-less Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304951](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304951.zip) General aspects for L1/L2 triggered mobility procedure Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305116](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305116.zip) Discussion on LTM procedures Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305164](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305164.zip) LTM Stage 2 open issues Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305271](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305271.zip) Remaining issues of LTM general LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305316](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305316.zip) On LTM performance, candidate SCell and failure handling aspect CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305365](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305365.zip) Discussion on LTM supervisor timer FGI discussion

[R2-2305639](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305639.zip) Discussions on LTM open issues CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304944](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304944.zip) Delayed Resource Reservation for inter gNB-DU L1/L2 Triggered Mobility Rakuten Symphony discussion Rel-18

Security

[R2-2306226](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306226.zip) Beam handling and security issue on cell switch for LTM Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306405](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306405.zip) Securing LTM Lenovo discussion NR\_Mob\_enh2-Core R2-2303651

[R2-2304966](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304966.zip) Security impacts of intra gNB, inter gNB-CU-UP relocation Rakuten Symphony discussion Rel-18

Data Loss

[R2-2305305](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305305.zip) Data Loss at LTM Cell Switch MediaTek Inc. discussion

DISCUSSION

- Lenovo think that the number of cells is big, think that the CU retransmission is an issue. Has reconsidered and think now HARQ continue is good, and support.

- FW think it is mportant to support fast cell switching and think HARQ continue is important.

- vivo think there are QoS requirements now for real time low loss bearers. Think we need enhancements and HARQ continue.

- ZTE think HARQ continue is difficult, think the network canno be sure to schedule retransmission.

- Chair: everyone seems to assume that if this

- HW: think the issue is there also for L3 mobility, but think HARQ continue is not a good solution, should have a more general solution.

P4

- Dependent on scenario.

- LGE think the root cause is inaccuracy of L1 measurement. Think data loss is not an issue. MTK think L1 accuracy is not the issue, think the issue is in the supported radio scenario.

General

- Chair: there is now significant support for HARQ continue, and there may indeed be issues for some deployments, but still this is very controversial, think there is limited time for final convergence. Suggest to give up this for this release

Can use legacy behaviour:

* P2: RAN2 assumes that network implementation allows speedy data recovery for RLC AM bearer at intra-DU LTM cell switch without specification impact.
* P3: The PDCP data recovery procedure can be applied to the RLC AM bearers for inter-DU LTM cell switch.

After discussion

* Will not support HARQ continue at LTM cell switch in this release.

#### 7.4.2.2 RRC

RRC solutions, e.g. candidate configuration / reference configuration, Measurement Configuration (and other configs used before cell switch). RRC configured L2 reset.

WID: Configuration and maintenance for multiple candidate cells to allow fast application of configurations for candidate cells [RAN2, RAN3].

* [AT122][005][Mob18] LTM L1 measurement aspects (Ericsson)

Scope: Start from meeting input, [R2-2306012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306012.zip) and potentially other tdoc with related proposals. Collect one round of comments and identify easy agreements discussion points etc, to prepare for online treatment, Ph2: LS to RAN3 acc to below

Intended outcome: Report, PH2 aggregable Draft LS

Deadline: CB Wednesday, PH2: CB at opportunity

[R2-2306769](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306769.zip) Summary of [AT122][005][Mob18] LTM L1 measurement aspects Ericsson

DISCUSSION

P6

- Nokia wonder what this mean. What is the intention vs the baseline. Ericsson think this is not clear yet.

- Ericsson think we should reuse the existing reporting.

For L1 measurements for LTM

* The RS configuration is provided to the UE per LTM candidate cell.
* RAN2 assumes that Each candidate DU needs to know the RS configuration of each candidate DUs in order to provide the LTM candidate configuration.
* RAN2 assumes that The CU transmits to each C-DU the RS configuration of S-DU (if this is an LTM candidate cell) and/or other C-DUs, to generate the corresponding L1 configuration for LTM.
* RAN2 assumes C-DU generates the RS configuration and send to the CU. The CU transmits to the Source DU the RS configuration per LTM candidate cell and the associated LTM candidate (when the CU receives LTM candidate configuration(s) from the C-DU). It is up to RAN3 whether the RS configuration is sent before (or at the same time of) the C-DU creates the LTM candidate configuration (and whether is semi-statis or UE associated).
* The RS configuration and/or CSI resource configuration for measuring LTM candidate cells is included in the LTM-Config IE and is a separate configuration, e.g. outside of the LTM candidate configuration.
* CSI reports for LTM candidates (neighbour cell reports for the purpose of LTM cell switch) are configured by the serving cell in an IE that is like CSI-ReportConfig for LTM within the ServingCellConfig since this is the cell in which the report is to be transmitted.
* RAN2 assumes the following about CSI measurement reporting for LTM (final decision up to RAN1):

a. UE reports all measured LTM candidate cells in a single report; or

b. UE reports one or a subset of measured LTM candidate cell(s) in a report.

* RAN2 to send an LS to RAN1 RAN3 RAN4, offline. Can also consider whether we should ask questions, continue in the offline [005]

CB for LS

[R2-2306873](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306873.zip) LS on L1 measurements for LTM Ericsson LS out

* Remove the duplicate action text. With this change LS out is Approved in R2-2306898

[R2-2306012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306012.zip) L1 measurements aspects for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304785](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304785.zip) Discussion on RRC aspects for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304882](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304882.zip) Configuration for measurement and RACH-less in sequential LTM Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304890](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304890.zip) Open Issues for LTM RRC MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304911](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304911.zip) RRC configuration for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304952](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304952.zip) RRC aspects of L1/L2 triggered mobility Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305024](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305024.zip) Remaining issues on L1 measurement configuration for LTM Panasonic discussion

[R2-2305100](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305100.zip) RRC based L2 reset config Apple discussion Rel-18 NR\_Mob\_enh2-Core R2-2303392

[R2-2305103](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305103.zip) On Validation of LTM candidate config Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305117](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305117.zip) RRC Aspects of LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305118](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305118.zip) Race conditions in LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305166](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305166.zip) RRC Open issues for LTM Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305272](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305272.zip) Discussion on L1 measurement configuration LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305294](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305294.zip) Discussion on reference configuration and candidate configuration for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305317](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305317.zip) Discussion on RRC aspects for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305369](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305369.zip) Discussion on measurement configuration for LTM Transsion Holdings discussion Rel-18

[R2-2305537](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305537.zip) Discussion on L1 measurement for LTM ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305559](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305559.zip) Discussion on the remaining issues for LTM Spreadtrum Communications discussion Rel-18

[R2-2305574](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305574.zip) Remaining issues of RRC configured Layer-2 reset Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305594](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305594.zip) Discussion on RRC aspects for LTM Samsung R&D Institute India discussion

[R2-2305648](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305648.zip) Discussion on RAN3 related issues NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305695](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305695.zip) Compliance check for LTM configuration Lenovo discussion Rel-18

[R2-2305880](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305880.zip) On Reference, Delta and Validity Check for LTM Configuration Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305908](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305908.zip) Discussion on RRC Reconfiguration Aspects Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305918](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305918.zip) RRC aspects for LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306010](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306010.zip) Discussion on RRC aspects for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306132](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306132.zip) Discussion on RRC aspects for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306279](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306279.zip) Candidate configuration handling for LTM LG Electronics France discussion NR\_Mob\_enh2-Core

[R2-2306319](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306319.zip) Remaining issues for RRC Configurations of LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306423](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306423.zip) Discussion on LTM reference configuration Google Inc. discussion

#### 7.4.2.3 Cell Switch

Including remaning issues and solutions focused on dynamic cell switch not addressed by the RRC subclause above. Contents of the cell switch command (this will be a focus for current meeting). Discussion can inculde actions and procedure that may be triggered simultaneously, e.g. by other MAC CEs. L2 behaviour details of the cell switch without L2 reset, partial MAC Reset. Other L2 behaviours.

WID: Dynamic switch mechanism from serving cell to candidate cell (including SpCell and SCell) for the potential applicable scenarios based on L1/L2 signalling [RAN2, RAN1]

* [AT122][006][Mob18] Partial MAC reset (vivo)

Scope: Start from meeting input, [R2-2304912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304912.zip) and potentially other tdocs with related proposals. Collect comments and identify easy agreements discussion points etc, to prepare for online treatment

Intended outcome: Report

Deadline: CB Wednesday

[R2-2306775](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306775.zip) Report of [AT122][006][Mob18] Partial MAC reset (vivo) vivo

DISCUSSION

P1

- HW wonder how this work with full MAC reset (and PDCP not reset).

- Ericsson think the main point of partial MAC reset is the HARQ continuation. IF we don’t have this we can reset. ZTE doesn’t agree. Think TA part is important. CATT also doesn’t agree with Ericsson, think also BSR is important. MTK agree with ZTE and CATT, but also agrees that HARQ continue is important but it is contriverial, suggest not to dig into this.

- vivo think it can work as legacy.

- Nokia think it may be better to always send BSR.

- Ericsson think we can have a benefit-gain discussion.

P5

- Chair assume that reworded P4 is included in this.

P8

- QC think we should reset HARQ (quick discussion).

- Xiaomi agrees that main intention with MAC partial reset is data interruption.

- CATT think HARQ continuity need to be controlled by the network.

- MTK support HARQ continuity. It is about data loss which need to be addressed,

DISCUSSION on HARQ

- Ericsson think that without HARQ continue we just reset MAC.

- vivo think P1 and P7 are useful and can be agreed. Nokia think that RRC message sending in target cell will anyway trigger BSR. Nokia agrees with ericsson

* If the TA maintenance etc for candidate cell(s) in the UE is needed, the TA(s) associated with candidate cell(s) can be maintained during LTM (TDB exactly which cells decide stage-3).
* For non-TA parts, we do MAC reset, which overrides earlier agreements on partial MAC reset. As earlier agreed RLC-AM can continue at LTM cell switch (intended for intra-DU).

[R2-2304912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304912.zip) Remaining issues on partial MAC reset vivo, MediaTek Inc., Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304688](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304688.zip) Discussions on Cell Switch CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304720](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304720.zip) Remaining issues for Cell Switching Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304883](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304883.zip) Discussion on issues at lower layer mobility with RACH-less Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304891](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304891.zip) Triggering MAC CE for LTM MediaTek Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304953](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304953.zip) Discussions on LTM cell switch execution Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305119](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305119.zip) Dynamic switch in LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305167](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305167.zip) LTM MAC CE content and functionality Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305295](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305295.zip) Discussion on MAC CE content and partial MAC reset for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305370](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305370.zip) Discussion on remaining issue for LTM Transsion Holdings discussion Rel-18

[R2-2305541](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305541.zip) LTM command MAC CE content and RAN3 LS reply Huawei, HiSilicon, CATT, ZTE Corporation, Sanechips, vivo, China Unicom discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305576](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305576.zip) Contents of cell switch MAC CE Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305641](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305641.zip) Further considerations on cell switch CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305643](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305643.zip) Discussion on partial MAC reset for LTM KDDI Corporation discussion

[R2-2305649](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305649.zip) Further discussion on cell switch NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305909](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305909.zip) On the cell switch in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305919](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305919.zip) L2 behaviours and reset indication Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305943](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305943.zip) Cell Switch details Lenovo discussion NR\_Mob\_enh2-Core

[R2-2306013](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306013.zip) LTM cell switch command and UE actions Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306120](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306120.zip) Discussion on fallback RACH for L1L2-triggered mobility ASUSTeK discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306371](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306371.zip) Cell Switch for LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306418](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306418.zip) Further Considerations On MAC Partial Reset ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

### 7.4.3 NR-DC with selective activation cell of groups

Continue discussion from previous meeting. Security aspects as indicated by SA3 are postponed, as it is likely that SA3 will have further progress in May.

[R2-2305297](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305297.zip) Open issues for selective activation of SCGs for NR-DC OPPO discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

- Ericsson wonder about MN-initiated vs SN-initiated. QC think this is just about the first step.

- ZTE think candidate SN need to generate execution conditions for subsequent CPC.

- NEC think the intention is to remove additional RRC reconfiguration procedures, so agrees with P2. Xiaomi also agrees with P2.

- P4: Xiaomi wonder when cand SN becomes serving SN whether it can modify.

- CMCC agrees with these proposals, and think that indeed the reply to xiaomi q is yes.

- HW think that cand SN shall generate conditions for subseq CPC also for MN-initiated.

- HW think P4 shold be possible as part of preparation.

- LG support all proposals.

P8

- LG think there is no mixed SN-initiated – MN-initiated scenario, there is just one single reference. HW agrees there is one single reference configuration

* For SN-initiated SCG selective activation, candidate SN generates execution conditions for subsequent CPC.
* FFS if it shall be possible to do something like MN-initiated CPA/CPC where Candidate SN generate execution conditions for subsequent CPC
* The UE shall skip the condition evaluation for a candidate which is a current PScell.
* The reference configuration is provided to all candidates involved in preparation, FFS which node initially generates it. Assume it can be provided in MN initiated and in SN initiated procedures.
* Will not spend specific efforts for supporting nested configurations for candidate cell configuration.
* Rapporteur take initiative on naming offline

MTK reports that the naming proposal is “Subsequent CPAC”

- Apple think that subsequent addition is strange

* Terminology is “Subsequent CPAC”

[R2-2305920](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305920.zip) NR-DC with selective SCG activatiion Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304689](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304689.zip) Discussion on Selective Activation of Cell Groups in NR-DC CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304786](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304786.zip) Consideration on SCG selective activation ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305861](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305861.zip) On remaining issues of selective activation Nokia, Nokia Shanghai Bell discussion

[R2-2305385](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305385.zip) NR-DC with selective activation Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304913](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304913.zip) Remaining issues for NR-DC with selective activation cell of groups vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305214](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305214.zip) SCG Selective Activation in NR-DC Qualcomm Incorporated discussion Rel-18

[R2-2306309](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306309.zip) Discussion on selective SCG activation MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2303606

[R2-2305105](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305105.zip) Execution condition in selective SCG activation Apple discussion Rel-18 NR\_Mob\_enh2-Core R2-2303408

*Moved from 7.4.4*

[R2-2306227](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306227.zip) Considerations on Subsequent CPAC after SCG Change Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306133](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306133.zip) Discussion on NR-DC with SCG selective activation Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305555](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305555.zip) Discussion on NR-DC with SCG selective activation Spreadtrum Communications discussion Rel-18

[R2-2305608](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305608.zip) Discussion on NR-DC with selective activation of cell groups CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305650](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305650.zip) Configurations for selective SCG activation NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305679](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305679.zip) Discussion on issues related to SCG selective activation Lenovo discussion Rel-18

[R2-2305812](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305812.zip) Subsequent change of SCGs and selective activation Interdigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306105](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306105.zip) Discussion on NR-DC with selective activation cell of groups KDDI Corporation discussion

[R2-2306274](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306274.zip) Further discussion on execution condition related issue NTT DOCOMO INC. discussion Rel-18

[R2-2306376](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306376.zip) Discussion on NR-DC with selective activation of the cell groups. DENSO CORPORATION discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306372](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306372.zip) Remaining issues for SCG selective activation Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306429](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306429.zip) Selective CG Activation in NR LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305366](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305366.zip) Discussion on NR-DC with Selective Activation of Cell Groups FGI discussion

[R2-2305371](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305371.zip) Discussion on Selective Activation of Cell Groups in NR-DC Transsion Holdings discussion Rel-18

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

Include Stage-3 RRC proposals (in order to have better discussion). Continue discussion from previous meeting.

[R2-2304787](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304787.zip) Discussion on CHO with candidate SCGs ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

- HW think we should not call this CPA or CPC as this refers to Rel-17.

- CATT think CPA is not applicable.

- LG generally ok, but agree with CATT that we don’t need SN-initiated.

- LG also wonder how the CHO and CPC are linked? Are they both in MN format.

- LG think that new execution conditions are needed.

- QC are generally ok, think we should also do CPA.

- MTK support P3-P6, think event A4 is a good baseline. MTK also think CPA is a low hanging fruit.

- Nokia support P3-P7. Nokia think A4 is not perfect, could be ok to accept this.

P3

- Ericsson wonder if src is intended to include MN SN. ZTE think the intention was mainly src MN.

P5

- ZTE clarifies that the source provide the measurement config and the thresholds are set by candidate.

P7

- Think there is no need to support SN-initiated scenarios, MN-initiated scenarios are not needed.

- HW think P7 is an addition, that we might not need. Can consider later.

* P3: The CHO execution conditions (for candidate PCells) and CPA/CPC execution conditions (for candidate PSCells) are provided based on the source MeasConfig.
* P4: For CHO execution conditions, the source MN determines the execution conditions on candidate PCells, based on the source MCG MeasConfig.
* P5: For CPA/CPC execution conditions, the candidate MN determines the parameters of the execution conditions for candidate PSCells (e.g. event A4 threshold).
* P6: The candidate MN informs the source MN about the prepared candidate PSCells and parameters of the associated execution conditions (e.g. event A4 threshold). According to the received information from the candidate MN, the source MN generates the corresponding execution conditions based on the source MCG MeasConfig to the UE.
* FFS how, if to support event A3/A5.
* P8: For CHO with candidate SCGs for CPA/CPC, the RRCReconfigurtaion message in one CHO container includes one MCG configuration and one SCG configuration (i.e. similar to Rel-17 CHO with SCG configuration).
* P9: The execution conditions associated with one CHO container includes both CHO execution condition(s) and CPA/CPC execution condition(s), i.e. triggering conditions on both candidate PCell and candidate PSCell.
* P10: If there are multiple candidate PSCells associated with one candidate PCell, the NW can provide multiple CHO configurations for the same candidate PCell, i.e. each one contains one MCG configuration (for the same candidate PCell) and one SCG configuration (for different candidate PSCell).
* P12: When the CPA/CPC execution condition is met but no CHO execution condition is met, the UE continues to evaluate both CHO and CPA/CPC execution conditions.
* For CHO+CPC we only consider execution when BOTH conditions are met.

(When the CHO execution condition is met but no CPC execution condition is met, if there is an available CHO-only or Rel-17 CHO with SCG configuration for which the CHO condition is met, the UE performs the CHO-only or Rel-17 CHO with SCG execution, and THUS the network can handle such situation by providing proper configurations).

[R2-2305213](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305213.zip) CHO with multiple candidate SCGs Qualcomm Incorporated discussion Rel-18

[R2-2304690](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304690.zip) Discussion on CHO including target MCG and candidate SCGs CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305386](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305386.zip) CHO with associated CPC or CPA Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305542](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305542.zip) CHO including target MCG and candidate SCGs for CPC/CPA Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305881](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305881.zip) Further details on CHO with CPAC in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305010](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305010.zip) Considerations on CHO with CPA/CPC Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306297](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306297.zip) Discussion on CHO with candidate SCG MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2303607

[R2-2305102](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305102.zip) Using SCG deactived state for CHO with SN addition Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2304914](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304914.zip) Discussion on CHO with CPAC vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305298](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305298.zip) Discussion on configuration, evaluation and execution for CHO with CPA/CPC OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2306134](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306134.zip) Discussion on CHO with CPAC Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305696](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305696.zip) CHO with candidate SCG for CPAC Lenovo discussion Rel-18

[R2-2305239](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305239.zip) Discussion on evaluation and execution of CHO with CPAC in NR-DC China Telecom discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305630](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305630.zip) Discussion CHO including target MCG and candidate SCGs for CPAC CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305813](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305813.zip) CHO with associated SCG Interdigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2305556](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305556.zip) Discussion on CHO with CPAC in NR-DC Spreadtrum Communications discussion Rel-18

[R2-2306430](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306430.zip) Simultaneous Evaluation for CHO and CPAC LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

## 7.5 XR Enhancements for NR

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

Time budget: 2 TU

Tdoc Limitation: 5 Tdocs

### 7.5.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan, SA2/SA4 progress reports)

[R2-2304659](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304659.zip) LS out on the N6 PDU Set Identification (S4-230739; contact: Intel) SA4 LS in Rel-18 5G\_RTP, XRM, NR\_XR\_enh To:SA2, RAN2

[R2-2305186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305186.zip) Work Plan for Rel-18 WI on XR Enhancements for NR Nokia, Qualcomm (Rapporteurs); Ericsson (RAN1 FL) Work Plan Rel-18 NR\_XR\_enh-Core

[R2-2305187](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305187.zip) SA2 Status for XR Nokia, Qualcomm (Rapporteurs) discussion Rel-18 NR\_XR\_enh-Core

[R2-2305188](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305188.zip) SA4 Status for XR Nokia, Qualcomm (Rapporteurs) discussion Rel-18 NR\_XR\_enh-Core

[R2-2305189](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305189.zip) Stage 2 Overview of XR Enhancements Nokia, Qualcomm (Rapporteurs) draftCR Rel-18 38.300 17.4.0 B NR\_XR\_enh-Core

[R2-2305492](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305492.zip) UE Capabilities for Rel-18 XR WI Intel Corporation discussion Rel-18 NR\_XR\_enh-Core

### 7.5.2 XR awareness

Including discussion on XR traffic assistance information from UE to networkIncluding discussion on how UL jitter information is reported from UE to network: what exactly is reported and via which signalling, what are the value ranges, how does network detect UL EoDB (e.g. can padding BSR be used for that?), etc.

[R2-2304708](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304708.zip) Discussion on XR awareness Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

[R2-2304865](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304865.zip) Further discussions on XR awareness Futurewei discussion Rel-18 NR\_XR\_enh-Core

[R2-2304915](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304915.zip) Discussion on XR awareness vivo discussion Rel-18 NR\_XR\_enh-Core

[R2-2304967](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304967.zip) Enhancements for XR awareness CATT, Dell Technologies discussion Rel-18 NR\_XR\_enh-Core

[R2-2305005](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305005.zip) Discussion on XR awareness Xiaomi Communications discussion

[R2-2305016](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305016.zip) XR Awareness in RAN ZTE Corporation, Sanechips discussion

[R2-2305071](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305071.zip) Views on XR-Awareness Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2305158](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305158.zip) XR awareness InterDigital discussion Rel-18 NR\_XR\_enh-Core

[R2-2305190](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305190.zip) Jitter and End of Data Burst Signalling Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

[R2-2305301](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305301.zip) Discussion on periodicity, jitter, and end of burst indication KDDI Corporation discussion

[R2-2305361](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305361.zip) XR awareness NEC discussion Rel-18 NR\_XR\_enh-Core

[R2-2305493](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305493.zip) XR Awareness in UE and RAN Intel Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305513](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305513.zip) Considerations on XR PDU prioritization Sony discussion Rel-18 NR\_XR\_enh-Core

[R2-2305532](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305532.zip) Discussion on XR awareness OPPO discussion Rel-18 NR\_XR\_enh-Core

[R2-2305536](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305536.zip) On XR awareness Google Inc. discussion

[R2-2305565](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305565.zip) Discussion on XR awareness Spreadtrum Communications discussion Rel-18

[R2-2305634](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305634.zip) Remaining Issues on UL Traffic assistance information for XR CMCC discussion Rel-18 NR\_XR\_enh-Core

[R2-2305684](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305684.zip) Discussion on PDU sets and data burst awareness in RAN Lenovo discussion Rel-18

[R2-2305740](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305740.zip) Discussion on UL jitter information Samsung discussion Rel-18 NR\_XR\_enh-Core

[R2-2305808](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305808.zip) Discussion on PDU set and data burst information Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

[R2-2305827](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305827.zip) Discussion on XR-awareness Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2305897](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305897.zip) RAN awareness of XR characteristics MediaTek Inc. discussion Rel-18 NR\_XR\_enh R2-2303301

[R2-2306205](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306205.zip) Further discussion on XR awareness TCL Communication discussion Rel-18

[R2-2306333](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306333.zip) Discussion on XR awareness LG Electronics Inc. discussion NR\_XR\_enh-Core

[R2-2306463](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306463.zip) Discussion on XR-awareness NTT DOCOMO, INC. discussion

[R2-2306481](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306481.zip) Discussion on XR awareness China Unicom discussion NR\_XR\_enh-Core

### 7.5.3 XR-specific power saving

Including discussion and details of solutions for DRX cycles with XR: do we use rational numbers for DRX cycle or do integer adjustments? How does each solution work in details?

Including discussion on solutions for SFN wrap-around, e.g. what is the reference SFN: H-SFN, E-SFN or some generic counter?

[R2-2304709](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304709.zip) Discussion on DRX mismatch problem for XR Qualcomm Incorporated, MediaTek, CATT, vivo, NEC, Meta discussion Rel-18 NR\_XR\_enh-Core

[R2-2304710](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304710.zip) Discussion on SFN wrap around problem for XR Qualcomm Incorporated, Huawei, HiSilicon, Meta discussion Rel-19 NR\_XR\_enh-Core

[R2-2304808](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304808.zip) Discussion on C-DRX enhancements for XR Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

[R2-2304916](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304916.zip) Analysis on introducing H-SFN for DRX formulas vivo discussion Rel-18 NR\_XR\_enh-Core

[R2-2304954](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304954.zip) Discussions on DRX enhancements for XR Fujitsu discussion Rel-18 NR\_XR\_enh-Core

[R2-2304968](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304968.zip) Enhancements for SFN wrap-around CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2305006](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305006.zip) Discussing on XR-specific C-DRX enhancement Xiaomi Communications discussion

[R2-2305007](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305007.zip) Discussion on power saving scheme for XR Samsung discussion Rel-18 NR\_XR\_enh

[R2-2305017](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305017.zip) XR-specific power saving ZTE Corporation, Sanechips discussion

[R2-2305072](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305072.zip) C-DRX enhancements for XR Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2305159](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305159.zip) XR-specific power saving InterDigital discussion Rel-18 NR\_XR\_enh-Core

[R2-2305367](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305367.zip) Discussion on DRX enhancements for XR FGI discussion

[R2-2305456](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305456.zip) Discussion on C-DRX enhancement for XR NEC Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305458](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305458.zip) Discussion on DRX cycle alignment for XR ITRI discussion NR\_XR\_enh-Core

[R2-2305494](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305494.zip) C-DRX Enhancements for XR Traffic Intel Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305543](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305543.zip) XR-specific power saving enhancement Google Inc. discussion

[R2-2305593](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305593.zip) Discussion on power saving aspects for XR Continental Automotive discussion Rel-18

[R2-2305626](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305626.zip) Discussion on the DRX enhancement CMCC discussion Rel-18 NR\_XR\_enh-Core

[R2-2305652](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305652.zip) DRX enhancements for XR Nokia, Nokia Shanghai Bell, Continental Automotive discussion Rel-18 NR\_XR\_enh-Core

[R2-2305685](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305685.zip) Discussion of DRX enhancement Lenovo discussion Rel-18

[R2-2305830](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305830.zip) Discussion on XR-specific power saving Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2305898](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305898.zip) Considerations for SFN wrap around solution MediaTek Inc., LGE discussion Rel-18 NR\_XR\_enh

[R2-2306143](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306143.zip) DRX enhancement for power saving in XR LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2306203](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306203.zip) Discussion on various frame rates supported for XR-specific power III discussion

### 7.5.4 XR-specific capacity improvements

No documents should be submitted to 7.5.4. Please submit to 7.5.4.x

#### 7.5.4.1 BSR enhancements for XR

Including discussion on delay status reporting: What does UE report for the remaining time and how is the reporting triggered? How does UE calculate the remaining time and what is the granularity of the reporting?

Including discussion on how to decide whether to use static or configured BSR tables for XR, explaining the details of the solutions, e.g. selection of BSR table, amount of needed new tables and how they are created (e.g. based on which distributions/parameters), analysis of quantization errors with the proposed solution, BSR MAC CE structure (e.g. extend/reuse current MAC CE format), etc.

[R2-2304711](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304711.zip) BSR and delay status report for XR Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

[R2-2304826](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304826.zip) Discussion on BSR and DSR for XR TCL Communication Ltd. discussion Rel-18

[R2-2304861](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304861.zip) BSR Enhancements For XR Dell Technologies discussion Rel-18

[R2-2304864](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304864.zip) Further discussions on BSR enhancements for XR Futurewei discussion Rel-18 NR\_XR\_enh-Core

[R2-2304917](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304917.zip) Discussion on BSR enhancements for XR vivo discussion Rel-18 NR\_XR\_enh-Core

[R2-2304955](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304955.zip) Discussions on delay information reporting Fujitsu discussion Rel-18 NR\_XR\_enh-Core

[R2-2304969](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304969.zip) On BSR Enhancements CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2305002](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305002.zip) Discussing on BSR enhancements for XR capacity Xiaomi Communications discussion

[R2-2305018](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305018.zip) BSR enhancements for XR ZTE Corporation, Sanechips discussion

[R2-2305073](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305073.zip) Views on BSR Enhancements for XR Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2305149](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305149.zip) New BS table(s) and BSR trigger(s) NEC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2305364](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305364.zip) Generate new buffer status report table FGI discussion

[R2-2305388](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305388.zip) Discussion on BSR enhancements for XR Honor discussion

[R2-2305454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305454.zip) Discussion on BSR enhancement for delay information report NEC Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305495](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305495.zip) BSR Enhancements for XR Traffic Intel Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305514](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305514.zip) Considerations on XR UL PDU set information Sony discussion Rel-18 NR\_XR\_enh-Core

[R2-2305515](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305515.zip) Some considerations on BSR enhancements for XR Sony discussion Rel-18 NR\_XR\_enh-Core

[R2-2305533](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305533.zip) Discussion on BSR enhancement for XR OPPO discussion Rel-18 NR\_XR\_enh-Core

[R2-2305571](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305571.zip) Consideration on BSR enhancements for XR Spreadtrum Communications discussion Rel-18

[R2-2305604](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305604.zip) Consideration on Piecewise Linear BS Table CMCC, Huawei, HiSilicon, China Unicom discussion Rel-18 NR\_XR\_enh-Core

[R2-2305653](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305653.zip) BSR enhancements for XR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

[R2-2305723](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305723.zip) Discussion on BSR enhancements for XR Lenovo discussion Rel-18 NR\_XR\_enh-Core

[R2-2305816](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305816.zip) BSR enhancements for XR Interdigital Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2305828](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305828.zip) Discussion on BSR enhancements for XR Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2306130](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306130.zip) Discussion on MAC enhancements for XR-specific capacity improvement Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

[R2-2306176](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306176.zip) BSR enhancements for XR MediaTek Inc. discussion Rel-18

[R2-2306242](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306242.zip) Discussion on delay information for XR Google Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2306243](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306243.zip) Discussion on BSR enhancements for XR Google Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2306252](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306252.zip) Discussion on residual resource allocation for XR Google Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2306275](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306275.zip) Discussion on BSR enhancements for XR III discussion NR\_XR\_enh-Core

[R2-2306346](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306346.zip) Discussion on new BSR table and delay information report LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

[R2-2306353](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306353.zip) Discussion on BSR enhancements for XR Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2306393](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306393.zip) XR BSR and Delay Information Enhancements Meta USA discussion Rel-18 NR\_XR\_enh-Core

#### 7.5.4.2 Discard operation for XR

Including discussion how the achieve PDU-set based discard in PDCP layer works for UL and DL and how is that specified (e.g. is there need for any PDCP CEs).

Including discussion on whether PDU set discard at PDCP impacts RLC layer (e.g. does discarding at PDCP also trigger discarding at buffered RLC PDUs).

[R2-2304712](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304712.zip) Discussion on discard operation Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

[R2-2304827](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304827.zip) Discussion on discard indication for XR TCL Communication Ltd. discussion Rel-18

[R2-2304918](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304918.zip) Discussion on discard operation for XR vivo discussion Rel-18 NR\_XR\_enh-Core

[R2-2304956](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304956.zip) Discussions on PDU discard based on PDU Set Importance Fujitsu discussion Rel-18 NR\_XR\_enh-Core

[R2-2304970](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304970.zip) Discard Operation for XR CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2305001](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305001.zip) Discussing on PDU discarding of XR traffic Xiaomi Communications discussion

[R2-2305012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305012.zip) PDU discard CANON Research Centre France discussion Rel-18 NR\_XR\_enh-Core

[R2-2305019](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305019.zip) PDU discard for XR ZTE Corporation, Sanechips discussion

[R2-2305074](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305074.zip) Views on PDU Discard Operation for XR Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2305150](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305150.zip) PDU discard NEC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2305160](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305160.zip) Discard operation for XR InterDigital discussion Rel-18 NR\_XR\_enh-Core

[R2-2305191](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305191.zip) Discard operation for XR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

[R2-2305457](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305457.zip) Discussion on the issues of PDU-Set discard ITRI discussion NR\_XR\_enh-Core

[R2-2305496](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305496.zip) Discard Enhancements for XR Traffic Intel Corporation discussion Rel-18 NR\_XR\_enh-Core

[R2-2305534](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305534.zip) Discussion on discard operation for XR OPPO discussion Rel-18 NR\_XR\_enh-Core

[R2-2305566](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305566.zip) Discussion on XR discard Spreadtrum Communications discussion Rel-18

[R2-2305635](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305635.zip) PDU-Set Discard operation for XR CMCC discussion Rel-18 NR\_XR\_enh-Core

[R2-2305724](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305724.zip) Discard operation for XR communications Lenovo discussion Rel-18 NR\_XR\_enh-Core

[R2-2305784](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305784.zip) Discard Operation for XR Samsung R&D Institute India discussion Rel-18

[R2-2305829](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305829.zip) Discussion on PDU Discard Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2305899](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305899.zip) Further aspects of PDU discard MediaTek Inc. discussion Rel-18 NR\_XR\_enh R2-2303303

[R2-2306106](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306106.zip) Further discussions on discard operation for XR Futurewei discussion Rel-18 NR\_XR\_enh-Core

[R2-2306121](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306121.zip) Discussion on PDU Set discard in PDCP layer for DL and UL ASUSTeK discussion Rel-18 NR\_XR\_enh-Core

[R2-2306137](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306137.zip) Discussion on PDU set discarding for XR traffic Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh-Core

[R2-2306331](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306331.zip) Discussion on the discard for XR LG Electronics Inc. discussion NR\_XR\_enh-Core

[R2-2306402](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306402.zip) Discussion on PDU Discard Operation for XR Meta USA discussion Rel-18 NR\_XR\_enh-Core

#### 7.5.4.3 Configured Grant enhancements for XR

Including RAN2-specific aspects of Multiple Configured Grant (CG) PUSCH transmission occasions in a period of a single CG PUSCH configuration.

Including RAN2-specific aspects of dynamic indication of unused CG PUSCH occasion(s) based on Uplink Control Information (UCI) by the UE.

Including discussion on retransmission-less CG, e.g. how does the solution discussed in RAN2#121bis-e ensure consistent HARQ operation?

[R2-2304713](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304713.zip) Configured grant enhancements for XR Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh-Core

[R2-2304809](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304809.zip) Discussion on retransmission-less CG for XR Huawei, Apple, Futurewei, Google, HiSilicon, Intel, Lenovo, MediaTek, Meta, Qualcomm discussion Rel-18 NR\_XR\_enh-Core

[R2-2304919](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304919.zip) Discussion on CG enhancements for XR vivo discussion Rel-18 NR\_XR\_enh-Core

[R2-2304971](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304971.zip) Enhancements for configured grant CATT discussion Rel-18 NR\_XR\_enh-Core

[R2-2305020](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305020.zip) Configured Grant enhancements for XR ZTE Corporation, Sanechips discussion

[R2-2305075](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305075.zip) Views on Configured Grant Enhancements for XR Apple discussion Rel-18 NR\_XR\_enh-Core

[R2-2305161](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305161.zip) Configured Grant enhancements for XR InterDigital discussion Rel-18 NR\_XR\_enh-Core

[R2-2305516](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305516.zip) Configured Grant enhancements for XR Sony discussion Rel-18 NR\_XR\_enh-Core

[R2-2305517](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305517.zip) Options for Retransmission-less CG for XR traffic Sony discussion Rel-18 NR\_XR\_enh-Core

[R2-2305535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305535.zip) Discussion on configured grant enhancement for XR OPPO discussion Rel-18 NR\_XR\_enh-Core

[R2-2305538](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305538.zip) On Configured Grant enhancements for XR Google Inc. discussion

[R2-2305605](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305605.zip) Consideration on Retransmission less CG on XR CMCC discussion Rel-18 NR\_XR\_enh-Core

[R2-2305654](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305654.zip) Retransmission-less operation Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh-Core

[R2-2305725](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305725.zip) Details of CG enhancements for XR communications Lenovo discussion Rel-18 NR\_XR\_enh-Core

[R2-2305741](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305741.zip) Discussion on retransmission-less CG Samsung discussion Rel-18 NR\_XR\_enh-Core

[R2-2306185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306185.zip) HARQ ID determination formula for CG MediaTek Inc. discussion Rel-18

[R2-2306206](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306206.zip) Discussion on multiple-PUSCHs CG for XR TCL Communication discussion Rel-18

[R2-2306266](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306266.zip) Configured Grant enhancements for XR Ericsson discussion Rel-18 NR\_XR\_enh-Core

[R2-2306272](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306272.zip) Discussion on Configured Grant enhancements for XR III discussion NR\_XR\_enh-Core

[R2-2306347](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306347.zip) Discussion on CG enhancement for XR LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

## 7.6 IoT NTN enhancements

(IoT\_NTN\_enh-Core; leading WG: RAN1; REL-18; WID: RP-223519)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 7.6.1 Organizational

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

[R2-2304612](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304612.zip) LS on GNSS position fix during inactive state of Connected DRX for improved GNSS operations (R1-2304126; contact: MediaTek) RAN1 LS in Rel-18 IoT\_NTN\_enh-Core To:RAN2

[R2-2304737](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304737.zip) 36.321 (MAC) Running CR for IoT-NTN Mediatek Inc. draftCR Rel-18 36.321 17.4.0 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2305199](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305199.zip) Running CR for TS 36.306 for Rel-18 IoT NTN Qualcomm Incorporated draftCR Rel-18 36.306 17.4.0 B IoT\_NTN\_enh-Core

[R2-2306065](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306065.zip) 36331 running CR for IOT NTN Huawei, HiSilicon draftCR Rel-18 36.331 17.4.0 B IoT\_NTN\_enh-Core

[R2-2306265](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306265.zip) Running CR for R18 IoT NTN Ericsson discussion Rel-18 36.300 IoT\_NTN\_enh-Core

### 7.6.2 Performance Enhancements

[R2-2306485](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306485.zip) On improved GNSS operation for IoT NTN Samsung Suzhou discussion Rel-18 IoT\_NTN\_enh

#### 7.6.2.1 HARQ enhancements

[R2-2304731](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304731.zip) On Disabling HARQ Feedback in IoT-NTN Mediatek Inc. discussion

[R2-2304740](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304740.zip) Discussion on HARQ enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304813](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304813.zip) Discussion on HARQ mode for PUR Huawei, Turkcell, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304893.zip) Discussion on the HARQ enhancements in IoT NTN CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305168](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305168.zip) Remaining Issues on Disabling HARQ feedback for IoT-NTN Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305200](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305200.zip) UL HARQ process enhancement Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305609](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305609.zip) Discussion on the HARQ enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305727](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305727.zip) Discussion on HARQ enhancement Xiaomi discussion Rel-18

[R2-2305758](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305758.zip) On HARQ enhancements for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305956](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305956.zip) Further discussion on HARQ enhancements ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2306264](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306264.zip) R18 IoT NTN HARQ enhancements Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

#### 7.6.2.2 GNSS operation enhancements

[R2-2304732](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304732.zip) GNSS Operation Enhancements in IoT-NTN MediaTek Inc. discussion

[R2-2304751](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304751.zip) Discussion on GNSS operation for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304814](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304814.zip) Discussion on GNSS operation enhancements Huawei, Turkcell, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304894.zip) Discussion on GNSS operation in connected mode CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305151](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305151.zip) GNSS fix in connected mode NEC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305169](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305169.zip) GNSS acquisition and reporting for IoT NTN Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305203](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305203.zip) GNSS fix in RRC\_CONNECTED Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305610](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305610.zip) Discussion on GNSS enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305711](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305711.zip) Further considerations on GNSS operations in RRC\_CONNECTED for IoT NTN Lenovo discussion Rel-18

[R2-2305726](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305726.zip) Discussion on GNSS operation enhancement Xiaomi discussion Rel-18

[R2-2305759](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305759.zip) GNSS operation enhancements for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305894.zip) Issues for the GNSS Validity Reporting Google Inc. discussion

[R2-2305957](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305957.zip) Further discussion on GNSS reacquisition ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core R2-2302820

[R2-2305992](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305992.zip) GNSS operation enhancements SHARP Corporation discussion

[R2-2306166](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306166.zip) Improved GNSS Operation Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2306263](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306263.zip) R18 IoT NTN GNSS operation enhancements Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

### 7.6.3 Mobility Enhancements

#### 7.6.3.1 Enhancements for neighbour cell measurements

[R2-2304733](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304733.zip) On Enhancing Neighbor Cell Measurements in IoT-NTN MediaTek Inc. discussion

[R2-2304741](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304741.zip) Discussion on measurement triggering enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304742](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304742.zip) Discussion on neighbour cell assistance information for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2304895](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304895.zip) Discussion on the mobility enhancements for IoT NTN UE CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305170](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305170.zip) Neighbour cell measurements before RLF and CHO enhancements Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305202](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305202.zip) Satellite and coverage information signalling Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305611](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305611.zip) Discussion on mobility enhancements for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305671](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305671.zip) Discussion on the neighbour cell measurement for RRC Connected UE Xiaomi discussion

[R2-2305712](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305712.zip) On location-based neighbour cell measurement in RRC\_CONNECTED in IoT NTN Lenovo discussion Rel-18

[R2-2305862](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305862.zip) Further analysis on mobility enhancements for IoT-NTN Nokia, Nokia Shanghai Bell discussion

[R2-2305958](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305958.zip) Further discussion on neighbor satellite assistance information and new triggers for neighbor cell measurement ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2306066](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306066.zip) Enhancements for neighbour cell measurements Huawei, HiSilicon, Turkcell discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2306168](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306168.zip) Neighbour cell measurements before RLF for NB-IoT Apple discussion Rel-18 IoT\_NTN\_enh R2-2303406

[R2-2306254](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306254.zip) Neighbour cell measurements before RLF Ericsson discussion Rel-18 IoT\_NTN\_enh-Core R2-2304065

[R2-2306484](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306484.zip) On enhancements for neighbour cell measurements Samsung Suzhou discussion Rel-18 IoT\_NTN\_enh

#### 7.6.3.2 Other

[R2-2305713](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305713.zip) On new SIB for neighbour cell information in IoT NTN Lenovo discussion Rel-18

[R2-2306169](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306169.zip) Mobility enhancement in IoT NTN Apple discussion Rel-18 IoT\_NTN\_enh R2-2303405

[R2-2306486](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306486.zip) On IoT NTN CHO and other mobility enhancements Samsung Suzhou discussion Rel-18 IoT\_NTN\_enh

### 7.6.4 Enhancements to discontinuous coverage

[R2-2304812](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304812.zip) Discussion on discontinuous coverage Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2304896](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304896.zip) Discussion on enhancements to discontinuous coverage CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305171](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305171.zip) IoT-NTN discontinuous coverage enhancements Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305172](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305172.zip) <draft> LS on PTW modification due to UE unreachability Interdigital, Inc. LS out Rel-18 IoT\_NTN\_enh-Core To:SA2 Cc:CT1

[R2-2305201](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305201.zip) RRC release procedure in discontinuous coverage Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core R2-2303042

[R2-2305307](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305307.zip) Considerations on Supporting Discontinuous Coverage NEC Europe Ltd discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305372](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305372.zip) Discussion on enhancement to discontinuous coverage for IoT NTN Transsion Holdings discussion Rel-18

[R2-2305560](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305560.zip) Discussion on power saving enhancements for supporting discontinuous coverage Spreadtrum Communications discussion Rel-18

[R2-2305612](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305612.zip) Discussion on the discontinuous coverage for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305672](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305672.zip) Enhancements to discontinuous coverage Xiaomi discussion

[R2-2305714](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305714.zip) Further considerations on discontinuous coverage Lenovo discussion Rel-18

[R2-2305785](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305785.zip) Enhancements to discontinuous coverage Samsung Shenzhen discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2305863](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305863.zip) On RAN impacts for Discontineous coverage enhancements Nokia, Nokia Shanghai Bell discussion

[R2-2305959](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305959.zip) RAN2 enhancements for discontinuous coverage ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core R2-2302822

[R2-2306167](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306167.zip) Support on discontinuous coverage in IoT NTN Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2306466](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306466.zip) Enhancements to discontinuous coverage Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

## 7.7 NR NTN enhancements

(NR\_NTN\_enh -Core; leading WG: RAN1; REL-18; WID: RP-223534)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

[R2-2305391](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305391.zip) R18 WI NR-NTN-enh work plan at RAN1, 2 and 3 THALES Work Plan Rel-18

### 7.7.1 Organizational

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

[R2-2304634](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304634.zip) LS on the system parameters for NTN above 10 GHz (R4-2305926; contact: CATT) RAN4 LS in Rel-18 NR\_NTN\_enh-Core To:RAN1, RAN2

[R2-2305407](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305407.zip) Stage 2 running CR for TS 38.300 for Rel-18 NTN THALES draftCR Rel-18 38.300 17.4.0 B NR\_NTN\_enh-Core

[R2-2305506](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305506.zip) Discussion on NR NTN UE capabilities Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core R2-2302694

[R2-2305507](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305507.zip) Draft 306 CR for NR NTN UE capabilities Intel Corporation draftCR Rel-18 38.306 17.4.0 NR\_NTN\_enh-Core R2-2302696

[R2-2305508](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305508.zip) Draft 331 CR for NR NTN UE capabilities Intel Corporation draftCR Rel-18 38.331 17.4.0 NR\_NTN\_enh-Core R2-2302695

[R2-2305933](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305933.zip) Stage 3 NTN running CR for 38.321 - RAN2#121bise InterDigital draftCR Rel-18 38.321 17.4.0 B NR\_NTN\_enh-Core Late

[R2-2306294](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306294.zip) Stage 3 running 38.304 CR for NTN ZTE corporation, Sanechips draftCR Rel-18 38.304 17.4.0 NR\_NTN\_enh-Core

[R2-2306468](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306468.zip) Stage 3 Running RRC CR for NR NTN Rel-18 Ericsson CR Rel-18 38.331 17.4.0 4152 - B NR\_NTN\_enh-Core

### 7.7.2 Coverage Enhancements

This AI will be treated only after corresponding progress in RAN1

[R2-2304743](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304743.zip) Discussion on PUCCH enhancement for Msg4 HARQ-ACK in NR NTN OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305744](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305744.zip) Discussion on coverage enhancement Xiaomi discussion Rel-18

### 7.7.3 Network verified UE location

[R2-2304735](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304735.zip) On Network Verified UE Location in NR NTN MediaTek Inc. discussion

[R2-2304811](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304811.zip) Discussion on the network verfied UE location Huawei, Turkcell, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305033](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305033.zip) Discussion on network verified UE location Ericsson discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305194](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305194.zip) Single satellite Multi-RTT based positioning Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305249](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305249.zip) Discussion on multiple-RTT based positioning in NTN Quectel discussion

[R2-2305393](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305393.zip) Discussion on NTN NW verified UE location Lenovo discussion Rel-18

[R2-2305408](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305408.zip) Discussion on network verified UE location in NR NTN THALES discussion Rel-18 NR\_NTN\_enh-Core R2-2303261

[R2-2305596](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305596.zip) Network verified UE location CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305673](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305673.zip) Discussion on network verified UE location Xiaomi discussion

[R2-2305790](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305790.zip) Remaining issues on Network Verified UE Location Samsung Shenzhen discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305940](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305940.zip) On Network verified UE location Nokia, Nokia Shanghai Bell discussion NR\_NTN\_enh-Core R2-2302794

[R2-2306244](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306244.zip) Consideration on NW verified UE location and CE ZTE Corporation, Sanechips discussion Rel-18

[R2-2306377](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306377.zip) Discussion on Network Verified UE Location TCL Communication Ltd. discussion Rel-18

### 7.7.4 NTN-TN and NTN-NTN mobility and service continuity enhancements

#### 7.7.4.1 Cell reselection enhancements

##### 7.7.4.1.1 NTN-TN enhancements

R2-2304696 Discussion on TN-NTN cell reselection enhancements CAICT discussion Rel-18 NR\_NTN\_enh-Core Withdrawn

[R2-2304744](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304744.zip) Discussion on NTN-TN cell reselection enhancement OPPO discussion Rel-18 NR\_NTN\_enh-Core R2-2302539

R2-2304783 Considerations on the NTN-TN cell re-selection enhancements Telit Communications S.p.A. discussion Late

[R2-2304834](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304834.zip) Further discussion on power saving for NTN-TN mobility vivo discussion Rel-18

[R2-2304897](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304897.zip) Discussion on the mechanism for providing TN coverage information CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305048](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305048.zip) Discussion on NTN-TN cell reselection enhancements Continental Automotive discussion

[R2-2305195](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305195.zip) TN cell coverage info and measurement relaxation Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305373](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305373.zip) Discussion on remaining issues of NTN-TN cell reselection enhancements Transsion Holdings discussion Rel-18

[R2-2305597](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305597.zip) Discussion on NTN-TN cell reselection enhancements CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305674](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305674.zip) Cell reselection enhancements for NTN-TN mobility Xiaomi discussion

[R2-2305715](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305715.zip) Further discussions on indication of TN coverage information Lenovo discussion Rel-18

[R2-2305866](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305866.zip) Details of the TN coverage data signalling NEC Telecom MODUS Ltd. discussion

[R2-2305882](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305882.zip) Resolving Open Issues on TN Coverage Definition Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305893.zip) Discussion on the TN Coverage Information Google Inc. discussion

[R2-2305934](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305934.zip) NTN-TN mobility and service continuity InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305994](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305994.zip) NTN-TN Mobility Cell Reselection and PCI Values SHARP Corporation discussion R2-2303724

[R2-2306031](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306031.zip) Discussion on providing TN coverage area information LG Electronics France discussion Rel-18 NR\_NTN\_enh-Core R2-2303975

[R2-2306070](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306070.zip) Discussion on the NTN-TN cell reselection enhancements Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306153](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306153.zip) NTN-TN Cell Reselection Enhancement Apple discussion Rel-18 DUMMY

[R2-2306324](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306324.zip) Remaining issues on NTN-TN Cell Reselection Enhancements Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306352](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306352.zip) Discussion on TN area information for the NTN-TN cell re-selection enhancements ETRI discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306389](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306389.zip) Discussion on NTN-TN Cell re-selection ITL discussion Rel-18

[R2-2306467](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306467.zip) TN NTN mobility enhancements Ericsson discussion Rel-18 NR\_NTN\_enh-Core

##### 7.7.4.1.2 NTN-NTN enhancements

[R2-2304698](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304698.zip) Discussion on NTN-NTN cell reselection enhancements CAICT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2304745](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304745.zip) Discussion on NTN-NTN cell reselection enhancement OPPO discussion Rel-18 NR\_NTN\_enh-Core R2-2302538

[R2-2304835](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304835.zip) Further discussion on cell reselection enhancments for earth-moving cell vivo discussion Rel-18

[R2-2304898](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304898.zip) Discussion on the cell reselection enhancement for earth-moving cell CATT, IPLOOK discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305374](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305374.zip) Discussion on remaining issues of NTN-NTN reselection enhancements Transsion Holdings discussion Rel-18

[R2-2305561](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305561.zip) Discussion on NTN-NTN mobility enhancements Spreadtrum Communications discussion Rel-18

[R2-2305598](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305598.zip) Discussion on NTN-NTN reselection CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305666](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305666.zip) Proposals for completing the decisions from last RAN2 meeting #121bis-e PANASONIC discussion

[R2-2305675](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305675.zip) Cell reselection enhancements for NTN-NTN mobility Xiaomi discussion

[R2-2305716](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305716.zip) Neighbour cell measurement triggering in NTN moving cells Lenovo discussion Rel-18

[R2-2305935](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305935.zip) Cell reselection enhancements for Earth moving cell InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306032](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306032.zip) Discussion on NTN-NTN cell reselection enhancements LG Electronics France discussion Rel-18 NR\_NTN\_enh-Core R2-2303976

[R2-2306154](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306154.zip) NTN-NTN Cell Reselection Enhancement Apple discussion Rel-18 DUMMY

[R2-2306295](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306295.zip) Consideration on cell reselection enhancements for NTN-NTN ZTE corporation, Sanechips,Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306325](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306325.zip) Discussion on NTN-NTN Cell Reselection Enhancements Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306470](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306470.zip) NTN NTN mobility enhancements Ericsson discussion Rel-18 NR\_NTN\_enh-Core

#### 7.7.4.2 Handover enhancements

[R2-2304734](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304734.zip) Handover Enhancements in Earth Moving Cells MediaTek Inc. discussion

[R2-2304736](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304736.zip) Enabling Group Handover in NR-NTN MediaTek Inc. discussion

[R2-2304753](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304753.zip) Discussion on NTN handover enhancements OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2304833](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304833.zip) Discussion on handover enhancement with common HO configuration in NR NTN vivo discussion Rel-18

[R2-2304836](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304836.zip) Further discusison on service link switching with unchanged PCI vivo discussion Rel-18

[R2-2304899](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304899.zip) Discussion on unchanged PCI scenario CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2304900](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304900.zip) Discussion on common (C)HO configuration and RACH-less CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305049](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305049.zip) Discussion on NTN-NTN handover enhancements Continental Automotive discussion

[R2-2305152](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305152.zip) Satellite switch\_PCI change without L3 handover NEC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305153](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305153.zip) Support RACH-less CHO NEC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305196](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305196.zip) RACH-less handover for NTN Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305197](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305197.zip) Satellite switch enhancements for NTN Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305238](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305238.zip) Support of broadcasting HO signaling in NTN China Telecom discussion Rel-18 NR\_NTN\_enh

[R2-2305375](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305375.zip) Discussion on NTN-NTN handover enhancements Transsion Holdings discussion Rel-18

[R2-2305380](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305380.zip) Discussion on NTN handover enhancements TCL Communication Ltd. discussion

[R2-2305518](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305518.zip) Signaling overhead reduction and group handover during NTN-NTN HOs Sony discussion Rel-18 NR\_NTN\_enh

[R2-2305599](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305599.zip) Discussion on handover enhancements for NTN CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305676](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305676.zip) Discussion on handover enhancements for NTN-NTN mobility Xiaomi discussion

[R2-2305717](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305717.zip) Potential issues for RACH-less HO in NTN Lenovo discussion Rel-18

[R2-2305883](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305883.zip) Open Aspects on RACH-less HO in Rel-18 NTN Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305884](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305884.zip) On Common and Conditional Handover Signalling in Rel-18 NTN Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305936](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305936.zip) NTN mobility enhancements for RRC\_CONNECTED InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2305937](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305937.zip) Satellite switching without PCI change InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306033](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306033.zip) Discussion on handover enhancements LG Electronics France discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306071](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306071.zip) Remaining issues on RACH-less HO in NTN Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306072](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306072.zip) Discussion on the Common (C)HO configuration Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306122](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306122.zip) Discussion on handover enhancement with common signalling ASUSTeK discussion Rel-18 38.331 NR\_NTN\_enh-Core

[R2-2306123](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306123.zip) Discussion on RACH-less handover for NTN ASUSTeK discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306155](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306155.zip) Signaling optimization on common HO configuration Apple discussion Rel-18 DUMMY

[R2-2306156](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306156.zip) NTN specific handover enhancement Apple discussion Rel-18 DUMMY

[R2-2306296](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306296.zip) Consideration on HO enhancements in NTN ZTE corporation, Sanechips discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306326](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306326.zip) Discussion on NTN Handover Enhancements Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306351](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306351.zip) Discussion on the SMTC and Measurement Gap Enhancements Google Inc. discussion Rel-18 [R2-2300514](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2300514.zip)

[R2-2306370](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306370.zip) Discussion on handover enhancements Sharp discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306453](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306453.zip) NTN-NTN handover enhancements Sequans Communications discussion Rel-18 NR\_NTN\_enh-Core R2-2304134

[R2-2306465](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306465.zip) Handover enhancements Ericsson discussion Rel-18 NR\_NTN\_enh-Core

[R2-2306517](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306517.zip) “Unchanged PCI” solution vs “PCI change only” solution Sequans Communications discussion Rel-18 NR\_NTN\_enh-Core R2-2304147

## 7.8 NR support for UAV

(NR\_UAV -Core; leading WG: RAN2; REL-18; WID: RP-223545)

Time budget: 1 TU

Tdoc Limitation: 4

### 7.8.1 Organizational

*Stage 2 running CR expected as input to this meeting*

[R2-2305885](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305885.zip) Uncrewed Aerial Vehicles in Rel-18 - Updated Workplan Nokia, Nokia Shanghai Bell Work Plan Rel-18 NR\_UAV-Core

[R2-2305886](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305886.zip) Stage-2 Text Proposal for Rel-18 UAVs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

### 7.8.2 Measurement reporting for mobility and interference control

Contributions should focus on further details related enhancement to measurement reports taking into account agreements made in RAN2#121bis-e

[R2-2305056](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305056.zip) Measurement and reporting enhancements Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2305143](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305143.zip) On Height-dependent Measurement Report Configuration for UAVs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2305144](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305144.zip) On Interference Reporting for UAVs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2305302](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305302.zip) Discussion on Measurement Reports Enhancements NEC Europe Ltd discussion Rel-18 LTE\_UAV\_enh-Core

[R2-2305429](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305429.zip) Discussion on measurement reporting enhancement for NR UAV vivo discussion Rel-18 NR\_UAV-Core

[R2-2305600](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305600.zip) Discussion on Measurement Reporting for NR UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2305691](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305691.zip) Discussion on height dependent measurement for NR UAV Lenovo discussion Rel-18

[R2-2305868](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305868.zip) UAV measurement reports Ericsson discussion Rel-18 NR\_UAV-Core

[R2-2306046](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306046.zip) Remaining issues on measurement reporting enhancements in NR UAV Samsung Electronics Austria discussion Rel-18 NR\_UAV-Core

[R2-2306053](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306053.zip) Discussion on measurement reporting for NR UAV Sharp discussion

[R2-2306135](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306135.zip) Discussion on measurement reporting for NR UAV Xiaomi discussion Rel-18 NR\_UAV-Core

[R2-2306171](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306171.zip) Measurement reporting enhancement in UAV Apple discussion Rel-18 NR\_UAV

[R2-2306215](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306215.zip) Measurement report enhancement for UAV Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2306288](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306288.zip) Measurement Report Enhancement LG Electronics discussion Rel-18

[R2-2306337](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306337.zip) Measurement reporting enhancements for NR UAV China Telecom Corporation Ltd. discussion Revised

[R2-2306458](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306458.zip) Further discussion on NR support for UAV NTT DOCOMO, INC. discussion

[R2-2306490](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306490.zip) Measurement reporting enhancement in NR UAV ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2306491](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306491.zip) Height-dependent measurement configuration ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2306529](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306529.zip) Measurement reporting for mobility and interference control China Telecom discussion [R2-2306337](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306337.zip)

### 7.8.3 Flight path reporting

*Contributions on enhancements to flight path reporting*

[R2-2305109](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305109.zip) Delta reporting of flight path plan Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2305304](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305304.zip) Discussion on Flight Path Reporting NEC Europe Ltd discussion Rel-18 LTE\_UAV\_enh-Core R2-2303105

[R2-2305430](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305430.zip) discussion on Flight path reporting vivo discussion Rel-18 NR\_UAV-Core

[R2-2305544](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305544.zip) UAV Flight Path Reporting Ericsson España S.A. discussion Rel-18

[R2-2305601](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305601.zip) Discussion on Flight path Reporting CMCC discussion Rel-18 NR\_UAV-Core

[R2-2305692](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305692.zip) Remaining issues of flight path reporting for NR UAV Lenovo discussion Rel-18

[R2-2305887](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305887.zip) Further Details on Flight Path Plan (FPP) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2305938](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305938.zip) Flightpath update notification for UAV InterDigital discussion Rel-18 NR\_UAV-Core

[R2-2305939](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305939.zip) Flightpath reporting for UAV InterDigital discussion Rel-18 NR\_UAV-Core

[R2-2306054](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306054.zip) Discussion on flight path reporting for NR UAV Sharp discussion

[R2-2306124](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306124.zip) Discussion on triggering of flight path report ASUSTeK discussion Rel-18 NR\_UAV-Core

[R2-2306136](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306136.zip) Discussion on flight path reporting for NR UAV Xiaomi discussion Rel-18 NR\_UAV-Core

[R2-2306170](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306170.zip) Flight path reporting in UAV Apple discussion Rel-18 NR\_UAV

[R2-2306216](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306216.zip) Discussion on flight path reporting Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2306236](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306236.zip) Leftover Issue on Flight Path Reporting CATT discussion Rel-18 NR\_UAV-Core

[R2-2306241](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306241.zip) Consideration on flight path reporting for NR UAV DENSO CORPORATION discussion NR\_UAV-Core

[R2-2306289](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306289.zip) Flight Path Information Report LG Electronics discussion Rel-18

[R2-2306338](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306338.zip) Flight path reporting enhancements for NR UAV China Telecom Corporation Ltd. discussion

[R2-2306449](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306449.zip) Discussion on flight path reporting Samsung discussion Rel-18 NR\_UAV-Core

[R2-2306492](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306492.zip) On flight path reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

### 7.8.4 Subscription-based aerial-UE identification

Contributions should focus on signaling required to support subscription-based aerial-UE identification

Note: Work done in LTE is a starting point for this objective. NR-specific enhancements can be considered, if needed, while overall the LTE and NR solutions should be harmonized as much as possible.

[R2-2305431](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305431.zip) discussion on Subscription-based aerial-UE identification vivo discussion Rel-18 NR\_UAV-Core

[R2-2305545](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305545.zip) Subscription-Based Aerial UEs Identification Ericsson España S.A discussion Rel-18 NR\_UAV-Core R2-2302906

[R2-2305602](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305602.zip) Subscription-based aerial-UE identification for NR UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2306030](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306030.zip) Subscription-based Aerial-UE Identification in NR Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2306048](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306048.zip) Discussion on subscription-based aerial-UE identification for NR UAV Samsung Electronics Austria discussion Rel-18 NR\_UAV-Core

[R2-2306217](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306217.zip) Consideration on subscription-based UAV identification Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2306424](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306424.zip) UAV Subscription and Identification Beijing Xiaomi Mobile Software discussion Rel-18 NR\_UAV-Core

### 7.8.5 UAV identification broadcast

UAV identification broadcast using PC5-U will be treated with higher priority. Contributions analysing the gap for supporting DAA using the same framework as BRID can be submitted.

[R2-2305110](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305110.zip) Remaining aspects of PC5-based BRID and DAA support Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core, LTE\_UAV\_enh-Core

[R2-2305306](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305306.zip) Considerations on Enhancements for UAV identification broadcast NEC Europe Ltd discussion Rel-18 LTE\_UAV\_enh-Core

R2-2305432 discussion on UAV identification broadcast vivo discussion Rel-18 NR\_UAV-Core Withdrawn

[R2-2305546](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305546.zip) UAV Broadcast Identification Ericsson España S.A. discussion Rel-18

[R2-2305603](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305603.zip) UAV identification broadcast CMCC discussion Rel-18 NR\_UAV-Core

[R2-2305693](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305693.zip) Discussion on broadcasting remote id for UAV Lenovo discussion Rel-18

[R2-2305742](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305742.zip) Resource configuration for UAV ID broadcast Samsung discussion Rel-18 NR\_UAV-Core

[R2-2305888](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305888.zip) On How To Ensure QoS for PC5-based BRID and DAA Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2306218](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306218.zip) Discussion on UAV remote identification broadcast Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2306425](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306425.zip) NR UAV BRID broadcast over PC5 Beijing Xiaomi Mobile Software discussion Rel-18 NR\_UAV-Core Late

[R2-2306493](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306493.zip) On UAV identification broadcast ZTE Corporation, Sanechips 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)

Time budget: 1.5 TU

Tdoc Limitation: 4 tdocs

### 7.9.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2304617](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304617.zip) Reply LS on comparison of SL-RSRP and SD-RSRP measurements (R1-2304211; contact: Nokia) RAN1 LS in Rel-18 NR\_SL\_relay\_enh-Core To:RAN2 Cc:RAN4

[R2-2304637](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304637.zip) LS on Comparison of SL-RSRP and SD-RSRP measurements (R4-2306366; contact: Nokia) RAN4 LS in Rel-18 NR\_SL\_relay\_enh To:RAN2 Cc:RAN1

[R2-2304646](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304646.zip) LS on ProSe Authorization information related to UE-to-UE Relay operation to NG-RAN (S2-2207518; contact: LGE) SA2 LS in Rel-18 FS\_5G\_ProSe\_Ph2, NR\_SL\_relay\_enh To:RAN2, RAN3

[R2-2304652](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304652.zip) Reply LS on 5G ProSe Layer-2 UE-to-UE Relay QoS enforcement (S2-2305915; contact: Qualcomm) SA2 LS in Rel-18 5G\_ProSe\_Ph2 To:RAN2

[R2-2305207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305207.zip) Draft running CR 38.300 (initial) LG Electronics France draftCR Rel-18 38.300 17.4.0 B NR\_SL\_relay-Core

=> Revised in [R2-2306554](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306554.zip)

[R2-2306554](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306554.zip) Draft running CR 38.300 (initial) LG Electronics France draftCR Rel-18 38.300 17.4.0 B NR\_SL\_relay-Core

Withdrawn

R2-2305208 Draft running CR 38.300 (update) LG Electronics France draftCR Rel-18 38.300 17.4.0 B NR\_SL\_relay-Core Late

### 7.9.2 UE-to-UE relay

Single-hop Layer-2 and Layer-3 UE-to-UE relay for unicast. Including common L2/L3 functionality comprising relay discovery and (re)selection and L2-specific functionality including adaptation layer design, control plane procedures, and QoS handling if needed.

[R2-2304680](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304680.zip) SRAP design and Connection establishment NEC discussion NR\_SL\_relay\_enh-Core

[R2-2304681](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304681.zip) DRAFT LS for Draft LS to RAN3 on Lossless Path Switching for Sidelink Relay NEC LS out Rel-18 NR\_SL\_relay\_enh-Core To:RAN3

[R2-2304754](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304754.zip) Discussion on U2U relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2304957](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304957.zip) Discussion on the adaptation layer Fujitsu discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305043](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305043.zip) Further discussion on U2U Relay ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305062](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305062.zip) Discussion on UE-to-UE Relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305180](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305180.zip) Discovery and Relay Selection for UE-to-UE Relays InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305181](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305181.zip) QoS and Adaptation Layer for UE-to-UE Relays InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305210](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305210.zip) Control plane procedure and adaptaion layer for U2U relay LG Electronics France discussion Rel-18

[R2-2305233](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305233.zip) Discussion on U2U sidelink relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305245](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305245.zip) Discussion on the common L2 L3 parts for U2U relaying vivo discussion

[R2-2305246](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305246.zip) Discussion on the L2 specific parts for U2U relaying vivo discussion

[R2-2305279](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305279.zip) Discussion on U2U Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305519](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305519.zip) UE-to-UE relay (re)selection Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305520](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305520.zip) Discussion on DRX for Sidelink UE to UE Relay Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305547](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305547.zip) Discussion on Relay (re)selection and Discovery Ericsson España S.A. discussion Rel-18

[R2-2305548](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305548.zip) Control Plane Procedures for Layer 2 UE-to-UE Relays Ericsson España S.A. discussion Rel-18

[R2-2305551](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305551.zip) Discussion on UE-to-UE relay Spreadtrum Communications discussion Rel-18

[R2-2305590](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305590.zip) Considerations on U2U relay (re)selection and Local ID assignment Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core R2-2302791

[R2-2305618](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305618.zip) Discussion on U2U relay CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305697](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305697.zip) Discussion on L2 U2U relay Lenovo discussion Rel-18

[R2-2305743](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305743.zip) QoS split and Bearer configuration Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305762](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305762.zip) Layer-2 specific part on U2U Relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2305763](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305763.zip) gNB involvement on U2U relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2305802](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305802.zip) SRAP design for U2U Sidelink Relay Samsung R&D Institute UK discussion

[R2-2305874](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305874.zip) Considerations for U2U L2 relay operations Kyocera discussion

[R2-2306125](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306125.zip) Discussion on aspects of AS layer configuration for L2 U2U Relay ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306126](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306126.zip) Discussion on E2E PC5-RRC configurations ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306191](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306191.zip) Discussion on UE-to-UE relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306378](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306378.zip) Discussion on L2 U2U Relay MediaTek Inc. discussion Rel-18

[R2-2306380](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306380.zip) Remaining issues for U2U relay Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306427](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306427.zip) U2U Relay UE discovery / (re)selection, SRAP, QoS Handling Beijing Xiaomi Mobile Software discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2306555 Summary of AI 7.9.2 on UE-to-UE relay ZTE (Rapporteur) discussion Rel-18 NR\_SL\_relay\_enh-Core

### 7.9.3 Service continuity enhancements for L2 UE-to-network relay

Inter-gNB direct/indirect path switching; intra-gNB indirect/indirect path switching; and inter-gNB indirect/indirect path switching, to be supported by reuse of solutions for the other scenarios.

[R2-2304755](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304755.zip) Discussion on lossless data forwarding for inter-gNB service continuity OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305025](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305025.zip) Discussion on lossless path switching for Sidelink Relay CANON Research Centre France discussion Rel-18

[R2-2305044](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305044.zip) Further discussion on service continuity for SL relay ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305063](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305063.zip) Discussion on Service continuity enhancement of L2 U2N relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305182](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305182.zip) Remaining Issues on Service Continuity InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305209](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305209.zip) SL U2N relay for the service continuity enhancement LG Electronics France discussion Rel-18

[R2-2305217](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305217.zip) Discussion on service continuity enhancement Xiaomi discussion

[R2-2305234](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305234.zip) Discussion on lossless delivery solution for inter-gNB path switching China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305247](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305247.zip) Remaining issues on service continuity enhancement for L2 U2N relay vivo discussion

[R2-2305280](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305280.zip) Further Consideration on Service Continuity Enhancements for L2 U2N Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305419](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305419.zip) Discussion on reply LSs on RSRP issues (R1-2304211 / [R2-2304617](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304617.zip) and R4-2306366 / [R2-2304637](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304637.zip)) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305420](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305420.zip) Discussion on L2 U2N relay service continuity issues for inter-gNB path switch Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305521](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305521.zip) Service continuity enhancements for UE sidelink relay Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305549](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305549.zip) Discussion on Inter-gNB Service Continuity Ericsson España S.A. discussion Rel-18

[R2-2305552](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305552.zip) Service continuity enhancements support for L2 U2N relay Spreadtrum Communications discussion Rel-18

[R2-2305585](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305585.zip) Service Continuity Enhancements and Lossless Data Delivery NEC Corporation discussion NR\_SL\_relay\_enh-Core

[R2-2305619](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305619.zip) Discussion on service continuity CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305761](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305761.zip) Lossless Inter-gNB path switching Lenovo discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305764](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305764.zip) Evaluation and proposals on U3 and U5 Qualcomm Incorporated, OPPO, Xiaomi discussion NR\_SL\_relay\_enh-Core

[R2-2305979](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305979.zip) Discussion on Service Continuity Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306260](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306260.zip) Remaining issues for service continuity MediaTek Inc. discussion Rel-18

[R2-2306374](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306374.zip) Discussion on Event Z2 Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306381](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306381.zip) remaining issues for i2x path switching with lossless delivery Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306383](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306383.zip) Discussion on remaining issues for path switching Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306559](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306559.zip) Summary of AI 7.9.3 on service continuity (vivo) vivo discussion Rel-18 NR\_SL\_relay\_enh-Core

### 7.9.4 Multi-path relaying

Mechanisms to support multi-path scenarios where a UE is connected to the same gNB using one direct path and one indirect path via 1) Layer-2 UE-to-Network relay, or 2) via another UE (where the UE-UE inter-connection is assumed to be ideal). This agenda item will include a rapporteur contribution summarising open issues from RAN2#121 (invited contribution not counted against the tdoc limit).

[R2-2304664](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304664.zip) Discussion on multi-path SL relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2304958](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304958.zip) Discussions on multi-path Fujitsu discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305008](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305008.zip) Discussion sidelink relay enhancement for scenario 1&2 Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305045](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305045.zip) Discussion on the RAN2 impacts of multi-path relaying with CU/DU split architecture ZTE, OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305046](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305046.zip) Further discussion on the support of multi-path relaying ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305064](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305064.zip) Discussion on Multi-path Relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305183](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305183.zip) Design Aspects for Multi-path InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305218](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305218.zip) Discussion on multi-path Xiaomi discussion

[R2-2305232](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305232.zip) Discussion on the mode 1 RA issue under multi-path scenario NEC, Nokia,OPPO,ZTE,Huawei, HiSilicon, Sharp, Samsung, Philips, MediaTek discussion NR\_SL\_relay\_enh-Core

[R2-2305235](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305235.zip) Discussion on remaining issues of multi-path relaying China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305248](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305248.zip) Remaining Issues for Multi-path Scenario-1 and Scenario-2 vivo discussion

[R2-2305281](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305281.zip) Discussion on Multi-path Scenario 1 CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305282](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305282.zip) Leftover issues on Multi-path scenario2 CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305522.zip) Multi-path relaying discussion Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2305550](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305550.zip) Discussion on Multipath Relays Ericsson España S.A. discussion Rel-18

[R2-2305553](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305553.zip) Discussion on multi-path relaying Spreadtrum Communications discussion Rel-18

[R2-2305586](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305586.zip) Discussion on Multi-path Relaying NEC Corporation discussion NR\_SL\_relay\_enh-Core

[R2-2305620](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305620.zip) Discussion on multi-path scenario 1 CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305621](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305621.zip) Considerations on multi-path scenario 2 CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305698](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305698.zip) Procedure for second path addition Lenovo discussion Rel-18

[R2-2305765](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305765.zip) Address controversial issues on multi-path relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2305873](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305873.zip) Considerations for multipath relay operations for Scenario 1 Kyocera discussion

[R2-2305945](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305945.zip) Discussion on Multi-path relaying Lenovo discussion NR\_SL\_relay\_enh-Core

[R2-2306127](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306127.zip) Resource allocation and BSR reporting for multi-path ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306192](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306192.zip) Remaining issues on multi-path operation Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306310](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306310.zip) Discussion on multi-path scenario 1 III discussion NR\_SL\_relay\_enh-Core

[R2-2306313](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306313.zip) Multipath SL relay Nokia, Nokia Shanghai Bell discussion

[R2-2306355](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306355.zip) Multi-path relaying for NR sidelink relay enhancements LG Electronics France discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306382](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306382.zip) Remaining issues for multi-path relay Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2306445](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306445.zip) Discussion on Multipath MediaTek Inc. discussion Rel-18

[R2-2306497](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306497.zip) About Throughput Enhancements in Sidelink Multi-Path Relaying Fraunhofer IIS, Fraunhofer HHI discussion Rel-18 NR\_SL\_relay\_enh

[R2-2306556](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306556.zip) Discussion on multi-path SL relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

### 7.9.5 DRX

Study the gains and, if needed, specify signalling between gNB and relay UE in sidelink mode 2 to assist the determination of the sidelink DRX configuration used for remote UE. This agenda item will be handled at lower priority.

[R2-2304756](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304756.zip) Discussion on DRX for L2 U2N relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305065](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305065.zip) Discussion on SL DRX for L2 UE-to-NW relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2305219](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305219.zip) Discussion on SL DRX in U2N relay Xiaomi discussion

[R2-2305592](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305592.zip) Considerations on paging for sidelink relay Nokia, Nokia Shanghai Bell discussion NR\_SL\_relay\_enh-Core

[R2-2306193](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306193.zip) Left issues on sidelink DRX for L2 U2N relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

## 7.10 IDC enhancements for NR and MR-DC

(NR\_IDC\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221281)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 7.10.1 Organizational

LS in. Rapporteur Input, e.g. running CRs;

Including the outcome of email discussion [Post121][655][IDC] Discussion on Leftover issues for IDC (xiaomi).

[R2-2305446](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305446.zip) Introduction of Rel-18 IDC UE capabilities Intel Corporation CR Rel-18 38.306 17.4.0 0915 - B NR\_IDC\_enh-Core R2-2302979

[R2-2305447](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305447.zip) Introcution of Rel-18 IDC UE capabilities Intel Corporation CR Rel-18 38.331 17.4.0 4106 - B NR\_IDC\_enh-Core R2-2302980

[R2-2305578](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305578.zip) 38.331 running CR for introduction of IDC Xiaomi draftCR Rel-18 38.331 17.4.0 NR\_IDC\_enh-Core

[R2-2305579](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305579.zip) Draft LS on autonomous denial Xiaomi LS out Rel-18 NR\_IDC\_enh-Core To:RAN4

[R2-2305580](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305580.zip) Summary of [Post121][655][IDC] Discussion on Leftover issues for IDC Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305995](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305995.zip) Introduction of In-Device Co-existence (IDC) enhancements for NR Huawei, HiSilicon CR Rel-18 38.300 17.4.0 0680 - B NR\_IDC\_enh-Core

[R2-2306304](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306304.zip) 37.340 Running CR for Introduction of IDC ZTE Corporation, Sanechips draftCR Rel-18 37.340 17.4.0 B NR\_IDC\_enh-Core R2-2303884

### 7.10.2 FDM solution enhancements

Leftover issues and issues identified for running CRs on FDM solutions.

[R2-2305009](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305009.zip) Discussion on inter-node coordination for IDC Samsung discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305034](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305034.zip) More granular FDM indications Ericsson discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305035](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305035.zip) IDC configuration and report in MR-DC Ericsson discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305124](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305124.zip) FDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

[R2-2305452](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305452.zip) Open issues of FDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305581](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305581.zip) Remaining issues for FDM Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305976](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305976.zip) Discussion on inter-node coordination issue for NR IDC Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305977](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305977.zip) Leftover issues for FDM solution enhancement for NR IDC Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2305978](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305978.zip) Discussion on the handling IDC issue during the SDT procedure Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306210](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306210.zip) Discussion on the leftover issue for IDC FDM Solution vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306305](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306305.zip) Remaining Issues on the FDM solution enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306307](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306307.zip) Further Consideration on the NR-DC IMD Interference Reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306364](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306364.zip) Common FDM and TDM aspects Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306366](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306366.zip) Autonomous Denial Aspects Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

### 7.10.3 TDM solution

Leftover issues and issues identified for running CRs on TDM solutions.

Note, common issues for FDM and TDM (e.g. inter-node coordination, independent configuration of FDM and TDM, etc) should be submitted under agenda item 7.10.2.

[R2-2305125](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305125.zip) TDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

R2-2305453 Open issues of TDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_enh-Core Withdrawn

[R2-2305582](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305582.zip) Remaining issues for TDM solutions Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306173](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306173.zip) Leftover autonomous denial operation issues in IDC Apple discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306211](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306211.zip) Discussion on the leftover issue for IDC TDM Solution vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306306](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306306.zip) Remaining Issues on the TDM solution enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

[R2-2306365](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306365.zip) Interference direction for TDM Assistance Information for IDC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

### 7.10.4 UE capabilities

Including impact to TS 38.306 and TS 38.331.

[R2-2305126](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305126.zip) IDC UE Capabilities Qualcomm Incorporated discussion Rel-18

[R2-2306212](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306212.zip) Discussion on IDC UE Capabilities vivo discussion Rel-18 NR\_IDC\_enh-Core

## 7.11 Enhancements of NR Multicast and Broadcast Services

(NR\_MBS\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221458)

Time budget: 0.75 TU

Tdoc Limitation: 2 tdocs

### 7.11.1 Organizational

LS in, rapporteur input, running CRs etc.

[R2-2304819](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304819.zip) RRC running CR for eMBS Huawei, HiSilicon draftCR Rel-18 38.331 17.4.0 B NR\_MBS\_enh-Core R2-2303971

[R2-2305631](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305631.zip) 38.300 Running CR for MBS enhancements CMCC draftCR Rel-18 38.300 17.4.0 B NR\_MBS\_enh-Core

[R2-2306157](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306157.zip) MAC running CR for eMBS Apple draftCR Rel-18 38.321 17.4.0 NR\_MBS\_enh-Core

### 7.11.2 Multicast reception in RRC\_INACTIVE

Objective: Specify support of multicast reception by UEs in RRC\_INACTIVE state [RAN2, RAN3], PTM configuration for UEs receiving multicast in RRC\_INACTIVE state [RAN2]. Study the impact of mobility and state transition for UEs receiving multicast in RRC\_INACTIVE. (Seamless/lossless mobility is not required) [RAN2, RAN3].

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

Further details of PTM configuration, service continuity, notifications and RRC state transitions handling including:

- FFS whether the network can provide PTM configuration for intra-gNB cells

- PTM configuration structure (message, parameters etc.)

- service continuity during mobility and state transitions

- notifications/group paging enhancements due to session activation/deactivation or due to Inactive mutlicast reception on/off

- MCCH change notification vs. (group) Paging for different cases

- details of frequency prioritization and multicast NCL

[R2-2304700](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304700.zip) Discussion on eMBS from the CP Perspective vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304728](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304728.zip) Control plane discussion for multicast reception in RRC INACTIVE MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304774](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304774.zip) CP Issues of Multicast Reception in RRC\_INACTIVE CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304820](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304820.zip) Multicast reception for RRC\_INACTIVE UE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304933](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304933.zip) Consideration on the control plane issue for multicast reception in RRC\_INACTIVE Beijing Xiaomi Software Tech discussion Rel-18

[R2-2304985](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304985.zip) Discussion on control plane for Multicast reception in RRC\_INACTIVE NEC Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305184](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305184.zip) Service continuity, RRC state transitions and notifications Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305379](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305379.zip) Discussion for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

R2-2305387 Discussion on security issue with multicast MCCH CANON Research Centre France discussion Rel-18 NR\_MBS\_enh-Core Withdrawn

[R2-2305475](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305475.zip) Control plane for multicast reception in RRC\_INACTIVE state TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2305477](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305477.zip) PTM configuration for multicast reception in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18

[R2-2305478](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305478.zip) Multicast activationdeactivation notification and RRC state transitions LG Electronics Inc. discussion Rel-18

[R2-2305572](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305572.zip) Discussion on Service Continuity and RRC state transitions Spreadtrum Communications discussion Rel-18

[R2-2305632](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305632.zip) Discussion on multicast reception in RRC\_INACTIVE CP issues CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305699](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305699.zip) Discussion on PTM Configuration and Session Status Change Lenovo discussion Rel-18

[R2-2305700](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305700.zip) Discussion on Mobility and RRC State Transition Lenovo discussion Rel-18

[R2-2305786](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305786.zip) CP aspects for Multicast reception in RRC\_INACTIVE Samsung R&D Institute India discussion Rel-18

[R2-2305817](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305817.zip) Transition to CONNECTED to ensure the reliability for an MBS session Interdigital Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305916](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305916.zip) Multicast reception in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305917](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305917.zip) MBS multicast and UE power saving Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2306047](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306047.zip) Notification of Multicast session deactivation/temporary no data in enhanced group paging message SHARP Corporation discussion

[R2-2306049](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306049.zip) RRC Resume for Multicast in RRC\_INACTIVE SHARP Corporation discussion

[R2-2306147](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306147.zip) Control plane aspects on multicast reception in RRC INACTIVE Kyocera discussion Rel-18 R2-2303271

[R2-2306158](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306158.zip) CP issues on multicast reception in RRC\_INACTIVE Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2306321](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306321.zip) Control plane aspects for multicast reception in RRC\_INACTIVE Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2306363](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306363.zip) PTM configuration and mobility handling Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2306401](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306401.zip) PTM configuration for multicast reception in RRC\_INACTIVE Shanghai Jiao Tong University discussion

#### 7.11.2.2 User plane

Including aspects such as CFR configuration, MAC operation (e.g. DRX, scheduling), L2 operation during state transitions and mobility, identification of PHY layer impacts etc.

This agenda item will not be treated in this meeting

[R2-2305663](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305663.zip) CFR design for Multicast reception in RRC\_INACTIVE ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

### 7.11.3 Shared processing for MBS broadcast and Unicast reception

Objective: Specify Uu signalling enhancements to allow a UE to use shared processing for MBS broadcast and unicast reception, i.e., ‎including UE capability and related assistance information reporting regarding simultaneous unicast reception in RRC\_CONNECTED and MBS broadcast reception from the same or different operators [RAN2]

Including aspects such as:

- Granularity of capability signalling for MBS broadcast reception from non-serving cell

- What additional information and exact parameters should be reported

- Scenarios for UE to report additional info in MII and whether/how network can control when UE should report it

[R2-2304701](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304701.zip) Further Discussion on Shared Processing in eMBS vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MBS\_enh-Core R2-2302671

[R2-2304729](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304729.zip) Discuss on Shared processing for broadcast and unicast reception MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304775](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304775.zip) Remaining issues on Shared Processing CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304821](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304821.zip) Discussion on shared processing for MBS broadcast and unicast reception Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2304888](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304888.zip) Bandwidth signalling and scenarios for shared processing Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core R2-2304060

[R2-2304986](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304986.zip) Discussion on shared process for MBS broadcast and unicast NEC Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305185.zip) Shared processing for MBS broadcast and Unicast reception Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305480](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305480.zip) Simultaneous unicast reception and broadcast reception TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2305502](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305502.zip) Shared processing for simultaneous MBS broadcast and unicast reception Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core R2-2304023

[R2-2305577](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305577.zip) Remaining issues for shared processing of MBS Xiaomi discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305633](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305633.zip) Discussion on Shared processing CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305664](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305664.zip) Shared processing for MBS broadcast and unicast reception ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

[R2-2305783](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305783.zip) Shared processing for MBS broadcast and unicast reception Samsung R&D Institute India discussion Rel-18

[R2-2306148](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306148.zip) Shared processing for inter-PLMN MBS broadcast reception Kyocera discussion Rel-18 R2-2303273

[R2-2306159](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306159.zip) Shared processing of MBS broadcast and unicast reception Apple 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-221815)

Time budget: 0.5 TU

Tdoc Limitation: 3 tdocs

### 7.12.1 Organizational

Ls in Rapporteur input etc

[R2-2305154](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305154.zip) Workplan for Rel-18 mobile IAB Qualcomm Inc. (Rapporteur) Work Plan Rel-18 NR\_mobile\_IAB

- QC received comments on CAG

* noted

### 7.12.2 Mobility Enhancements

Enhancements for mobility of an IAB-node together with its served UEs, including aspects related to group mobility. No optimizations for the targeting of surrounding UEs. [RAN3, RAN2]

#### 7.12.2.1 Connected mode

Continue from last meeting: Identify impacts of Conditional HO if any. Determine feasibility of RACH-less HO and the related way forward. Other aspects of Connected mode mobility enhancements.

Handover Enhancements

[R2-2304992](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304992.zip) RACH-less and CHO for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

DISCUSSION

RACH-less

- ZTE think target cells may not even be measured. QC think indeed R3 are thinking about blind HO. HW think we don’t need to think about blind HO from UE point of view. UE can detect the target cell and can report. Acc to legacy procedures the UE can report beam results.

- Chair: IT seems the network can know the beam, either from network impl specific knowledge or from UE measurement report (legacy report).

- CATT think the UE should select the beam.

- Ericsson think there could be F1 RAN3 impact.

- Xiaomi think we need to mention explicit.

- Samsung thinks this is legacy handover with L3 handover command.

* RAN2 think that to have a fast handover from UE point of view for legacy UEs it is important that the target cell is known to the UE (detected and measured).
* For RACH-less, if supported, there would need to be a beam indication (in RRC HO command), which seems feasible in this release from R2 perspective. R2 assumes that the network can know/select the beam, either from network impl specific knowledge or from UE measurement report (legacy report).
* for the UL grant and HO completion in RACH-less HO:

1. Both type-1 configured grant and dynamic grant are supported

2. FFS handling of supervision timer and when HO is considered successfully complete (expect to align with other WI).

* Send LS to RAN3 to check whether there are issues / feasibility concerns

Rapp suggest to discuss the cond HO event T1 that was left FFS

- Chair wonder how the network can know if the UE has access to absolute time.

- LGE think we can mandate that the UE is GNSS capable.

- QC think that non-GNSS UEs can use SIB9.

- CATT think timing may not be so important, this has not been clarified. Nokia think speading out handovers by this mechanism is not needed.

- Chair: it seems the support is limited, and the benefits not so clear. However there is also some support and maybe impact is very low. If time, can maybe revisit (later, not next meeting)

* No conclusion for now
* [AT122][028][mIAB] LS out on RACH-less HO for mIAB (Huawei)

CB

[R2-2306817](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306817.zip) LS on UE RACH-less handover for mobile IAB LS out RAN2

* Approved (this is the final version)

[R2-2306149](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306149.zip) Details of connected mode mobility enhancements for mobile IAB Kyocera discussion Rel-18

[R2-2306277](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306277.zip) Connected mode mobility enhancements LG Electronics France discussion NR\_mobile\_IAB-Core

[R2-2305498](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305498.zip) Mobile IAB mobility enhancement for connected UEs Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2306357](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306357.zip) Discussion on RACH-less HO for mIAB KDDI Corporation discussion

[R2-2306009](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306009.zip) Issues on supporting RACH-less for mobile IAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305591](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305591.zip) Time-based CHO for mobile IAB SHARP Corporation discussion Rel-18

[R2-2304695](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304695.zip) Discussion on RACH-less HO in R18 NR Xiaomi discussion Rel-18

[R2-2305460](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305460.zip) Discussion on mobility enhancements for mobile IAB NEC Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305026](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305026.zip) Discussion on mobility enhancements for mobile IAB CANON Research Centre France discussion Rel-18

[R2-2305040](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305040.zip) Discussion on mobility enhancement for UE in connected mode ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305053](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305053.zip) Support for RACH-less HO and CHO in mobile IAB Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305096](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305096.zip) CONNECTED mobility enhancement in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305155](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305155.zip) Enhancements for mobile IAB connected mode mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2305240](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305240.zip) Connected mode mobility enhancements for mobile IAB CATT discussion Rel-18 NR\_mobile\_IAB

[R2-2305701](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305701.zip) Mobility enhancements for mobile IAB-node and its connected UE Lenovo discussion Rel-18

[R2-2305993](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305993.zip) CHO for mobile IAB scenario InterDigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2306184](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306184.zip) Discussion on CHO enhancement for mIAB Xiaomi discussion Rel-18

[R2-2306267](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306267.zip) Enhancements for IAB-node mobility and onboard UEs AT&T discussion

[R2-2304768](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304768.zip) Discussion on CHO enhancement for mIAB Xiaomi discussion Rel-18 Withdrawn

[R2-2306755](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306755.zip) Discussion on mIAB connected mode mobility enhancements Samsung Suzhou discussion Rel-18 NR\_mobile\_IAB

On-board Specific

[R2-2305095](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305095.zip) UE on-board status identification and reporting Apple, Huawei, HiSilicon, Lenovo, CATT, InterDigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305818](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305818.zip) Connected mode mobility enhancements for mobile IAB Interdigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core

Revised

[R2-2306488](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306488.zip) Discussion on mIAB connected mode mobility enhancements Samsung Suzhou discussion Rel-18 NR\_mobile\_IAB

#### 7.12.2.2 Idle/Inactive mode

Misc low-complexity enhancements, if any. Continue the discussion on SIB indication to UEs for enhancements of cell reselection, primarily inter-frequency cell reselection. Need to agree on UE behaviour before determining whether to have the SIB indication (potentially lower priority for current meeting).

CAG specific

[R2-2306008](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306008.zip) Consideration of CAG feature for mobile IAB Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

*In the previous sections we made the following observations:*

*Observation 1 It is not clear on whether the CAG functionality agreed by SA2 for mobile IAB apply only to NPN or also to non-NPN.*

*Based on the discussion in the previous sections we propose the following:*

*Proposal 1 RAN2 to reply to the SA2 LS and ask for the following clarifications:*

*a. Whether the CAG functionality applies also to non-NPN scenarios.*

*b. Whether a new set of CAG ID will be specified for mobile IAB.*

DISCUSSION

- QC think there is no major impact in RAN2.

- LGE think SA2 intention is to apply CAG also to non-NPN cell. Think there is impact to RRC for bcast, could have different UE behaviour wrt barring for NPN UE vs non-NPN, and will impact UE capability. Ericsson confirms

- Intel agrees w Ericsson that we can send LS to SA2.

- HW think it is clear that CAG + NPN is agreed for this scenario.

* [AT122][029][mIAB] CAG – NPN (Ericsson )

CB, converge to common view on the status and whether something need to be clarified by SA2. Include LS out if it seems potentially needed (and we decide online). IF applicable determine and describe in text the expected RAN2 impact.

Ericsson reports that there is diverging views on what SA2 has decided, propose to send an LS and ask whether this is both for NPN and non-NPN mIAB cell, and Ask whether CAG ID should be handled differently for mIAB and fixed network.

[R2-2306874](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306874.zip) LS on CAG solution for mobile IAB Ericsson LS out

- QC think that Q1 should be more specific. Samsung think we can explain current mechanism. Huawei think we should just ask the intention, HW think we should not ask SA2 to do more work. Nokia agrees this is confusing in SA2 and think this need to be asked. QC and LG think SA2 intention is to use legacy mechanism.

- QC think that Q2 is not needed. HW agrees.

* We will send LS, will just ask SA2 to provide more details using CAG for mIAB, in order to determine AS impacts, if any.
* CB in R2-2306895

R2-2306895 LS on CAG solution for mobile IAB Ericsson LS out

General

[R2-2305499](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305499.zip) UE cell (re)selection towards mobile IAB cell Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

DISCUSSION P3

- QC asks what is the scenario.

- Intel think that a UE has high mobility state, meaning that he is not on the mobility IAB cell already.

- Intel think no signalling is needed for a UE to understand that he is on-board ..

- Xiaomi are wondering about the scenario.

- CATT think it is important to help the UE stay on the mIAB cell. Intel assumes this is done by current cell res parameters. ZTE agrees, and think that a UE should not look for other freq. LG agrees and think that the mobility state is not needed. Sony also agrees and think for inbund mobility we can discuss more ..

* R2 considers that UEs can use the mIAB-cell indication, to prioritize (cell and/or freq) when the UE is camped on the mIAB cell, and FFS to prioritize when the UE is not yet camped on the mIAB cell. FFS if it can be specified the detailed condition for when to apply such prioritization (for either case), RAN2 considers condition based on cell dwelling timer or Mobility state.
* [AT122][033][mIAB] Usage of the mIAB cell indication (Intel)

Scope: clarify further, if possible narrow the scope even more. Identify the points for decision (for next meeting).

CB at available CB occasion

[R2-2306871](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306871.zip) Summary of [AT122][033][mIAB] Usage of the mIAB cell indication Intel Corporation

DISCUSSION

- Samsung think Problem 1 is not serious but Problem 2 is valid. Chair think we don’t need to make final decisions now, a direction is good enough, and much better than we had.

* R2 direction (solution agreements at later stage, no other directions will be considered):

RAN2 acknowledges following two problems to be addressed for idle/inactive UEs:

- Problem 1: For a UE that is physically on a moving vehicle but not camped on its mobile IAB-cell yet (i.e. the UE is camped on a stationary cell), how to help such UE(s) to identify a neighbour mobile IAB-cell, prioritize mobile IAB-cell (frequency and cell) and to be “pulled” into this mobile IAB-cell, especially for inter-frequency scenario where the mobile IAB-cell’s frequency priority is low.

- Problem 2: After the UE physically on a moving vehicle is camped on the mobile IAB cell, how to avoid it reselecting other non-mIAB-(stationary) cells.

- Such UE may prioritize a highest ranked cell at a frequency, if it broadcasts a mIAB-cell type indicator in SIB1 for cell reselection. UE may use the SIB4 assistance information to identify the presence of such mobile IAB-cell(s), if broadcasted. A SIB4 assistance information may include mIAB-cell frequencies. FFS on stage-2/3 to clarify the UE in problem 1 and 2.

[R2-2306278](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306278.zip) Access restriction during migration and cell reselection enhancement LG Electronics France discussion NR\_mobile\_IAB-Core

[R2-2305054](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305054.zip) Autonomous search for mobile IAB cells Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2304797](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304797.zip) Discussion on cell reselection in mIAB Xiaomi discussion Rel-18

[R2-2304993](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304993.zip) Idle/Inactive mode UE mobility enhancement for mobile IAB Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305041](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305041.zip) Discussion on mobility enhancement for UE in idle or inactive mode ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305097](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305097.zip) Discussion on IDLE/INACTIVE UE mobility enhancement Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305156](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305156.zip) Enhancements for mobile IAB idle and inactive mode mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2305241](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305241.zip) Idle mode mobility enhancement for mobile IAB CATT discussion Rel-18 NR\_mobile\_IAB

[R2-2305523](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305523.zip) Mobile IAB cell indication to UE behaviour Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2305659](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305659.zip) UE prioritization in cell reselection for mobile-IAB cells SHARP Corporation discussion Rel-18 R2-2302883

[R2-2305819](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305819.zip) IDLE/INACTIVE mobility enhancements for mobile IAB Interdigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2306007](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306007.zip) Behaviour for IDLE mode UEs under a mIAB node Ericsson discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2306138](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306138.zip) Discussion on the cell reselection and cell type indication aspects Samsung R&D Institute UK discussion

[R2-2306150](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306150.zip) IDLE/INACTIVE mode mobility enhancements for mobile IAB Kyocera discussion Rel-18 R2-2303274

[R2-2306183](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306183.zip) Mobile IAB remaining issues vivo discussion Rel-18

### 7.12.3 Other

Define Procedures for migration/topology adaptation to enable IAB-node mobility, including inter-donor migration of the entire mobile IAB-node (full migration) [RAN3, RAN2]. Mitigation of interference due to IAB-node mobility, including the avoidance of potential reference and control signal collisions (e.g. PCI, RACH). [RAN3, RAN2].

BAP

[R2-2304994](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304994.zip) BAP impacts and RANAC issues Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305055](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305055.zip) Mobile IAB BAP configuration issues Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2306317](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306317.zip) Remaining BAP issues on full migration LG Electronics Inc. discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305702](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305702.zip) Discussion on BAP related issues for mobile IAB Lenovo discussion Rel-18

* 4 discussion docs Noted
* [AT122][030][mIAB] BAP impacts (HW)

CB (if needed)

[R2-2306818](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306818.zip) Summary of [AT122][030][mIAB] BAP impacts Huawei, HiSilicon

No discussion needed.

* P1a: RAN2 assumes that there is no need to introduce logical-DU-specific default BAP configuration in mobile IAB from RAN2 perspective, unless requested by RAN3 otherwise (no LS for now).
* P1b: RAN2 understands that the F1AP (re)configured BAP configuration to one DU will not impact/override the usage of default BAP configuration by another DU.
* P2: RAN2 assumes there may be redundant BAP configuration entries for non-F1-U traffic and it is up to IAB node's implementation to decide which entry is selected. FFS if there is any specification impact.

TAC RANAC

[R2-2305500](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305500.zip) TAC/RANAC update of mobile IAB-node Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2305042](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305042.zip) Discussion on Miscellaneous issues for mobile IAB node ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

* Both Noted wo presentation

Brief discussion TAC RANAC

- Chair think we can come back to this topic if RAN2 TS impact is suggested / identified, or if other group asks explicit questions.

PCI collision

[R2-2305524](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305524.zip) PCI collision in mobile IAB Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2305801](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305801.zip) Interference mitigation and PCI collision Samsung R&D Institute UK discussion

## 7.13 Further enhancement of data collection for SON MDT in NR and EN-DC

(NR\_ENDC\_SON\_MDT\_enh2-Core; leading WG: RAN3; REL-18; WID: RP-221825)

Includes LS in’s related to AI/ML for NG-RAN

Time budget: 1 TU

Tdoc Limitation: 6 tdocs

### 7.13.1 Organizational

Ls in Rapporteur input.

[R2-2304622](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304622.zip) LS on MRO for CPC and CPA and fast MCG recovery (R3-230992; contact: Huawei) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

[R2-2304628](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304628.zip) LS on potential override of logged MDT reports upon moving from SNPN to PLMN (R3-232118; contact: Ericsson) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

[R2-2304630](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304630.zip) LS on intra-system inter-RAT SHR and SPR (R3-232140; contact: Huawei) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

[R2-2304631](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304631.zip) Reply LS on RACH enhancement for R18 SONMDT (R3-232144; contact: Huawei) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

[R2-2304656](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304656.zip) Reply LS on user consent of Non-public Network (S3-231399; contact: Vodafone) SA3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN3 Cc:RAN2, SA5

[R2-2305986](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305986.zip) Running CR for Rel-18 SON MRO Ericsson discussion Rel-18 38.331 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306100](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306100.zip) Discussion on RAN2 impacts due to the LS R3-232144 Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306290](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306290.zip) Discussion on RAN2 impacts due to the LS R3-232140 Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306452](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306452.zip) Summary of AI 7.13.5 SON for NR-U (Ericsson) Ericsson discussion

[R2-2306530](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306530.zip) Running 36.331 CR for SN RACH report ZTE Corporation, Sanechips draftCR Rel-18 36.331 17.4.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306531](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306531.zip) Running 38.331 CR for RACH report ZTE Corporation, Sanechips draftCR Rel-18 38.331 17.4.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2306558 Open issues and proposals on AI 7.13.5 SON for NR-U (Ericsson) Ericsson discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306753](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306753.zip) Running 38.331 CR for logged MDT enhancements and NPN Huawei, HiSilicon draftCR Rel-18 38.331 17.4.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306754](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306754.zip) Running 36.331 CR for logged MDT enhancements and NPN Huawei, HiSilicon draftCR Rel-18 36.331 17.4.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.2 MRO for inter-system handover for voice fallback

[R2-2305483](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305483.zip) Further Consideration on Inter-system Handover for Voice Fallback CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2305678 MRO for inter-system handover for voice fallback Samsung R&D Institute India discussion Withdrawn

[R2-2305703](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305703.zip) MRO for inter-system handover for voice fallback Lenovo discussion Rel-18

[R2-2305722](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305722.zip) MRO for inter-system handover for voice fallback Samsung R&D Institute India discussion

[R2-2305778](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305778.zip) Further consideration on voice fallback CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305987](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305987.zip) Mobility Robustness Optimization – all topics Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306042](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306042.zip) Data collection for MRO for inter-system handover for voice fallback Qualcomm Incorporated discussion Rel-18

[R2-2306245](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306245.zip) Consideration on MRO for inter-system handover for voice fallback ZTE Corporation, Sanechips discussion Rel-18

[R2-2306291](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306291.zip) Discussion on MRO for inter-system handover for voice fallback Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306455](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306455.zip) Discussion on inter-system HO for voice fallback NTT DOCOMO, INC. discussion

### 7.13.3 MDT override

[R2-2304932](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304932.zip) Considerations on MDT override enhancement for E-UTRAN Beijing Xiaomi Software Tech discussion Rel-18

[R2-2305273](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305273.zip) Discussion on MDT override protection LG Electronics discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305421](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305421.zip) Signalling based logged MDT override protection Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305988](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305988.zip) MDT enhancements Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.4 SHR and SPCR

[R2-2305324](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305324.zip) Remaining issues on SPR vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2305422](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305422.zip) Discussion on SON for inter-RAT SHR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305423](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305423.zip) SPR and SHR related enhancements Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305484](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305484.zip) Further discussion on inter-RAT SHR and SPR CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2305617 SON enhancement for SPR CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core Withdrawn

[R2-2305667](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305667.zip) SON/MDT enhancements for SHR and SPR Samsung R&D Institute India discussion

[R2-2305704](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305704.zip) Discussion on Successful Handover Report Lenovo discussion Rel-18

[R2-2305705](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305705.zip) SON enhancements for SPR Lenovo discussion Rel-18

[R2-2306204](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306204.zip) SON enhancement for SPR SHARP Corporation discussion

[R2-2306246](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306246.zip) Remaining issues on SHR and SPCR ZTE Corporation, Sanechips discussion Rel-18

[R2-2306292](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306292.zip) Discussion on SHR and SPR Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306462](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306462.zip) Discussion on SPR NTT DOCOMO, INC. discussion

R2-2306752 Pre-meeting summary of 7.13.4 Huawei discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.5 SON for NR-U

Focus on UE impacts. RAN2/RAN3 progress should be considered.

[R2-2305424](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305424.zip) Discussion on SON for NR-U Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305485](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305485.zip) SON Enhancement for NR-U CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305658](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305658.zip) SON/MDT enhancements for NR-U Samsung R&D Institute India discussion

[R2-2305706](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305706.zip) Discussion on MRO for NR-U Lenovo discussion Rel-18

[R2-2305728](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305728.zip) Discussion on SON for NR-U Xiaomi discussion Rel-18

[R2-2305777](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305777.zip) SONMDT enhancement for NR-U CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306043](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306043.zip) Discussion on NR-U Related Enhancements Qualcomm Incorporated discussion Rel-18

[R2-2306101](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306101.zip) Discussion on SON for NR-U Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306247](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306247.zip) Consideration on NR-U related SON ZTE Corporation, Sanechips discussion Rel-18

[R2-2306450](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306450.zip) Enhancements of SON reports for NR-U Ericsson discussion

R2-2306557 Summary of AI 7.13.5 SON for NR-U (Ericsson) Ericsson discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.6 RACH enhancement

[R2-2304930](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304930.zip) Consideration on the SON enhancements for RACH report Beijing Xiaomi Software Tech discussion Rel-18

[R2-2305070](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305070.zip) SON enhancements for RACH Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305425](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305425.zip) Discussion on RACH enhancement for SON Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305486](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305486.zip) RACH enhancement for SON CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305616](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305616.zip) Further considerations on RACH Enhancement CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2305660 SON/MDT enhancements for RACH Samsung R&D Institute India discussion Withdrawn

[R2-2305661](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305661.zip) SON/MDT enhancements for RACH Samsung R&D Institute India discussion

[R2-2305989](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305989.zip) RA report enhancement Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306102](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306102.zip) Discussion on RACH enhancement Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306207.zip) SON enhancement for RA report SHARP Corporation discussion R2-2303829

[R2-2306248](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306248.zip) Consideration on RACH enhancements ZTE Corporation, Sanechips discussion Rel-18

[R2-2306339](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306339.zip) Further Discussion on RACH enhancements for SON China Telecom Corporation Ltd. discussion

### 7.13.7 SON/MDT enhancements for Non-Public Networks

[R2-2304931](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304931.zip) Discussion on the SONMDT enhancement for NPN Beijing Xiaomi Software Tech discussion Rel-18

[R2-2305325](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305325.zip) Discussion on SON enhancements for NPN vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2305426](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305426.zip) Discussion on NP related issues in SON/MDT Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305487](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305487.zip) SON and MDT Enhancement for NPN CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305647](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305647.zip) SON/MDT enhancements for NPN Samsung R&D Institute India discussion

[R2-2305990](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305990.zip) SON support for NPN Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306249](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306249.zip) Consideration on SON-MDT support for NPN ZTE Corporation, Sanechips discussion Rel-18

[R2-2306293](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306293.zip) Discussion on SONMDT enhancements for NPN Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306358](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306358.zip) Discussion on the “LS on potential override of logged MDT reports upon moving from SNPN to PLMN” from RAN3 (R3-232118) Beijing Xiaomi Software Tech discussion Rel-18

### 7.13.8 Other

[R2-2305326](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305326.zip) Discussion on MRO for CPAC vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2305340](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305340.zip) SON on fast MCG recovery OPPO discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305488](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305488.zip) Discussion on Fast MCG recovery and MHI Enhancement CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305707](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305707.zip) SON enhancements for CPAC Lenovo discussion Rel-18

[R2-2305708](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305708.zip) MRO for fast MCG link recovery Lenovo discussion Rel-18

[R2-2305779](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305779.zip) Further considerations on fast MCG recovery CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305780](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305780.zip) SON MDT enhancement for MR-DC CPAC CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305781](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305781.zip) MHI Enhancement for SCG Activation Deactivation CMCC, Ericsson, CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2305991](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305991.zip) RAN observability issues for DRBs with stringent QoS requirements Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306103](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306103.zip) Discussion on Fast MCG recovery, CPAC and MDT overide Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2306209](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306209.zip) Discussion on failure information for CPAC SHARP Corporation discussion [R2-2301566](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2301566.zip)

[R2-2306219](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306219.zip) MRO for fast MCG recovery SHARP Corporation discussion [R2-2301565](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2301565.zip)

[R2-2306250](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306250.zip) Remaining issues on fast MCG recovery enhancement ZTE Corporation, Sanechips discussion Rel-18

R2-2306390 MRO for Fast MCG Recovery, CPAC and SCGFailureInformation Samsung R&D Institute India discussion Withdrawn

[R2-2306391](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306391.zip) MRO for Fast MCG Recovery, CPAC and SCGFailureInformation Samsung R&D Institute India discussion

[R2-2306456](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306456.zip) Discussion on CPAC failure report NTT DOCOMO, INC. discussion

## 7.14 Enhancement on NR QoE management and optimizations for diverse services

(NR\_QoE\_enh-Core; leading WG: RAN3; REL-18; WID: RP-223488)

Time budget: 0.5 TU

Tdoc Limitation: 3 tdocs

Prioritization of topics TBD based on input tdocs.

### 7.14.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan)

[R2-2304625](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304625.zip) LS on the feasibility of introducing assistance information for handling of QoE reporting during RAN overload (R3-232047; contact: ZTE) RAN3 LS in Rel-18 NR\_QoE\_enh-Core To:SA5 Cc:RAN2

[R2-2304626](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304626.zip) LS on collecting QoE measurements per MBS service area and MBS session ID (R3-232079; contact: Huawei) RAN3 LS in Rel-18 NR\_QoE\_enh-Core To:SA5 Cc:RAN2

[R2-2304658](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304658.zip) Reply LS on buffer level threshold-based RVQoE reporting (S4-230684; contact: Apple) SA4 LS in Rel-18 NR\_QoE\_enh-Core To:RAN2 Cc:RAN3

[R2-2305381](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305381.zip) Running CR for QoE measurements Ericsson draftCR Rel-18 38.331 17.4.0 NR\_QoE\_enh-Core

[R2-2306476](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306476.zip) Revised Work Plan for Rel-18 NR QoE Enhancement China Unicom Work Plan NR\_QoE\_enh-Core

### 7.14.2 QoE measurements in RRC\_IDLE INACTIVE

Including discussion on handling area scope for MBS QoE (i.e. is it done by AS or AL, whether the same mechanism applies for all RRC states, etc.)

Including discussion on AS layer buffer size (e.g. how many values, what is the minimum value).

Including discussion on what AS layer stores in IDLE/INACTIVE and what exactly is sent to AL.

[R2-2305076](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305076.zip) QoE Measurements in IDLE/INACTIVE States Apple discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305077](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305077.zip) [DRAFT] Reply LS on assistance information for handling of QoE reporting upon RAN overload Apple LS out Rel-18 NR\_QoE\_enh-Core To:RAN3

[R2-2305138](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305138.zip) Discussion on support of QoE measurements in RRC\_IDLE and RRC\_INACTIVE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305310](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305310.zip) Discussion on QoE measurement in RRC\_IDLE and RRC\_INACTIVE Samsung discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305382](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305382.zip) QoE measurements in RRC\_INACTIVE and RRC\_IDLE Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305606](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305606.zip) Consideration on QoE measurement in RRC\_IDLE/INACTIVE CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305755](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305755.zip) QoE measurements support in RRC IDLE and INACTIVE Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305766](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305766.zip) Open issues on QoE collection for IDLE and Inactive state Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2305809](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305809.zip) Discussion on QoE measurements for MBS broadcast services Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306107](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306107.zip) Considerations on QoE measurement in IDLE and INACTIVE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306396](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306396.zip) Discussion on QoE measurements in RRC IDLE and INACTIVE state CATT discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.3 Rel-17 leftover topics for QoE

Including discussion on Rel-17 leftover topics as agreed in previous meetings.

[R2-2305015](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305015.zip) Application Layer Measurement Reporting for unlicensed spectrum Samsung Electronics Co., Ltd discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305139](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305139.zip) Discussion on Rel-17 leftover topics for QoE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305362](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305362.zip) Discussion on Rel-17 leftover issues for QoE NEC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305384](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305384.zip) Event based RVQoE reporting Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305756](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305756.zip) Discussion on Rel-17 leftovers Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305811](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305811.zip) Discussion on Rel-17 left-over issues Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306109](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306109.zip) Considerations on Rel-17 leftover issues for QoE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306397](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306397.zip) Discussion on Rel-17 leftover topics for QoE CATT discussion Rel-18 NR\_QoE\_enh-Core

### 7.14.4 Support of QoE measurements for NR-DC

Including discussion on granularity of QoE reporting (e.g. per QoE config or something else)

Including disucssion on how MN knows to corrrectly forward SN-associated QoE reports received via SRB4

Including discussion on how to achieve splitting of QoE configuration identities between MN and SN.

Including discussion on different m-based QoE configurations for MN/SN (pending RAN3 decisions).

[R2-2305078](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305078.zip) Discussions on QoE Reporting for NR-DC Apple discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305311](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305311.zip) Discussion on QoE measurement for NR-DC Samsung discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305383](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305383.zip) QoE measurements in NR-DC Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305479](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305479.zip) Support of QoE measurements for NR-DC LG Electronics Inc. discussion Rel-18

[R2-2305607](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305607.zip) Consideration on QoE measurement for NR-DC CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305757](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305757.zip) Detailed handling of QoE configuration and reporting in NR-DC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2305767](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305767.zip) Open issues to support QoE collection in NR-DC Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2305810](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305810.zip) Discussion on QoE measurements in NR-DC Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306108](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306108.zip) Considerations on QoE measurement for NR-DC ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306398](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306398.zip) Discussion on support of QoE measurement for NR-DC CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2306477](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306477.zip) Discussion on QoE configuration and reporting for NR-DC China Unicom discussion NR\_QoE\_enh-Core

### 7.14.5 Other topics

Including discussion on the continuity of legacy QoE measurement job for streaming and MTSI service during intra-5GC inter-RAT handover process.

Including any other QoE enhancement discussion (e.g. service type aspects).

This agenda item is not treated in this meeting (except for LSs received from other WGs).

## 7.15 NR Sidelink evolution

(NR\_SL\_enh2; leading WG: RAN1; REL-18; WID: RP-230077)

Time budget: 1 TU

Tdoc Limitation: 6 tdocs

### 7.15.1 Organizational

Includes Incoming LS, rapporteur inputs, and stage-2 running CR.

[R2-2304618](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304618.zip) LS on MCSt resource (re-)selection (R1-2304257; contact: OPPO) RAN1 LS in Rel-18 NR\_SL\_enh2-Core To:RAN2

[R2-2304665](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304665.zip) Work plan of R18 SL-Evo OPPO, LG Work Plan Rel-18 NR\_SL\_enh2

[R2-2305179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305179.zip) Stage 2 Running CR of TS 38.300 for SL Evolution InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2306233](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306233.zip) Discussion on R1 LS on MCSt OPPO discussion Rel-18 NR\_SL\_enh2

### 7.15.2 SL-U: SL Consistent LBT failure, SL LCP

Continue the discussion from RAN2#121bis-e, e.g. including further updates/details on SL C-LBT failure handling/recovery, details of SL LCP restriction, etc.

[R2-2304666](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304666.zip) Discussion on C-LBT and LCP Enhancement OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304764](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304764.zip) Discussion on shared COT and LCP vivo discussion Rel-17

[R2-2304788](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304788.zip) Discussion on SL consistent LBT failure and LCP impact LG Electronics Inc. discussion NR\_SL\_enh2

[R2-2304805](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304805.zip) Discussion on SL consistent LBT failure and LCP enhancement Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304831](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304831.zip) Remaining issues on SL consistent LBT failure vivo discussion Rel-18

[R2-2304934](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304934.zip) Discussion on left issues for SL-U LBT SHARP Corporation discussion NR\_SL\_enh2

[R2-2304975](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304975.zip) Discussion on Sidelink consistent LBT failure and LCP ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305027](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305027.zip) Remaining issues on consistent LBT failure Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305089](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305089.zip) Discussion on SL LCP and consistent LBT failure recovery Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305173](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305173.zip) LBT Failure for SL Unlicensed InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2305174](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305174.zip) Implementing LCP for SL Unlicensed InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2305227](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305227.zip) Discussion on SL consistent LBT failure Xiaomi discussion

[R2-2305228](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305228.zip) Discussion on LCP restriction from COT sharing Xiaomi discussion

[R2-2305283](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305283.zip) Further Discussion on SL LBT and LCP CATT discussion Rel-18 NR\_SL\_enh2

[R2-2305357](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305357.zip) Further dicsussion on SL consistent LBT failure NEC discussion Rel-18 NR\_SL\_enh2

[R2-2305554](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305554.zip) Discussion on aspects related to consistent LBT failure and COT sharing Spreadtrum Communications discussion Rel-18

[R2-2305734](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305734.zip) Remaining details of SL LCP and SL consistent LBT procedure Lenovo discussion Rel-18 NR\_SL\_enh2-Core

[R2-2305924](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305924.zip) On recovery of Consistent LBT failure Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2

[R2-2305931](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305931.zip) R2-23xxxxx On the applicability of enhanced LCP Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2

[R2-2305946](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305946.zip) On SL-U LBT failure Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2305949](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305949.zip) On Shared COT and Enhanced SL LCP Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2306055](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306055.zip) Discussion on SL C-LBT failure and SL LCP Qualcomm India Pvt Ltd discussion

[R2-2306386](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306386.zip) Discussion on SL Consistent LBT failure ITL discussion Rel-18

[R2-2306519](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306519.zip) SL C-LBT Failure recovery Samsung discussion

### 7.15.3 SL-U: SL resource (re)selection, MCSt impacts

Includes further updates/details on e.g. SL resource (re)selection with SL LBT impact, etc.

[R2-2304667](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304667.zip) Discussion on Resource (Re)selection OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304683](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304683.zip) Consideration on MCSt impact NEC discussion NR\_SL\_enh2

[R2-2304684](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304684.zip) SL resource (re)selection NEC discussion NR\_SL\_enh2

[R2-2304793](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304793.zip) Discussion on SL resource (re)selection and MCSt impact LG Electronics Inc. discussion NR\_SL\_enh2

[R2-2304806](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304806.zip) Consideration on SL resource (re)selection and MCSt Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304976](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304976.zip) Discussion on SL resource (re)selection for SL-U ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305028](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305028.zip) Resource selection and reselection for SL-U Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305090](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305090.zip) Discussion on resource (re)selection and MCSt in SL-U Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305175](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305175.zip) Mode 2 Resource Selection Considering LBT Impacts InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2305176](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305176.zip) Discussion on RAN1 LS on MCSt InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2305177](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305177.zip) Draft Response LS on MCSt resource (re)selection InterDigital LS out Rel-18 NR\_SL\_enh2-Core To:RAN1

[R2-2305229](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305229.zip) Discussion on resource allocation for SL-U Xiaomi discussion

[R2-2305284](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305284.zip) Discussion on MCSt CATT,GOHIGH discussion Rel-18 NR\_SL\_enh2

[R2-2305686](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305686.zip) Discussion on resource (re)selection for NR SL-U Lenovo discussion Rel-18

[R2-2305923](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305923.zip) On MCSt impacts on the resource selection procedure Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_enh2

[R2-2306256](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306256.zip) Discussion on Multi-Consecutive Slots transmission vivo discussion

[R2-2306525](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306525.zip) SL resource (re)selection Samsung discussion

### 7.15.4 SL-U: Others

Includes further updates/details on e.g. leftovers on SL CAPC, SL DRX and SL CG, etc.

[R2-2304757](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2304757.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304757.zip) Discussion on the other remaining issues in SL-U OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304794](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304794.zip) Discussion on SL-U others LG Electronics Inc. discussion NR\_SL\_enh2

[R2-2304807](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304807.zip) Impact on SL CAPC and SL DRX Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304977](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304977.zip) Discussion on SL CAPC and SL CG ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305030](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305030.zip) Other aspects on SL-U Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305091](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305091.zip) Discussion on remaining issues on CAPC and SL DRX in SL-U Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305230](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305230.zip) Discussion on other aspects for SL-U Xiaomi discussion

[R2-2305285](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305285.zip) Consideration on CAPC and LBT impacts CATT discussion Rel-18 NR\_SL\_enh2

[R2-2305687](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305687.zip) Other remaining issue for NR SL-U Lenovo discussion Rel-18

[R2-2305947](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305947.zip) Discussion on SL-U open aspects Intel Corporation discussion Rel-18 NR\_SL\_enh2 R2-2302873

[R2-2306384](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306384.zip) Discussion on SL DRX in SL-U ITL discussion Rel-18

[R2-2306523](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306523.zip) Remaining issues Samsung discussion

### 7.15.5 SL-FR2

Includes e.g. identification of RAN2 scopes and proposals, further updates/details from RAN2#121bis-e discussion, updates/details of related RAN1 discussion, etc.

[R2-2304685](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304685.zip) Sidelink Operation on FR2 NEC discussion NR\_SL\_enh2

[R2-2304718](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304718.zip) Discussion on SL-FR2 aspects in RAN2 Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2304758](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304758.zip) Discussion on SL-FR2 impact OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304765](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304765.zip) Discussion on FR2 vivo discussion Rel-17

[R2-2304796](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304796.zip) Discussion on RAN2 aspects of SL-FR2 LG Electronics Inc. discussion NR\_SL\_enh2

[R2-2304847](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304847.zip) Discussion on SL-FR2 Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304978](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304978.zip) Discussion on sidelink FR2 ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305029](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305029.zip) SL in FR2 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305092](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305092.zip) Discussion on RAN2 aspects of SL FR2 Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305220](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305220.zip) Discussion on SL-FR2 impact to RAN2 Xiaomi discussion

[R2-2305236](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305236.zip) Discussion on sidelink operation on FR2 licensed spectrum China Telecom discussion Rel-18 NR\_SL\_enh2

[R2-2305286](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305286.zip) Discussion on Sidelink Operation on FR2 CATT discussion Rel-18 NR\_SL\_enh2

[R2-2305688](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305688.zip) Discussion on FR2 operation for NR SL Lenovo discussion Rel-18

[R2-2306056](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306056.zip) Discuss on SL-FR2 Qualcomm India Pvt Ltd discussion

[R2-2306472](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306472.zip) RAN2 Aspects of NR Sidelink Operation in FR2 Fraunhofer IIS, Fraunhofer HHI discussion Rel-18 R2-2303483

[R2-2306522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306522.zip) SL-FR2 Samsung discussion

### 7.15.6 SL-CA

Includes further updates/details on SL CA. Note this work assumes a very high degree of reuse from LTE V2X.

[R2-2304668](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304668.zip) Discussion on Carrier Aggregation OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304686](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304686.zip) Sidelink CA operation NEC discussion NR\_SL\_enh2

[R2-2304798](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304798.zip) Discussion on remaining issues of SL-CA enhancements LG Electronics Inc. discussion NR\_SL\_enh2

[R2-2304832](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304832.zip) Further discussion on the support of CA for NR Sidelink Mode-2 vivo discussion Rel-18

[R2-2304848](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304848.zip) Discussion on SL CA operation Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304979](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304979.zip) Discussion on sidelink CA ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305031](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305031.zip) Aspects of SL CA Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305093](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305093.zip) Discussion on Sidelink CA Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305178](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305178.zip) Carrier Aggregation for NR SL InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2305231](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305231.zip) Discussion on carrier aggregation for NR sidelink Xiaomi discussion

[R2-2305287](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305287.zip) Discussion on NR sidelink CA CATT discussion Rel-18 NR\_SL\_enh2

[R2-2305358](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305358.zip) Discussion on carrier selection for SL CA NEC discussion Rel-18 NR\_SL\_enh2

[R2-2305689](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305689.zip) Discussion on multi-carrier operation for NR SL Lenovo discussion Rel-18

[R2-2305948](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305948.zip) Discussion on NR SL Carrier Aggregation Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2306057](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306057.zip) Discussion on SL CA Qualcomm India Pvt Ltd discussion

[R2-2306315](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306315.zip) On support of Sidelink CA in NR Nokia, Nokia Shanghai Bell discussion

[R2-2306471](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306471.zip) RAN2 Aspects of NR Sidelink Carrier Aggregation Fraunhofer IIS, Fraunhofer HHI discussion Rel-18 R2-2303482

[R2-2306518](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306518.zip) SL CA for unicast Samsung discussion

### 7.15.7 SL-Co-Ex

Any required RAN2 discussion or spec impact to complete SL Co-Ex.

[R2-2304669](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304669.zip) Discussion on LTE-V2x and NR-V2x Co-Existence OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2304830](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304830.zip) Discussion on RAN2 impact on LTE sidelink and NR sidelink co-existence vivo discussion Rel-18

[R2-2304849](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304849.zip) Support of co-channel coexitence for LTE SL and NR SL Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2304980](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304980.zip) Discussion on Co-channel coexistence for LTE sidelink and NR sidelink ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2305032](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305032.zip) Discussion and LTE and NR coexistence Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2305094](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305094.zip) Discussion on resource selection in co-channel existence Apple discussion Rel-18 NR\_SL\_enh2

[R2-2305288](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305288.zip) Discussion on Coexistence for LTE sidelink and NR sidelink CATT discussion Rel-18 NR\_SL\_enh2

[R2-2305690](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305690.zip) Discussion on co-channel coexistence for LTE and NR SL Lenovo discussion Rel-18

[R2-2305825](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305825.zip) Identified issues for Sidelink Coexistence Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_enh2

[R2-2306058](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306058.zip) Discussion on SL Co-existence Qualcomm India Pvt Ltd discussion

[R2-2306521](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306521.zip) SL Co-Ex Samsung discussion

## 7.16 Artificial Intelligence Machine Learning for NR air interface

(FS\_NR\_AIML\_air; leading WG: RAN1; REL-18; WID:RP-221348)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

Technical input will be prioritized, Organizational aspects may not be treated.

Aspects of on-line/real-time training are deprioritized

### 7.16.1 Organizational

LS ins. Rapporteur input.

[R2-2306437](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306437.zip) Progress and Next Steps: Rapporteur's Insights Ericsson, Qualcomm Incorporated discussion Rel-18 FS\_NR\_AIML\_air

* noted

### 7.16.2 AIML methods

Explore AIML methods that are expected applicable to this SI and their expected or potential architecture (allocation of functionality to entities), Identification asepcts, other framework aspects, impact on RAN2. Most of LCM is in RAN2 scope.

Both general aspects and use-cases specific aspects are applicable (for use cases in scope). . Please input to 7.16.2.x

#### 7.16.2.1 Architecture and General

Model ID: 1a. Applicability/Usefulness 1b. Can discuss also model meta-data that can be useful for LCM and the detailed cases/contexts of such usefulness. Should take into account R1 progress if any. At current meeting: No need to discuss whether metadata is a sub-part of a structured model ID or whether we have other IDs, algorithm ID, function ID etc.

On a high level, Identify potential impacts to RRC and LPP UE capabilities or equivalent functionality if any.

Mapping of Functionality to entities, general aspects

Model ID

[R2-2305085](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305085.zip) Further discussion on model ID and AI/ML architecture Apple discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306285](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306285.zip) AIML method\_Architecture General LG Electronics discussion Rel-18

[R2-2304990](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304990.zip) Architecture and general for AIML MediaTek Inc. discussion Rel-18 R2-2303760

[R2-2304660](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304660.zip) Discussion on Model ID and Model Meta Data OPPO discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304959](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304959.zip) Discussions on Model-ID and Functionality-ID based LCM Fujitsu discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305646](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305646.zip) Model ID across non-interoperable networks Rakuten Symphony discussion Rel-18

Model Meta Data

[R2-2305969](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305969.zip) Discussion on AI/ML Architecture General Qualcomm Incorporated discussion Rel-18

[R2-2306440](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306440.zip) Applicability reporting Ericsson discussion Rel-18 FS\_NR\_AIML\_air

Moved from 7.16.2.4

[R2-2305088](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305088.zip) Discussion on UE capability reporting and LCM Apple discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305145](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305145.zip) AI/ML Architecture Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_AIML\_air

Functional Arch

[R2-2305327](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305327.zip) Discussion on Architecture General vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306438](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306438.zip) Architecture and management for AIML Ericsson discussion Rel-18 FS\_NR\_AIML\_air

Physical Network Arch

[R2-2305613](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305613.zip) Discussion on general architecture for AIML for NR air interface CMCC discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305680](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305680.zip) Discussion on AI framework and functionality mapping Lenovo discussion Rel-18

[R2-2304661](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304661.zip) Functionality Mapping for LCM Purposes OPPO discussion Rel-18 FS\_NR\_AIML\_air

UE Capability reporting

[R2-2306092](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306092.zip) Discussion on architecture and general Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305570](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305570.zip) Discussion on other model control method Spreadtrum Communications discussion Rel-18

Moved from 7.16.2.4

[R2-2305824](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305824.zip) Discussion on AI/ML Capability Reporting and Model LCM SHARP Corporation discussion Rel-18

General

[R2-2304676](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304676.zip) General aspects of AIML framework NEC discussion FS\_NR\_AIML\_air

[R2-2304945](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304945.zip) Further discussions on architecture general aspects of AIML for NR air-interface CATT, Turkcell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305162](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305162.zip) UE capability reporting and model ID InterDigital discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305221](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305221.zip) Discussion on architecture aspects Xiaomi discussion

[R2-2305448](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305448.zip) Model ID, AIML related capability and functionality mapping Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305567](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305567.zip) Discussion on general AI architecture Spreadtrum Communications discussion Rel-18

[R2-2305681](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305681.zip) Discussion on identifier used for UE side/part model LCM Lenovo discussion Rel-18

[R2-2305788](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305788.zip) AI/ML functionality and model-ID based LCM procedure Samsung Shenzhen discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306045](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306045.zip) Discussion on the architectural and general aspects of AI/ML Futurewei Technologies discussion

[R2-2306268](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306268.zip) Architecture and LCM aspects of AI/ML for NR air interface AT&T discussion

[R2-2306411](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306411.zip) Discussion on Architecture and General TCL Communication Ltd. discussion

[R2-2306414](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306414.zip) Discussion on Functionality Mapping within NW ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_AIML\_air

#### 7.16.2.2 Data Collection

Expect to execute evaluation with structure and contents as decided previous meeting. Determine Open issues. Can consider to send an LS to RAN1 to ask specific questions.

Mapping of functionality to entities, for Data collection (i.e. do we use the existing data collection frameworks as is or what modifications do we expect, any aspects that is not covered that may be important?)

* [AT122][001][AIML18] LS out on Data Collection Requirements and Assumptions (vivo)

Scope: Prepare for online discussion on LS out to RAN1 asking explicit questions that would be helpful to RAN2 to determine suitable mechanism(s) and/or other tentative standards impacts for data collection for the applicable purposes/use-cases. Start from meeting input, collect comments and take into account. PH2: Final LS

Intended outcome: Report with proposals (draft LS if convergence is good), PH2 final LS

Deadline: CB Wednesday, PH2: CB Friday

[R2-2306783](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306783.zip) Report of [AT122][001][AIML18] LS out on Data Collection Requirements and Assumptions (vivo) vivo

* P1a: For the LS to RAN1 on data collection requirement, inform RAN1 that the reply should be per use case and per LCM purpose (i.e., Model training, inference and monitoring), and LCM sidedness should also be considered.

1b: QC think the UE need site-specific info, and think that the transport is specified.

- QC think there are no cases where we can make this conclusion.

- ZTE think we shall be selective what we ask R1

- Ericsson think this is correct at R2 level, but nothing is precluded. R1 can add data of course. HW agrees that assistance data is separate story

- Nokia wonder if we need to ask for model based LCM vs functionality based LCM. HW think this is not needed.

- Xiaomi agrees some examples are needed, think there are more examples.

- NEC think we need to understand the reliability, latency etc, and if historic data shall be collected.

- MTK think R2 doesn’t need at all TS impact for Data collection. Think further that if UE vendor is responsible for algorithm training etc, then no need to specify anything for training. Vivo clarifies that there wasn’t support.

* RAN 2 assumes that for the data collection in some scenarios (e.g., internal data up to implementation or the existing data are enough), possibly no RAN2 specification effort is needed in some scenarios, e.g. (not exhaustive):

- For model inference of UE-sided model, input data for model inference is available inside the UE.

- For UE-side (real time) monitoring of UE-sided model, performance metrics are available inside the UE. UE can independently monitor a model's performance without any data input from NW.

* P2a: LS to ask RAN1 to provide the required data content per use case and per LCM purpose, when available, and to what extent said data would / should be specified (in detail).
* P2b: LS to ask RAN1 about the reporting type (e.g., periodic, event triggered, other) of the identified data content.
* P3: LS to ask RAN1 about the typical size (value or value range) of the identified data content.

DISCUSSION

2c

- Ericsson AT&T think we should not ask this. Nokia agrees. CMCC think we should not ask, and RAN1 shall focus on specified data. CATT think we should not ask this.

- MTK think that for UE side model training some data doesn’t need to be specified.

- Intel support to ask. QC agrees.

- Chair: there seems to be no consensus to ask a question about the extent of standardization of the collected data.

* P4a: For the latency requirement of data collection, RAN2 assumes:

- for all types of offline model training (i.e., UE- /NW-/ two-sided model training), there is no latency requirement for data collection

- for model inference, when required data comes from other entities, there is a latency requirement for data collection

- for model monitoring, when required monitoring data (e.g., performance metric) comes from the other entities, there is a latency requirement for data collection.

* P4b: LS to RAN1 to confirm the WA (in P4a) on the latency requirement, and ask RAN1 about the typical latency requirement (value or value range) to transfer the identified data content.
* P6a: RAN2 assumes that the analysis/selection of the data collection frameworks should focus on the RRC\_CONNECTED state (for both data generation and reporting). Analysis and potential enhancement on the non-connected state can be revisited when needed.
* P6b: LS to RAN1 to confirm the WA (in P6a) on RRC state of data collection.

DISCUSSION for above

- Samsung think that R3 is working on training data collection in all RRC states. Vivo think we should just agree this as a baseline.

* P5a: For the data generation entity and termination entity deployed at different entities, RAN2 assumes:

For CSI enhancement and beam management use cases:

- For model training, training data can be generated by UE/gNB and terminated at gNB/OAM/OTT server.

- For NW-sided model inference, input data can be generated by UE and terminated at gNB.

- For UE-side model inference, input data/assistance information can be generated by gNB and terminated at UE.

- For model monitoring at NW side, performance metrics can be generated by UE and terminated at gNB.

For positioning enhancement use case:

- For model training, training data can be generated by UE/gNB and terminated at LMF/OTT server.

- For NW-sided model inference, input data can be generated by UE/gNB and terminated at LMF and/or gNB.

- For UE-side model inference, input data/assistance information can be generated by LMF/gNB and terminated at the UE.

- For model monitoring at NW side, performance metrics can be generated by UE/gNB and terminated at LMF.

* P5b: LS to RAN1 to confirm the WA (in P5a) on the generation entity and termination entity of the identified data content and ask for supplement, if any.

DISCUSSION

- Ericsson wonder about the network providing data to the UE for monitoring. QC think this is a valid case. Apple also think this is a valid case. Samsung think that latency is an issue and it is faster to do monitoring at the UE so this would be valid. AT&T think we can use the word feedback

Chair: There are sustained objection from two companies to make the assumption and ask about the following: “For model monitoring at UE side, performance feedback could be generated by gNB and terminated at the UE.” There is significant interest from a number of companies.

[R2-2306784](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306784.zip) [DRAFT] LS out on Data Collection Requirements and Assumptions vivo

* Offline update of the LS (Friday)

[R2-2305328](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305328.zip) Discussion on data collection vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305970](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305970.zip) Discussion on Data Collection Requirements/Constraints for Different LCM Purposes Qualcomm Incorporated discussion Rel-18

* Noted

- Q proposes to bring EVEX on the table.

- MTK agrees that current frameworks are not so good for UE basded data collection

- Nokia CATT think current frameworks are sufficient. ZTE think RAN2 cannot decide this, as EVEX is out of RAN2 scope. HW also don’t support this.

- Chair wonder if a transparent mech culd work. QC think for some data there are privacy and security concerns and there should be operator control.

- AT&T don’t oppose EVEX but think there may be some technical concerns.

- Nokia think this can be completely transparent.

- vivo think it is clear that there is no current mechanism that support data collection for the UE.

- CMCC think that as long as we collect data for AS layers we should keep this in AS, and we don’t need to consider EVEX.

- MTK think that Operator is involved in any case.

- Chair think the consequence of only including CP methods could be low market adoption as this has happened in the past. Having to bring every detail to 3GPP in the issue of what data is useful for a UE side algorithm can for UE vendors be a burden of blocking magnitude.

- Chair: there are strong objections from network vendors to include EVEX as an option for data collection to evaluate, RAN2 cannot decide to do this currently, suggest that RAN2 do not revisit this unless the situation has changed, e.g. by a TSG RAN decision.

[R2-2304662](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304662.zip) Data Collection for LCM Purposes OPPO discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304677](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304677.zip) AIML Data Collection NEC discussion FS\_NR\_AIML\_air

[R2-2304946](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304946.zip) Considerations on data collection of AIML for NR air-interface CATT, Turkcell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304960](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304960.zip) Discussions on AIML data collection Fujitsu discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305086](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305086.zip) Further discussion on data collection for AI/ML Apple discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305146](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305146.zip) AI/ML Data collection Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305222](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305222.zip) Discussion on data collection Xiaomi discussion

[R2-2305308](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305308.zip) Discussion on Data Collection MediaTek Inc. discussion R2-2303761

[R2-2305449](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305449.zip) Further analysis on data collection framework Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305525](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305525.zip) Some considerations about data collection Sony discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305568](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305568.zip) Discussion on data collection Spreadtrum Communications discussion Rel-18

[R2-2305614](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305614.zip) Discussion on data collection for AIML model CMCC discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305682](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305682.zip) Qualitative analysis on data collection requirements Lenovo discussion Rel-18

[R2-2305792](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305792.zip) Enhancements for RRM/MDT to support AI/ML data collection Samsung Shenzhen discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305814](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305814.zip) Data collection for AIML Interdigital Inc. discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306093](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306093.zip) Discussion on data collection Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306269](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306269.zip) Data collection aspects of AI/ML for NR air interface AT&T discussion

[R2-2306286](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306286.zip) AIML method\_Data Collection LG Electronics discussion Rel-18

[R2-2306408](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306408.zip) Data collection for AIML methods TCL Communication Ltd. discussion

[R2-2306415](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306415.zip) Further Discussion On the Purpose Driven Data Collection in LCM ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306451](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306451.zip) Data collection for AI/ML Ericsson discussion

#### 7.16.2.3 Model transfer – delivery

Expect to continue evaluation for cases of methods, ambition level, mapping of functionality to entities. . Determine tangible open issues if any (e.g. performance aspects)..

[R2-2305309](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305309.zip) Discussion on AI/ML Model Transfer/Delivery MediaTek Inc. discussion R2-2303762

[R2-2306439](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306439.zip) On the need for model transfer Ericsson discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304663](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304663.zip) Open Issue Discussion on Model Transfer/Delivery OPPO discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304678](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304678.zip) AIML Model transfer NEC discussion FS\_NR\_AIML\_air

[R2-2304679](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304679.zip) AIML Model transfer for mobility NEC discussion FS\_NR\_AIML\_air

[R2-2304863](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304863.zip) AI/ML model delivery/transfer on CP RRC Dell Technologies discussion Rel-18

[R2-2304947](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304947.zip) Further discussions on AIML model transfer CATT, Turkcell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304961](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304961.zip) Discussions on AIML model transfer via air interface Fujitsu discussion Rel-18 FS\_NR\_AIML\_air R2-2303015

[R2-2305087](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305087.zip) Further discussion on model transfer Apple discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305147](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305147.zip) AI/ML Model transfer / delivery Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305223](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305223.zip) Discussion on model delivery Xiaomi discussion

[R2-2305329](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305329.zip) Discussion on model transfer vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305450](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305450.zip) architecture impact on model transfer method Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305569](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305569.zip) Discussion on model transfer-delivery Spreadtrum Communications discussion Rel-18

[R2-2305615](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305615.zip) Discussion on AIML model transfer delivery CMCC discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305683](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305683.zip) Discussion on gNB/LMF awareness of UE side model Lenovo discussion Rel-18

[R2-2305787](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305787.zip) Discussion on model transfer/delivery solutions Samsung Shenzhen discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305815](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305815.zip) Way forward for AIML Model transfer/delivery Interdigital Inc. discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305971](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305971.zip) Discussion on Model Transfer/Delivery Discussion and Decision discussion Rel-18

[R2-2306094](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306094.zip) Discussion on model transfer and model delivery Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306270](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306270.zip) AI/ML model transfer and delivery AT&T discussion

[R2-2306287](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306287.zip) AIML method\_Model Transfer Delivery LG Electronics discussion Rel-18

[R2-2306416](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306416.zip) urther Considerations On the Model Transfer study in RAN2 ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_AIML\_air

#### 7.16.2.4 Model Control other

Model control beyond / other than Model transfer – delivery

[R2-2305451](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305451.zip) model control procedure: RAN2 impact Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305148](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305148.zip) AI/ML Control and other topics Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2304965](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304965.zip) AI ML model management across RRC state transitions and mobility among non-interoperable networks Rakuten Symphony discussion Rel-18

[R2-2305973](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305973.zip) Discussion on Life Cycle Management Qualcomm Incorporated discussion Rel-18

[R2-2304948](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304948.zip) Considerations on other model control procedures CATT, Turkcell discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305163](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305163.zip) Decision and Signaling for AI/ML Model Switching InterDigital discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305314](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305314.zip) Model Control and Model Monitoring MediaTek Inc. discussion R2-2303763

[R2-2305330](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305330.zip) Discussion on model management and identification vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305526](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305526.zip) Some considerations about CSI compression Sony discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305677](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305677.zip) AI/ML model control for positioning accuracy enhancement Xiaomi discussion

[R2-2305789](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305789.zip) Indication of supported AI/ML models and functionalities Samsung Shenzhen discussion Rel-18 FS\_NR\_AIML\_air

[R2-2305826](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305826.zip) Discussion on Model Monitoring and Reporting Considering Functionality and Model ID based LCM SHARP Corporation discussion Rel-18

[R2-2306095](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306095.zip) Discussion on model control and others Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

[R2-2306271](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306271.zip) AI/ML model control AT&T discussion

[R2-2306417](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306417.zip) Consideration on General Porocedure For Different Use Cases ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_AIML\_air

## 7.17 Dual Transmission/Reception (Tx/Rx) Multi-SIM for NR

(NR\_DualTxRx\_MUSIM-Core; leading WG: RAN2; REL-18; WID: [RP-230751](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_99/Docs/RP-230751.zip))

Time budget: 0 TU

Tdoc Limitation: 0 tdocs

This topic is not planned to be treated in this meeting (except for urgent LSs received from other WGs).

## 7.18 Mobile Terminated Small Data Transmission

(NR\_NR\_MT\_SDT-Core; leading WG: RAN2; REL-18; WID: RP-222993)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.18.1 Organizational

*Running CRs expected as input in this meeting: 38.300 (Nokia), 38.331 (ZTE), 38.321 (Huawei).*

*UE capabilities and running CR to 38.306 (Intel) will not be expected or discussed in this meeting*

[R2-2304795](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304795.zip) Draft running CR for MAC spec for MT-SDT Huawei, HiSilicon draftCR Rel-18 38.321 17.4.0 NR\_MT\_SDT-Core

[R2-2305022](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305022.zip) Introduction of MT-SDT (RRC Running CR) ZTE Corporation (rapporteur) draftCR Rel-18 38.331 17.4.0 B NR\_MT\_SDT-Core

[R2-2305750](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305750.zip) Introduction of MT-SDT in Stage-2 Nokia, Nokia Shanghai Bell draftCR Rel-18 38.300 17.4.0 NR\_MT\_SDT-Core

### 7.18.2 Control plane aspects

[R2-2304706](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304706.zip) Discussion on Supporting MT-SDT from CP Perspective vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MT\_SDT-Core

[R2-2304725](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304725.zip) Control plane aspects of MT SDT Procedure in RRC\_INACTIVE state Samsung Electronics Co., Ltd discussion Rel-18 NR\_MT\_SDT-Core

[R2-2304935](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304935.zip) Discussion on subsequent transmission within MT-SDT SHARP Corporation discussion NR\_MT\_SDT-Core

[R2-2305021](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305021.zip) MT-SDT Control plane open isssues ZTE Corporation, Sanechips discussion

[R2-2305299](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305299.zip) Discussion on control plane issues for MT-SDT OPPO discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305352](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305352.zip) Further MT-SDT discussion Ericsson discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305491](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305491.zip) MT SDT mechanism (including configuration, paging, resume and capabilities) Intel Corporation discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305527](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305527.zip) Remaining procedures for MT-SDT Sony discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305583](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305583.zip) Discussion on the configuration of MT-SDT Xiaomi discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305735](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305735.zip) Discussion on remaining CP issues for MT-SDT Lenovo discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305791](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305791.zip) Control plane aspects of MT-SDT Qualcomm Incorporated discussion NR\_MT\_SDT-Core

[R2-2305806](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305806.zip) Control plane aspects of MT-SDT Huawei, HiSilicon discussion NR\_MT\_SDT-Core

[R2-2305906](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305906.zip) CP aspects for MT-SDT procedure Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306128](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306128.zip) Discussion on DL SPS for MT-SDT ASUSTeK discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306141](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306141.zip) Support of SPS in MT-SDT LG Electronics Inc. discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306160](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306160.zip) Discussion on MT-SDT Apple discussion Rel-18 DUMMY

[R2-2306341](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306341.zip) Consideration on CP common aspects of MT-SDT China Telecom Corporation Ltd. discussion

[R2-2306399](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306399.zip) Consideration on CP aspects for MT-SDT CATT discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306527](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306527.zip) On support of DL SPS MediaTek Inc. discussion Rel-18

### 7.18.3 User plane aspects

[R2-2304707](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304707.zip) Discussion on Supporting MT-SDT from UP Perspective vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MT\_SDT-Core

[R2-2304726](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304726.zip) User plane aspects of MT SDT Procedure in RRC\_INACTIVE state Samsung Electronics Co., Ltd discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305023](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305023.zip) MT-SDT user plane open isssues ZTE Corporation, Sanechips discussion

[R2-2305300](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305300.zip) Discussion on user plane issues for MT-SDT OPPO discussion Rel-18 NR\_MT\_SDT-Core

R2-2305353 Handling BWP restrictions in MT-SDT Ericsson discussion Rel-18 NR\_MT\_SDT-Core Withdrawn

[R2-2305557](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305557.zip) Discussion on MT-SDT procedure Spreadtrum Communications discussion Rel-18

[R2-2305595](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305595.zip) Discussion on MT-SDT procedure Continental Automotive discussion Rel-18

[R2-2305736](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305736.zip) Discussion on remaining UP issues for MT-SDT Lenovo discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305751](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305751.zip) MT-SDT UP impacts Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MT\_SDT-Core

[R2-2305793](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305793.zip) User plane aspects of MT-SDT Qualcomm Incorporated discussion NR\_MT\_SDT-Core

[R2-2305805](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305805.zip) User plane aspects of MT-SDT Huawei, HiSilicon discussion NR\_MT\_SDT-Core

[R2-2305807](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305807.zip) SPS support for MT-SDT Huawei, HiSilicon, Xiaomi, vivo, LGE, CMCC discussion NR\_MT\_SDT-Core

[R2-2305953](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305953.zip) MT SDT mechanism (including CG and ROHC) Intel Corporation discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306142](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306142.zip) Discussion on MT-SDT procedure LG Electronics Inc. discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306342](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306342.zip) Consideration on UP common aspects of MT-SDT China Telecom Corporation Ltd. discussion

[R2-2306379](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306379.zip) Handling BWP restrictions in MT-SDT Ericsson discussion Rel-18 NR\_MT\_SDT-Core

[R2-2306400](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306400.zip) Consideration on UP aspects for MT-SDT CATT discussion Rel-18 NR\_MT\_SDT-Core

## 7.19 Enhanced support of reduced capability NR devices

(NR\_redcap\_enh-Core; leading WG: RAN1; REL-18; WID: RP-223544)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 7.19.1 Organizational

Incoming LSs, running CRs, etc.

[R2-2304619](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304619.zip) LS on Msg4 PDSCH transmission to Rel-18 eRedCap UEs (R1-2304262; contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap\_enh-Core To:RAN2

[R2-2304624](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304624.zip) RAN3 progress on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 (R3-231951; contact: Ericsson) RAN3 LS in Rel-18 NR\_redcap\_enh To:SA2 Cc:RAN2, CT4

[R2-2304648](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304648.zip) Reply LS on Paging Policy Information for Network Triggered Connection Resume (S2-2305617; contact: Ericsson) SA2 LS in Rel-18 NR\_REDCAP\_Ph2 To:CT4 Cc:RAN3, RAN2

[R2-2304649](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304649.zip) Reply LS on INACTIVE eDRX above 10.24sec and SDT (S2-2305619; contact: Intel) SA2 LS in Rel-18 NR\_REDCAP\_Ph2, NR\_redcap\_enh-Core To:RAN2, RAN3 Cc:CT4

[R2-2305004](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305004.zip) How to capture “eRedCap UE” in the running CRs/Rel-18 specifications Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305011](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305011.zip) Running MAC CR for eRedCap vivo (Rapporteur) draftCR Rel-18 38.321 17.4.0 NR\_redcap\_enh-Core

[R2-2305377](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305377.zip) Running CR for TS 38.300 for Rel-18 eRedCap OPPO CR Rel-18 38.300 17.4.0 0677 - B NR\_redcap\_enh-Core

[R2-2305471](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305471.zip) Running 38.304 CR for enhanced support of reduced capability NR devices Huawei, HiSilicon draftCR Rel-18 38.304 17.4.0 B NR\_redcap\_enh-Core

[R2-2306039](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306039.zip) 38.306 UE capability for Rel-18 eRedCap Intel Corporation draftCR Rel-18 38.306 17.4.0 B NR\_redcap\_enh-Core

[R2-2306040](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306040.zip) 38.331 UE capability for Rel-18 eRedCap Intel Corporation draftCR Rel-18 38.331 17.4.0 B NR\_redcap\_enh-Core

[R2-2306223](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306223.zip) Introduction of eRedCap in 38331 Ericsson draftCR Rel-18 38.331 17.4.0 NR\_redcap\_enh-Core

### 7.19.2 Enhanced eDRX in RRC\_INACTIVE

Pre-requisites for UE supporting/NW allowing INACTIVE eDRX > 10.24 s, e.g. requires R17 INACTIVE eDRX?

PTW details, e.g. restriction that RAN PTW is longer/shorter/same as CN PTW.

Fallback details.

[R2-2304682](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304682.zip) Fallback behaviour for eRedcap UE NEC discussion NR\_redcap\_enh-Core

[R2-2304738](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304738.zip) Discussion on enhanced eDRX in RRC\_INACTIVE OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304901](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304901.zip) Discussion on enhanced eDRX in RRC\_INACTIVE CATT, CEPRI discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304920](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304920.zip) Remaining issues on Enhanced eDRX for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304996](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304996.zip) Discussion on e-DRX for eRedcap Devices Xiaomi Communications discussion

[R2-2305312](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305312.zip) Discussion on enhanced eDRX in RRC\_INACTIVE Samsung discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305436](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305436.zip) Further impacts to support eDRX in RRC\_INACTIVE above 10.24 sec Intel Corporation discussion NR\_redcap\_enh-Core

[R2-2305472](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305472.zip) Discussion on enhanced eDRX in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305622](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305622.zip) Discussion on eDRX in RRC\_INACTIVE CMCC discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305794](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305794.zip) Discussion on enhanced eDRX in RRC inactive Qualcomm Incorporated discussion NR\_redcap\_enh-Core

[R2-2305900](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305900.zip) Remaining issues for enhanced eDRX in RRC\_INACTIVE MediaTek Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305905](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305905.zip) On eDRX for enhanced RedCap Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305962](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305962.zip) Remaining issues of enhanced eDRX in RRC\_INACTIVE ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306228](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306228.zip) Extended eDRX cycles in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_redcap\_enh-Core Revised

[R2-2306528](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306528.zip) Extended eDRX cycles in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_redcap\_enh-Core [R2-2306228](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306228.zip)

### 7.19.3 Further reduced UE complexity in FR1

Early indication.

Access restrictions for eRedCap. Which granularity is required for access restriction, e.g. need for R18 versions of 1Rx/2Rx-barring indications and HD-FDD allowed? Can a NW allow R18 eRedCap without allowing R17 RedCap?

*Capability related, e.g. how to define an eRedCap UE.*

[R2-2304722](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304722.zip) Potential impacts to random access for Rel-18 eRedCap Ues Samsung Electronics Co., Ltd discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304739](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304739.zip) Discussion on early indication for eRedCap UE OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304752](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304752.zip) Discussion on cellbarring for eRedCap UEs OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304902](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304902.zip) Discussion on further UE complexity reduction CATT, CEPRI discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304905](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304905.zip) [Draft] Reply LS on Msg4 PDSCH transmission to Rel-18 eRedCap Ues CATT LS out Rel-18 NR\_redcap\_enh-Core To:RAN1

[R2-2304921](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304921.zip) Discussion on access restriction for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304922](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304922.zip) Discussion on capability for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2304997](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304997.zip) Discussion on early indication for eRedcap devices Xiaomi Communications discussion

[R2-2304998](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304998.zip) Discussion on UE access restrictions and other impacts for eRedcap devices Xiaomi Communications discussion

[R2-2305003](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305003.zip) eRedCap access restriction and the issue in RAN1 LS Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305098](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305098.zip) Early identification of eRedCap UE at RACH Apple discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305099](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305099.zip) R17 RedCap support of R18 eRedCap supporting gNBs Apple discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305313](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305313.zip) Discussion on further reduced UE complexity in FR1 Samsung discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305359](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305359.zip) Discussion on Msg4 PDSCH transmission to Rel-18 eRedCap UE NEC discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305360](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305360.zip) Further discussion on access restriction for eRedCap NEC discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305437](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305437.zip) Capability impacts for Rel-18 eRedCap UEs Intel Corporation discussion NR\_redcap\_enh-Core

[R2-2305558](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305558.zip) Discussion on further reduced UE complexity in FR1 for eRedCap UE Spreadtrum Communications discussion Rel-18

[R2-2305623](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305623.zip) Discussion on further reduced UE complexity CMCC discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305796](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305796.zip) Discussion on further complexity reduction for eRedCap UE Qualcomm Incorporated discussion NR\_redcap\_enh-Core

[R2-2305797](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305797.zip) Discussion on optional UE capability filter for eRedCap UE Qualcomm Incorporated, Ericsson, Intel discussion NR\_redcap\_enh-Core R2-2303563

[R2-2305869](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305869.zip) Access restrictions for eRedCap UE Sierra Wireless. S.A. discussion

[R2-2305901](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305901.zip) Open aspects of initial access for eRedCap UEs MediaTek Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305904](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305904.zip) On access restrictions for enhanced RedCap Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2305932](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305932.zip) Considerations on Further reduced UE complexity for eRedcap Sequans Communications discussion Rel-18 NR\_redcap\_enh-Core R2-2304171

[R2-2305963](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305963.zip) Early indication and access restriction for eRedCap UE ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core R2-2302825

[R2-2305964](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305964.zip) Capability definition and report for eRedCap UE ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core R2-2302826

[R2-2306224](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306224.zip) Discussion on Msg4 PDSCH transmission to Rel-18 eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306234](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306234.zip) Early indication and access control for BB BW reduced UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306237](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306237.zip) Access restriction and capabilities for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core Revised

[R2-2306314](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306314.zip) On Msg4 with larger number of PRBs Nokia, Nokia Shanghai Bell discussion

[R2-2306332](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306332.zip) Discussion on Cell barring for eRedCap NTT DOCOMO INC. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306348](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306348.zip) Remaining issues on early indication for Rel-18 eRedCap UE LG Electronics Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306426](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306426.zip) Further discussions on access restriction for eRedCap Futurewei discussion Rel-18 NR\_redcap\_enh-Core

[R2-2306524](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306524.zip) Access restriction and capabilities for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core [R2-2306237](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306237.zip)

## 7.20 NR MIMO evolution

(NR\_MIMO\_evo\_DL\_UL-Core; leading WG: RAN1; REL-18; WID: RP-223276)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.20.1 Organizational

Rapporteur input, incoming LS etc.

### 7.20.2 Two TAs for multi-DCI multi-TRP

RAN2 impacts of Two TAs for multi-DCI multi-TRP operation, aiming at progressing Stage-2 aspects as much as possible from RAN2 perspective.

[R2-2304766](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304766.zip) Discussion on multiple TAG OPPO discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2304938](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304938.zip) Further issues for Multi-TRP with two TAs support SHARP Corporation discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305318](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305318.zip) Discussions on Two TAs for Multi-DCI Multi-TRP CATT discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305588](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305588.zip) Discussion on Two TAs for Multi-TRP NEC Corporation discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305719](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305719.zip) Discussion on the impacts of Two TAs for multi-DCI multi-TRP operation Lenovo discussion Rel-18

[R2-2305720](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305720.zip) Discussion on the UE-initiated RACH procedure in multi-TRP operation Lenovo discussion Rel-18

[R2-2305752](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305752.zip) RA procedure while SpCell is configured with 2 TAGs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305799](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305799.zip) Discussion on multi-DCI multi-TRP with two TAs Qualcomm Incorporated discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305848](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305848.zip) On 2TA operation Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core Withdrawn

[R2-2305921](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305921.zip) Two TAs for multi-DCI multi-TRP Huawei, HiSilicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306036](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306036.zip) On 2TA operation Ericsson discussion Rel-18

[R2-2306140](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306140.zip) Discussion on TA maintenance in two TAs for multi-TRP LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306161](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306161.zip) Support of Two TAs for multi-DCI multi-TRP Apple discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306327](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306327.zip) Discussion on two TAs for multi-DCI multi-TRP Samsung Research America discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306421](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306421.zip) Further Considerations On UE initiated RACH for acquiring TA ZTE Corporation,Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306433](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306433.zip) Status of open issues on Two TAs for mDCI mTRP NTT DOCOMO INC. discussion Rel-19

### 7.20.3 Other

Other RAN2 impacts than those discussed in 7.20.1 and 7.20.2, including:

unified TCI extension to mTRP operation, including the cases for sDCI and mDCT, and other topics if identified

[R2-2304767](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304767.zip) Discussion on MAC CE design for mTRP OPPO discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2304876](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304876.zip) RAN2 impacts of multi-TRP with unified TCI states Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305319](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305319.zip) Discussion on Unified TCI Framework Extension for Multi-TRP CATT discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305800](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305800.zip) Discussion on unified TCI framework extension for mTRP operation Qualcomm Incorporated discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305851](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305851.zip) On unified TCI for mTRP Ericsson discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2305922](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305922.zip) Extension of unified TCI framework for mTRP Huawei, HiSilicon discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306129](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306129.zip) Intra-UE prioritization for Simultaneous multi-panel transmission ASUSTeK discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core R2-2303939

[R2-2306144](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306144.zip) Discussion on impact of multi-TRP on MAC CE LG Electronics Inc. discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306225](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306225.zip) Remaining issues on unified TCI extension to mTRP operation Samsung discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2306420](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306420.zip) Considerations on unified TCI state extension for s-DCI based mTRP ZTE Corporation,Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

=> Revised in R2-2306532

R2-2306532 Considerations on unified TCI state extension for s-DCI based mTRP 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)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.21.1 Organizational

Incoming LSs, Rapporteur input etc.

[R2-2304613](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304613.zip) LS on PRACH coverage enhancement (R1-2304141; contact: China Telecom) RAN1 LS in Rel-18 NR\_cov\_enh2 To:RAN2

### 7.21.2 Control plane issues

Details of RACH configuration and RACH partitioning signalling and any other impacts to CP from RAN1 agreements.

[R2-2304702](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304702.zip) RAN2 Impacts of Multiple PRACH Transmissions from CP vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_cov\_enh2-Core

[R2-2304723](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304723.zip) Control plane aspects of further NR Coverage Enhancements Samsung Electronics Co., Ltd discussion Rel-18 NR\_cov\_enh2-Core

[R2-2304903](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304903.zip) Discussion on CP issues for MSG1 repetition CATT discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305127](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305127.zip) UL Coverage Enhancements Control Plane Qualcomm Incorporated discussion Rel-18

[R2-2305237](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305237.zip) RACH partition framework of Coverage Enhancement China Telecom discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305355](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305355.zip) Discussion on Multiple PRACH Transmission Configuration Ericsson discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305403](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305403.zip) CP issues for PRACH coverage enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305732](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305732.zip) Discussion on RAN2 impact of PRACH enhancement Xiaomi discussion Rel-18

[R2-2305929](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305929.zip) Multiple PRACH transmissions – CP aspects InterDigital discussion Rel-18 NR\_cov\_enh2-Core

[R2-2306231](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306231.zip) RRC aspects for Msg1 repetition Huawei, HiSilicon discussion Rel-18 NR\_cov\_enh2-Core

[R2-2306349](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306349.zip) Signalling aspects on support of PRACH repetition LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core

### 7.21.3 User plane issues

Overall RACH procedure and any other MAC impacts

[R2-2304703](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2304703.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304703.zip) RAN2 Impacts of Multiple PRACH Transmissions from UP vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_cov\_enh2-Core

[R2-2304724](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304724.zip) User plane aspects of further NR Coverage Enhancements Samsung Electronics Co., Ltd discussion Rel-18 NR\_cov\_enh2-Core

[R2-2304904](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304904.zip) Discussion on UP issues for MSG1 repetition CATT discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305128](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305128.zip) UL Coverage Enhancements User Plane Qualcomm Incorporated discussion Rel-18

[R2-2305269](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305269.zip) UP Impacts for Further NR Coverage Enhancements NEC Corporation discussion NR\_cov\_enh2-Core

[R2-2305354](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305354.zip) Discussion on Multiple PRACH Transmission Procedures Ericsson discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305404](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305404.zip) UP issues for PRACH coverage enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305753](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305753.zip) UP impacts of PRACH CE Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305754](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305754.zip) Fallback cases for PRACH repetition Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_cov\_enh2-Core

[R2-2305930](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305930.zip) Multiple PRACH transmissions – UP aspects InterDigital discussion Rel-18 NR\_cov\_enh2-Core

[R2-2306232](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306232.zip) Discussion on MAC aspect with MSG1 repetition Huawei, HiSilicon discussion Rel-18 NR\_cov\_enh2-Core

[R2-2306350](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306350.zip) RA procedure to support PRACH repetition LG Electronics Inc. discussion Rel-18 NR\_cov\_enh2-Core

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

(FS\_NR\_LPWUS; leading WG: RAN1; REL-18; WID: RP-222644)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.22.1 Organizational

Incoming LSs, Rapporteur input etc.

[R2-2305745](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305745.zip) Updated scope clarification of Rel-18 SI on LP-WUS/WUR vivo (Rapporteur) discussion Rel-18 FS\_NR\_LPWUS

* Noted

[R2-2305746](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305746.zip) Work Plan for Rel-18 SI on LP-WUS/WUR vivo (Rapporteur) discussion Rel-18 FS\_NR\_LPWUS

- vivo think RAN2 can assume there is serving cell RRM measurements. For neightbour cell measurements need to wait for R1.

* Noted

[R2-2305747](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305747.zip) Update of TR 38.869 for LP-WUS WUR vivo (Rapporteur) discussion Rel-18 FS\_NR\_LPWUS

### 7.22.2 Idle Inactive Mode

[R2-2304923](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304923.zip) Discussion on LP-WUS WUR in RRC idle/inactive vivo discussion Rel-18 FS\_NR\_LPWUS

General

DISCUSSION

P1

- vivo think the impact to the UE is that the UE need to wake up when the UE moves out of LP radio.

- QC think this need to be studied. OPPO think R1 need to spear-head this. NEC agrees.

- VDF think it may need to be studied.

- Apple think this may impact RRM measurements, e.g. if LPWUS coverage is smaller than MR coverage the UE could trigger NCell measurements.

- CATT wonder if LR handling could be only in L1. Nokia think there will be 38304 impact. Ericsson think it is clear that RRC will be impacted.

P2

- Nokia think that if the network knows the network can choose where to send transmissions for the UE.

- QC think whether the network knows may dep on the coverage. If coverage is full, the network may need to know.

- VDF not sure this need to be known. Not needed for UE operation.

- FW think it is important for the network to know, but anyway think the UE can use both LR and MR if the UE doesn’t know.

- Apple think the network can configure the UE behviour/state. Thikn the UE should not need to notify the network.

- OPPO think we need to be careful. Awareness may create LOTs of signalling.

- HW are not sure the UE can know for sure whether it is in coverage or not. HW think the UE shall not notify the network.

- ZTE think all papers say the network will configure conditions. Network will not have full awareness.

- Sony think the main aspect is the networks paging strategy. Shall the network use LP WUR or just the MR. From network this has similarity to current paging strategies.

P3

- OPPO would like to clarify that this is for bcast signalling. Ericsson think Alt1 may be difficult.

- vivo explains that Alt1 was intended as configuration.

- Several companies think that there would be bcast indication.

- Nokia think the network cannot know much about UEs in Idle inactive .. e.g. which ones are in coverage etc.

P7

- Chair wonder if we can assumed that PEI kind of subgrouping can b e used. QC think it depends on the payload. HW would prefer to also include the possibility to address each UE individually. FW point out that direct UE addressing would be very good.

- ZTE think that if we can skip some steps on the MR (e.g. the PEI step) we can save latency, so we should be open.

- Chair think we don’t have that much time to study so we need to base LP WUS functionality on some established baseline. Indeed it would be good to not have a false paging issue, but we don’t have that with existing paging so is it really realistic?

* RAN2 expect that different coverage LR/MR may have RAN2 impact, e.g. UE need to stop using LP WUS when moving out of LR coverage, other aspects FFS. What to cover (if anything) in TS 38.304 is FFS.
* For UE in RRC\_IDLE/RRC\_INACTIVE state, it is FFS to what extent the network is or need to be aware of which receiver the UE uses MR/LR or both (for paging reception etc). A potential drawback of not knowing could be increased LP WUS load, a potential drawback of awareness is increased signalling.
* RAN2 assumes that UE uses LP WUS when pre-configured condition(s) are fulfilled.   
  (Other control methods not precluded)
* RAN2 assumes that using subgrouping for LP-WUS could be beneficial to reduce false alarms rate (depend on L1 capacity to carry payload).

CB to discuss ways forward for next meeting

[R2-2304714](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304714.zip) Use of low-power receiver in RRC Idle/Inactive Qualcomm Incorporated discussion Rel-18 FS\_NR\_LPWUS

[R2-2306060](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306060.zip) MR/LR UE behaviours for paging and mobility in RRC\_IDLE/INACTIVE state Huawei, HiSilicon discussion Rel-18 FS\_NR\_LPWUS

[R2-2306238](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306238.zip) LP-WUS/WUR for RRC Idle and Inactive Ericsson discussion Rel-18 FS\_NR\_LPWUS

[R2-2305903](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305903.zip) LP-WUS in RRC IDLE and INACTIVE Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_LPWUS

[R2-2304936](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304936.zip) Discussion on LP-WUS in RRC\_IDLE&INACTIVE state CATT discussion Rel-18 FS\_NR\_LPWUS

[R2-2305960](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305960.zip) RAN2 impacts of LP-WUS in idle or inactive mode ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_LPWUS

[R2-2304748](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304748.zip) Discussion on RRM measurement for LP-WUR OPPO discussion Rel-18 FS\_NR\_LPWUS

[R2-2306162](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306162.zip) RAN2 impact on LP-WUS in IDLE/INACTIVE state Apple discussion Rel-18 FS\_NR\_LPWUS

[R2-2306482](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306482.zip) On impact to IDLE/INACTIVE procedures to support LP-WUR SAMSUNG R&D INSTITUTE INDIA discussion Rel-18

[R2-2305000](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305000.zip) General considerations on the procedure for RRC\_IDLE\_INACTIVE Xiaomi Communications discussion

[R2-2305528](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305528.zip) Considerations on LP-WUR in RRC Idle/Inactive mode Sony discussion Rel-18 FS\_NR\_LPWUS

[R2-2304988](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304988.zip) Discussion on the considerations for LPWUS in RRC\_IDLE INACTIVE NEC Corporation discussion Rel-18 FS\_NR\_LPWUS

### 7.22.3 Connected Mode

[R2-2304715](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304715.zip) Use of low-power receiver in RRC Connected Qualcomm Incorporated discussion Rel-18 FS\_NR\_LPWUS

[R2-2304750](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304750.zip) Discussion on LP-WUR’s operation OPPO discussion Rel-18 FS\_NR\_LPWUS

[R2-2304924](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304924.zip) Discussion on LP-WUS WUR in RRC connected vivo discussion Rel-18 FS\_NR\_LPWUS

[R2-2304937](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304937.zip) Discussion on LP-WUS in RRC\_CONNECTED state CATT discussion Rel-18 FS\_NR\_LPWUS

[R2-2304989](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304989.zip) Discussion on the considerations for LPWUS in RRC\_CONNECTED NEC Corporation discussion Rel-18 FS\_NR\_LPWUS

[R2-2304999](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304999.zip) Discussing on LP-WUS monitoring for RRC\_Connected Xiaomi Communications discussion

[R2-2305473](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305473.zip) High layer procedures for LP-WUS in RRC\_CONNECTED state Huawei, HiSilicon discussion Rel-18 FS\_NR\_LPWUS

[R2-2305961](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305961.zip) RAN2 impacts of LP-WUS in connected mode ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_LPWUS

[R2-2306239](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306239.zip) LP-WUS/WUR for RRC Connected Ericsson discussion Rel-18 FS\_NR\_LPWUS

[R2-2306489](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306489.zip) On impact to Connected mode procedures to support LP-WUR SAMSUNG R&D INSTITUTE INDIA discussion Rel-18

[R2-2306312](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306312.zip) LP\_WUS in RRC\_CONNECTED Nokia, Nokia Shanghai Bell discussion

*Moved from 7.22.2*

## 7.23 Timing Resiliency and URLLC Enh

(NR\_TRS\_URLLC; leading WG: RAN3; REL-18; WID: RP-230754)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdoc

### 7.23.1 Organizational

Incoming LSs, Rapporteur input etc.

[R2-2304605](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304605.zip) Response to Reply LS on Proposed method for Time Synchronization status reporting to UE(s) (C1-232942; contact: Nokia) CT1 LS in Rel-18 TRS\_URLLC To:RAN2, SA1 Cc:SA2, RAN3

[R2-2304621](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304621.zip) Reply LS on proposed method for time synchronization status reporting to UE(s) (R3-230811; contact: Nokia) RAN3 LS in Rel-18 FS\_5TRS\_URLLC To:SA2, RAN2

[R2-2305655](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305655.zip) Stage 2 running CR on timing resiliency and URLLC Nokia, Nokia Shanghai Bell discussion Rel-18 TRS\_URLLC-NR-Core

### 7.23.2 General

[R2-2304704](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304704.zip) Further Discussion on 5G Clock Quality Information Reporting vivo Mobile Com. (Chongqing) discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2304705](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304705.zip) Discussion on RAN feedback for Upstream Scheduling vivo Mobile Com. (Chongqing) discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2304841](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304841.zip) Discussion on TSS change notification procedure Huawei, HiSilicon discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2304842](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304842.zip) Discussion on the update of event ID Huawei, HiSilicon discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2304972](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304972.zip) RAN2 Impact of 5GS network timing synchronization status and reporting CATT discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2304973](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304973.zip) Discussion on RAN feedback CATT discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2305079](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305079.zip) RAN feedback for burst sending time adjustment Apple discussion Rel-18 DUMMY

[R2-2305080](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305080.zip) 5GS Network Timing Synchronization in RRC\_INACTIVE Apple discussion Rel-18 DUMMY

[R2-2305129](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305129.zip) Clock Quality Report Delivery Qualcomm Incorporated discussion Rel-18

[R2-2305130](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305130.zip) UL BAT Derivation at RAN Qualcomm Incorporated discussion Rel-18

[R2-2305627](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305627.zip) Discussion on the network timing synchronization status monitoring CMCC discussion Rel-18

[R2-2305656](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305656.zip) 5GS network timing synchronization status and reporting Nokia, Nokia Shanghai Bell discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2305657](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305657.zip) Reactive RAN feedback for upstream scheduling Nokia, Nokia Shanghai Bell discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2305738](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305738.zip) Signaling of 5G Clock Quality Information Samsung discussion Rel-18

[R2-2305739](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305739.zip) Time Synchronization Status Update via EventID Samsung discussion Rel-18

[R2-2305966](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305966.zip) Further discussion on time synchronization status and reporting ZTE Corporation, Sanechips discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2305967](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305967.zip) Discussion on the issue of RACH congestion ZTE Corporation, Sanechips discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2306343](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306343.zip) Discussion on 5G network timing synchronization status and reporting China Telecom Corporation Ltd. discussion

[R2-2306464](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306464.zip) Burst Arrival Time (BAT) offset derivation Ericsson discussion Rel-18 TRS\_URLLC-NR-Core

[R2-2306473](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306473.zip) Discussion on NR timing resiliency Ericsson discussion Rel-18 TRS\_URLLC-NR-Core

## 7.24 NR 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).

SR Periodicity 30 120 kHz SCS

Offline first

[R2-2305769](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305769.zip) CR to add SR periodicities for 30 and 120 kHz subcarrier spacing [SR-Periods-30-120-kHz] Ericsson CR Rel-18 38.331 17.4.0 3971 1 C TEI18 R2-2302889

[R2-2305770](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305770.zip) CR to add SR periodicities for 30 and 120 kHz subcarrier spacing [SR-Periods-30-120-kHz] Ericsson CR Rel-18 38.306 17.4.0 0891 1 C TEI18 R2-2302894

* [AT122][002][TEI18] SR Periodicity 30 120 kHz SCS (Ericsson)

Scope: Iron out CR details. Produce agreeable CRs.

Intended outcome: CRs that are Endorsable / In-Principle-Agreeable.

Deadline: CB Thursday

[R2-2306770](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306770.zip) CR to add SR periodicities for 30 and 120 kHz subcarrier spacing [SR-Periods-30-120-kHz] Ericsson, Huawei, ZTE Corporation CR Rel-18 38.331 17.4.0 3971 2 C TEI18 R2-2302889

* Agreed in principle (need final agreement at Rel-18 TS creation)

R2-2306773 CR to add SR periodicities for 30 and 120 kHz subcarrier spacing [SR-Periods-30-120-kHz] Ericsson, Huawei, ZTE Corporation CR Rel-18 38.306 17.4.0 0891 2 C TEI18 R2-2302894

* Agreed in principle (need final agreement at Rel-18 TS creation)

Positioning (handled by Nathan)

1-symbol PRS

[R2-2304609](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304609.zip) LS on 1-symbol PRS (R1-2302201; contact: ZTE) RAN1 LS in Rel-18 TEI18 To:RAN2, RAN3 Cc:RAN4

[R2-2304623](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304623.zip) Reply LS on 1-symbol PRS (R3-231935; contact: ZTE) RAN3 LS in Rel-18 TEI18 To:RAN1 Cc:RAN2

[R2-2306079](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306079.zip) Introduction of 1-symbol PRS in 38.331[1symbol\_PRS] ZTE Corporation CR Rel-18 38.331 17.4.0 4014 1 B TEI18 R2-2303498

[R2-2306080](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306080.zip) Introduction of 1-symbol PRS in 37.355[1symbol\_PRS] ZTE Corporation CR Rel-18 37.355 17.4.0 0437 1 B TEI18 R2-2303499

[R2-2306081](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306081.zip) Introduction of UE capability of 1-symbol PRS in 37.355[1symbol\_PRS] ZTE Corporation CR Rel-18 37.355 17.4.0 0453 - B TEI18

[R2-2306082](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306082.zip) Introduction of UE capability of 1-symbol PRS in 38.331[1symbol\_PRS] ZTE Corporation CR Rel-18 38.331 17.4.0 4128 - B TEI18

[R2-2306083](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306083.zip) Introduction of UE capability of 1-symbol PRS in 38.306[1symbol\_PRS] ZTE Corporation CR Rel-18 38.306 17.4.0 0923 - B TEI18

### 7.24.2 TEI proposals by RAN2

Items initiated in RAN2.

Tdoc limitation: 1 tdoc, limitation only applicable for non-previously-agreed-to-be-considered TEI proposals.

Agreed or Ongoing proposals

RedCap CFR

[R2-2305954](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305954.zip) Discussion on Separate RedCap CFR for MBS Broadcast Qualcomm Incorporated, Ericsson, Verizon, FirstNet discussion Rel-18 TEI18

* noted

[R2-2305955](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305955.zip) RedCap CFR for MBS broadcast [RedCapMBS\_Bcast] Qualcomm Incorporated, Ericsson, Verizon, FirstNet CR Rel-18 38.331 17.4.0 4123 - B TEI18, NR\_MBS-Core, NR\_redcap-Core

- ZTE think that it must be supported in all scenarios that Redcap UE is used without CORESET0, which is not supported currently.

- Chair: confused discussion, but it is concluded that the CRs work.

- There is sustained objection from NEC, strong preference to only agree the Huawei proposal.

R2-2306829

DISCUSSION

- HW point out that case C is already possible. QC agrees but think other cases are important.

- QC would be ok if P3 would be in R18.

- Ericsson would also like to not have restrictions.

[R2-2304779](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304779.zip) Open Issues on RedCap CFR for MBS Broadcast CATT, CBN discussion Rel-18 TEI18

- 38331 change is in FD in the QC proposal.

- 38300 change: intentions seems compatible with QC CR. Not clear whether these clarifications are needed or are correctly phrased. There is some support and some requests to check.

* Network shall ensure that the UE doesn’t receive DCIs targeting different CFR for same GRNTI.

[R2-2304822](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304822.zip) Discussion on the CFR for Redcap UE Huawei, CBN, HiSilicon discussion Rel-18 TEI18

[R2-2304823](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304823.zip) Correction on RRC for Redcap CFR Huawei, CBN, HiSilicon CR Rel-18 38.331 17.4.0 4075 - F TEI18

- Huawei explains that this is intended for Rel-17, Samsung think the WI code should be R17 MBS.

- ZTE don’t agree.

- CATT support to clarify this in Rel-17.

- QC point out that this only support case C (for all the UEs in the cell).

* CB Friday: Operators view whether this CR could be sufficient to satisfy the immediate needs.

[R2-2305665](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305665.zip) Correction options on RedCap MBS Broadcast reception in TEI18 ZTE, Sanechips discussion Rel-18 TEI18

Cross-Carrier Scheduling Configuration

[R2-2306038](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306038.zip) On Releasing Cross-Carrier Scheduling Configuration Samsung discussion TEI18

- Apple prefer to not have implicit approach.

- MTK think that the HW solution is preferred.

- Samsung think there are no interoperability issues

- HW think it is also an issue that the UE need to know what is the network.s assumption.

* Noted

[R2-2306200](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306200.zip) Configuration release of cross carrier scheduling Huawei, HiSilicon, Telecom Italia, China Unicom discussion Rel-18 TEI18

* Noted

[R2-2306201](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306201.zip) Support of releasing crossCarrierSchedulingConifig Huawei, HiSilicon, Telecom Italia, China Unicom draftCR Rel-18 38.331 17.4.0 C TEI18

[R2-2306202](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306202.zip) UE capability for releasing crossCarrierSchedulingConifig Huawei, HiSilicon, Telecom Italia, China Unicom draftCR Rel-18 38.306 17.4.0 C TEI18

- Apple think we can have R17 CRs.

* CRs from Rel-17, WI codes NR-newRAT+TEI17, add to conseq if not approved , Without full config”, Cat F.
* R17 CRs are agreed unseen.

New proposals

Inter-frequency Measurements

[R2-2305774](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305774.zip) Discussion on the issue of unpredictable measurement sequence for inter-frequency measurement reporting and specification impact CMCC, Ericsson, CATT discussion Rel-18 TEI18

* [AT122][003][TEI18] Inter-freq Measurements (CMCC)

Similar issue has been brought up earlier and it seems there may be interest to resolve something.

Scope: Collect comments one round, 1: to clarify the issue(s) that are desired to be resolved,

2: the needed scope of 3GPP work/discussions to address the issue (s) ..

Intended outcome: Brief Report, paving the way to make go/nogo decision for this in the scope of TEI18.

Deadline: CB Wednesday

[R2-2306762](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306762.zip) [AT122][003][TEI18] Inter-frequency Measurements (CMCC) CMCC

DISCUSSION

P2

- Apple would like to keep this within R2, not ok with R4 impact FFS. Can accept to keep as UE implementation. QC agrees with Apple to avoid R4 impact, think this could be seen as a recommendation within the R4 requirements scope.

- Nokia think this could be useful but think it cannot be left for UE impl. Ericsson agrees.

- MTK agrees with the issue, but think this requires RAN4 involvement.

- Chair think this is also a lack of info in the measurement report.

- CMCC clarifies that different freq may have different purpose/service, e.g. for a voice call the network would handover the UE to the appropriate network. CMCC has up to 15 voice frequencies (some indoor some outdoor) and the UE need to measure some frequencies ASAP when a measurement configuration is received by the UE.

- ZTE agrees and think the usual UE behaviour is that UEs measurement.

- Chair wonder then if Option 1 is a good solution as ZTE indicated that this is normal behaviour.

- HW think UE can normally measure also according to SSB order.

- Apple not comfortable w option 1. MTK has concerns on as well. QC as well.

- Ericsson think a UE solution need to be normative, could be with UE cap, which is ok.

* The issue is about latency from MO configuration to Measurement Report for the most interesting frequency(ies) e.g. for the service of the UE. More specifically at the time of measurement report, the network cannot know which frequencies the UEs has already measured, so there is no way for the network to decide to wait or not for another potential measurement report (expect the network to act immediately on the first measurement report).
* There is support to attempt a solution for Rel-18. Solution discussion next meeting.

[R2-2305350](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305350.zip) SDT Enhancements for Configured grants [SDT-Enh-CG] Ericsson, Intel Corporation, T-Mobile USA, ZTE Corporation discussion Rel-18 TEI18

- ZTE point out that that P4 was agreed in MT-SDT session

- Chair wonder if we can agree to the other proposals.

P1a

- QC think this may have R1 impact if going > 640ms. Think that UE power saving and search space configuration etc will be impacted.

- Ericsson think that the reason is for resource consumption for use cases that don’t need frequent resources.

- ZTE think the time would be in hours. Apple think that for such cases RACH SDT can be used

- ZTE and HW think that impact to R1 is limited and just new values in the table are needed.

- Nokia wonder if we need to cover the fallback, it seems different.

- Chair: considering that P4 was agreed, it seems there is no support for further agreements

* Agreeable, under condition that RAN1 impact is very small (e.g. update of a table): Extend the maximum periodicity for CG-SDT to cover longer periodicities.
* Send LS to R1 ask about impact.
* [AT122][037][TEI18] LS to R1 on long CG SDT periodicity (Ericsson)
* CB friday

[R2-2304877](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304877.zip) Signalling overhead reduction of DC location reporting signalling [DCLoc-Overhead] Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18 R2-2302775

- QC understands the intention, and are ok with attempting a solution, but the solution need to be simple.

- Chair can attempt to finally agree based on CR next meeting.

* On the table (but not yet agreed): Introduce an extension to Rel-17 DC location signalling request that allows network to indicate which DC locations it is (not) interested in.

[R2-2306163](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306163.zip) RRC segment transmission continuity Apple discussion Rel-18 TEI18, NR\_newRAT-Core R2-2303424

[R2-2306208](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306208.zip) Discussion on UE behaviours of delay measurements upon MO updates Huawei, HiSilicon discussion Rel-18 TEI18

[R2-2305427](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305427.zip) Improvement of handling of timeConnFailure Nokia, Nokia Shanghai Bell discussion Rel-18 TEI18, NR\_SON\_MDT-Core

Positioning and SL Relay

See Nathans session notes

[R2-2304838](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304838.zip) GNSS LOS/NLOS assistance information, stage 3 details and corrections Vodafone, Spirent, Ericsson, Telecom Italia discussion Rel-18

=> Revised in [R2-2306534](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306534.zip)

[R2-2306534](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306534.zip) GNSS LOS/NLOS assistance information, stage 3 details and corrections Vodafone, Spirent, Ericsson, Telecom Italia discussion Rel-18

[R2-2305474](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305474.zip) GNSS LOS/NLOS assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia CR Rel-18 37.355 17.4.0 0446 - B TEI18

=> Revised in [R2-2306537](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306537.zip)

[R2-2306537](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306537.zip) GNSS LOS/NLOS assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia, Samsung CR Rel-18 37.355 17.4.0 0446 1 B TEI18

[R2-2305481](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305481.zip) GNSS LOS/NLOS posSIB broadcast assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia CR Rel-18 38.331 17.4.0 4109 - B TEI18

=> Revised in [R2-2306536](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306536.zip)

[R2-2306536](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306536.zip) GNSS LOS/NLOS posSIB broadcast assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia, Samsung CR Rel-18 38.331 17.4.0 4109 1 B TEI18

[R2-2305490](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305490.zip) GNSS LOS/NLOS posSIB broadcast assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia CR Rel-18 36.331 17.4.0 4931 - B TEI18

=> Revised in [R2-2306535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306535.zip)

[R2-2306535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306535.zip) GNSS LOS/NLOS posSIB broadcast assistance information [GNSS LOS/NLOS] Vodafone, Spirent, Ericsson, Telecom Italia, Samsung CR Rel-18 36.331 17.4.0 4931 1 B TEI18

[R2-2305265](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305265.zip) Discussion on Yaw and APC enhancements Swift Navigation discussion

[R2-2305216](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305216.zip) Discussion on how to support posSIB(s) forwarding Xiaomi discussion

[R2-2305850](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305850.zip) Positioning and posSIB forwarding for remote UEs MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo discussion Rel-18 TEI18

[R2-2305865](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305865.zip) Downlink positioning performance results for remote UEs out of coverage MediaTek Inc. discussion Rel-18 TEI18

[R2-2306019](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306019.zip) Relay based Positioning posSIB forwarding Ericsson discussion Rel-18

[R2-2305852](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305852.zip) Positioning restrictions for UE-to-network remote UEs [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo, Ericsson CR Rel-18 38.305 17.4.0 0134 1 C TEI18 R2-2304318

[R2-2305854](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305854.zip) Support positioning of L2 UE-to-network remote UEs [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo, Ericsson CR Rel-18 37.355 17.4.0 0444 1 C TEI18 R2-2304319

[R2-2305857](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305857.zip) Downlink positioning support and posSIB request for L2 UE-to-network remote UE [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo, Ericsson CR Rel-18 38.331 17.4.0 4066 1 C TEI18 R2-2304320

[R2-2305859](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305859.zip) Capabilities of L2 UE-to-network relay UEs for positioning [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo, Ericsson CR Rel-18 38.306 17.4.0 0907 1 C TEI18 R2-2304454

[R2-2305889](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305889.zip) Support of Local Cartesian Coordinates in LPP Qualcomm Incorporated discussion

[R2-2305891](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305891.zip) Support of Local Cartesian Coordinates in LPP [PosLocalCoords] Qualcomm Incorporated CR Rel-18 37.355 17.4.0 0447 - C TEI18

[R2-2306221](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306221.zip) Introduction of ‘multiple QoS’ class in positioning Samsung R&D Institute UK, Ericsson, Huawei, HiSilicon discussion

[R2-2306516](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306516.zip) Considerations on voice and video support for Relays Philips International B.V., MediaTek, Vivo, FirstNet, KPN, TNO, Kyocera discussion Rel-18 NR\_SL\_relay-Core R2-2200413

[R2-2304759](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304759.zip) Discussion on emergency cause value for SL Relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core, TEI18

[R2-2304974](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304974.zip) Discussion on MUSIM paging cause forwarding vivo discussion

[R2-2305014](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305014.zip) Paging Cause forwarding Samsung Electronics Co., Ltd discussion Rel-18 TEI18

Withdrawn

R2-2306146 Introduction of ‘multiple QoS’ class in positioning Samsung R&D Institute UK discussion Withdrawn

## 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.

Time budget: 2 TU

Tdoc Limitation: -

### 7.25.1 RAN4 led items

LS in

[R2-2304640](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304640.zip) LS on RS supported for group-based reporting (R4-2306394; contact: Ericsson) RAN4 LS in Rel-18 NR\_FR2\_multiRX\_DL-Core To:RAN1 Cc:RAN2

RAN2 is CCed, propose Noted

* Noted

Non Simultaneous UL and DL

[R2-2304642](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304642.zip) LS on non-simultaneous UL and DL from different two bands during UL CA (R4-2306465; contact: Nokia) RAN4 LS in Rel-18 NR\_700800900\_combo\_enh-Core To:RAN2

* Noted

[R2-2304878](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304878.zip) Non-simultaneous UL and DL from different two bands during UL CA Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_700800900\_combo\_enh-Core

DISCUSSION

P1

- Ericsson agrees. ZTE agrees

P2

- Ericsson are Not sure. HARQ signalling is per serving cell, maybe impact.

- Apple think it requires significant changes in TS and functionality. QC agrees

- QC think we can indicate for both schuduling based and semi-static approaches it is difficult, we can indicate this.

- ZTE think such change may be possible, think the condition can be updated. Think it relies on cross carrier scheduling. Think RRM measurements can be restricted.

- Nokia think there are lots of potential issues that RAN4 doesn’t ask about.

- vivo think UE capability is impacted. Think this is based on DL. Think SUL kind of modelling may be easier.

- vivo want to indicate UE caps. Chair think we consider this after reply from R4.

- ZTE want to discuss signalling. HW think we cannot converge without replies.

* Send reply LS, state this is not supported in existing RAN2 TS. The impact to RAN2 TS could not be determined and depends on solution choices, e.g. for HARQ, RRM measurements. Can ask also e.g. if R4 sees problem with cross-carrier scheduling for this case ..
* [AT122][023][NR18] Non-simultaneous UL and DL from different two bands during UL CA (Nokia)

CB agreeable LS out

[R2-2306566](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306566.zip) [DRAFT] Reply LS on non-simultaneous UL and DL from different two bands during UL CA Nokia LS out

* CC:R1, and with this change the LS out is approved in R2-2306862

[R2-2305399](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305399.zip) Consideration on non-simultaneous UL and DL in UL CA ZTE Corporation, Sanechips discussion Rel-18 NR\_700800900\_combo\_enh-Core

- HW think this is not easy, e.g. DL synch e.g. ack-nack.

* noted

[R2-2305414](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305414.zip) Discussion on non-simultaneous UL and DL from different two bands during UL CA vivo discussion Rel-18 NR\_700800900\_combo\_enh-Core

[R2-2306091](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306091.zip) Discussion on non-simultaneous UL and DL from different two bands during UL CA Huawei, HiSilicon discussion Rel-18 NR\_700800900\_combo\_enh-Core

[R2-2306175](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306175.zip) Discussion on non-simultaneous UL and DL from different two bands during UL CA CATT discussion Rel-18 NR\_700800900\_combo\_enh-Core

Cross-RRH TCI State

[R2-2304641](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304641.zip) LS on MAC-CE Based Indication for Cross-RRH TCI State Switch (R4-2306399; contact: Nokia) RAN4 LS in Rel-18 NR\_HST\_FR2\_enh To:RAN2 Cc:RAN1

- Nokia observes that the UE behaviour is not clear from the RAN4 LS. But a MAC CE is easy to add.

* noted

[R2-2306367](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306367.zip) Cross RRH TCI state switch Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_HST\_FR2\_enh

* RAN2 confirms that it seems feasible to specify a new MAC CE
* Send Reply LS, ask what is the intended UE behaivour(s) .. can ask details, e.g. acc to other contributions.
* [AT122][026][NR18] LS out on cross RRH TCI state switch (Nokia)

CB

[R2-2306567](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306567.zip) [DRAFT]Reply LS on MAC-CE Based Indication for Cross-RRH TCI State Switch Nokia LS out

* Approved in R2-2306865

[R2-2305036](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305036.zip) Discussion on RAN4 LS on MAC-CE Based Indication for Cross-RRH TCI State Switch Ericsson discussion Rel-18 NR\_HST\_FR2\_enh

[R2-2305050](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305050.zip) RAN2 Impacts of Cross-RRH TCI State Switch vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_HST\_FR2\_enh-Core

[R2-2306104](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306104.zip) Discussion on MAC-CE based indication for cross-RRH TCI state switch Huawei, HiSilicon discussion Rel-18 NR\_HST\_FR2\_enh

[R2-2305038](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305038.zip) Draft LS reply to RAN4 LS R4-2306399 Ericsson LS out Rel-18 NR\_HST\_FR2\_enh To:RAN4 Cc:RAN1

[R2-2305037](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305037.zip) Draft CR to MAC spec changes on Cross-RRH TCI State Switch indication Ericsson draftCR Rel-18 38.321 17.4.0 B NR\_HST\_FR2\_enh

Lower MSD

[R2-2304644](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304644.zip) LS on lower MSD capability (R4-2306594; contact: Huawei) RAN4 LS in Rel-18 NR\_ENDC\_RF\_FR1\_enh2 To:RAN2

* noted

[R2-2306513](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306513.zip) Discussion on lower MSD capabilities Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

[R2-2305843](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305843.zip) Support of lower MSD capability Ericsson discussion

- Ericsson think that the idea form R4 is for signalling optimization

[R2-2306308](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306308.zip) Consideration on Lower MSD Capability Signaling ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

* 3 tdocs noted

DISCUSSION

- Xiaomi agrees with Ericsson tdoc, the R4 inheritance proposal is not consistent. Furthermore, Think we can await discussion on filtering, until we have done a solution, and know better the issues.

* R2 intends to support capability reporting to fullfill RAN4s requirements.
* R2 assumes that the proposed inheritance mechanism is for signaling optimization. It it not consistent with current mechanisms and R2 might not apply it.
* We send Reply LS
* Invite for solutions discussion for next meeting.
* [AT122][027][NR18] Reply LS on Lower MSD Capability Signaling (Huawei)

CB at available CB occasion

[R2-2306772](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306772.zip) Reply LS on Lower MSD Capability Signaling Huawei LS out

* Remove “As for the signalling design in the LS”. With this change SL is approved in R2-2306866

[R2-2304879](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304879.zip) Lower MSD capability Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2-Core

[R2-2306375](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306375.zip) Discussion on the lower MSD capability Xiaomi discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

[R2-2304672](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304672.zip) Discussion on MSD Capability OPPO discussion Rel-18 NR\_ENDC\_RF\_FR1\_enh2

[R2-2306213](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306213.zip) Discussion on Lower MSD Signalling vivo discussion Rel-18

SCell Activation

[R2-2304636](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304636.zip) LS on FR2 unknown SCell activation enhancement (R4-2306321; contact: Apple) RAN4 LS in Rel-18 NR\_RRM\_enh3 To:RAN2 Cc:RAN1

- Chair ask what is unknown

- QC clarifies that is UE send measurement withing 5s a cell is considered known

* noted

[R2-2306164](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306164.zip) FR2 SCell Enhancement Apple discussion Rel-18 NR\_RRM\_enh3

DISCUSSION

- OPPO wonder if RRC activation is included. Apple think RAN4 has not considered the RRC activation.

- Apple think for now we just answer the questions.

- ZTE think R4 agreed to not include RRC activation.

- Chair wonder about the trigger condition. Apple think R4 may specify a trigger condition.

- Ericsson think this is just triggered by the MAC CE. Nokia agrees.

* Send Reply LS based on the proposals in [R2-2306164](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306164.zip). Details offline (e.g. can consider wording simplifications)
* [AT122][024][NR18] LS out FR2 unknown SCell activation enhancement (Apple)

CB

[R2-2306823](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306823.zip) DRAFT LS reply on FR2 unkonwn SCell activation enhancement Apple LS out

* For Q1, remove “for SCell”. With this modification LS out is approved in R2-2306863

[R2-2306368](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306368.zip) Scell activation and L3 reporting Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_RRM\_enh3

[R2-2306190](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306190.zip) Discussion on RAN4 LS on FR2 unknown SCell activation enhancement Huawei, HiSilicon discussion Rel-18 NR\_RRM\_enh3

[R2-2305428](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305428.zip) Discussion on FR2 unknown SCell activation enhancement vivo discussion Rel-18 NR\_RRM\_enh3

[R2-2305476](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305476.zip) Measurement reporting for FR2 unknown SCell LG Electronics Inc. discussion Rel-18 NR\_RRM\_enh3

[R2-2305406](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305406.zip) Discussion on FR2 unknown SCell activation enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_RRM\_enh3-Core

[R2-2306017](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306017.zip) Discussion on FR2 unknown SCell activation enhancement Ericsson discussion Rel-18 TEI18, NR\_RRM\_enh3

[R2-2306165](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306165.zip) Draft LS reply on on FR2 unknown SCell activation enhancement Apple LS out Rel-18 NR\_RRM\_enh3 To:RAN4 Cc:RAN1

NS Value Extension

[R2-2304643](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304643.zip) Response LS on extending the maximum range for NS values (R4-2306560; contact: Apple) RAN4 LS in Rel-18 NR\_unlic\_enh To:RAN2

[R2-2305106](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305106.zip) Addition of extended NS value range Apple Inc CR Rel-17 38.331 17.4.0 3900 2 F NR\_unlic\_enh [R2-2302185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2302185.zip)

[R2-2305107](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305107.zip) Addition of extended NS value range Apple Inc CR Rel-17 36.331 17.4.0 4917 2 F NR\_unlic\_enh [R2-2302186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_121\Docs\R2-2302186.zip)

MGE2

[R2-2306062](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306062.zip) Introduction of capability for inter-RAT LTE measurements without gap or interruption Huawei, HiSilicon draftCR Rel-18 38.306 17.4.0 NR\_MG\_enh2

- MTK understands this will be addressed by a incoming R4 LS. HW think it is ok to wait

* Postponed

[R2-2305405](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305405.zip) Discussion on no-gap measurement without interruption ZTE Corporation, Sanechips discussion Rel-18 NR\_MG\_enh2-Core

* Noted

[R2-2306280](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306280.zip) Introduction of measurements without gap with interruption MediaTek Inc., Huawei, HiSilicon CR Rel-18 36.331 17.4.0 4929 1 B NR\_MG\_enh2-Core R2-2304432

[R2-2306282](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306282.zip) Introduction of measurements without gap with interruption MediaTek Inc., Huawei, HiSilicon CR Rel-18 36.306 17.4.0 1870 1 B NR\_MG\_enh2-Core R2-2304433

[R2-2306283](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306283.zip) Introduction of measurements without gap with interruption MediaTek Inc., Huawei, HiSilicon CR Rel-18 38.331 17.4.0 4063 1 B NR\_MG\_enh2-Core R2-2304434

[R2-2306284](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306284.zip) Introduction of measurements without gap with interruption MediaTek Inc., Huawei, HiSilicon CR Rel-18 38.306 17.4.0 0906 1 B NR\_MG\_enh2-Core R2-2304435

DISCUSSION

- Nokia point out that for LTE CRs it is very important that there is backwards compatibility, and legacy network do not expect interruption.

* R2 signalling will allow full backwards compatibility (details may be up to RAN4)
* [AT122][031][MGE] measurements without gap with interruption (MTK)
* CB, update CRs offline to cover e.g. aspects from ZTE tdcoc

Air to Ground

[R2-2305204](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305204.zip) Discussion on the support of Air to ground access Qualcomm Incorporated discussion Rel-18 NR\_ATG-Core

[R2-2305733](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305733.zip) Discussion on the support of ATG Xiaomi discussion Rel-18

BWP without SSB

Postponed. Wait for progress in RAN1 and RAN4

[R2-2306328](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306328.zip) Correction on 38.306 for BWP Wor vivo, Guangdong Genius CR Rel-18 38.306 17.4.0 0926 - B NR\_BWP\_wor-Core

[R2-2304925](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304925.zip) Correction on 38.300 for BWP Wor vivo, Guangdong Genius CR Rel-18 38.300 17.4.0 0670 - B NR\_BWP\_wor-Core

[R2-2304926](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304926.zip) Correction on 38.331for BWP Wor vivo, Guangdong Genius CR Rel-18 38.331 17.4.0 4084 - B NR\_BWP\_wor-Core

Withdrawn Revised or not available

R2-2304927 Correction on 38.306 for BWP Wor vivo, Guangdong Genius CR Rel-18 38.331 17.4.0 4085 - B NR\_BWP\_wor-Core Withdrawn

R2-2304880 Finalization of RAN2 work for MG enhancements Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MG\_enh2-Core Late

### 7.25.2 RAN1 led items

E.g. MC enhancements, DSS

MCE

[R2-2304645](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304645.zip) LS on Rel-18 Tx switching across 3/4 bands (R4-2306623; contact: China Telecom) RAN4 LS in Rel-18 NR\_MC\_enh-Core To:RAN1, RAN2

* noted

[R2-2306189](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306189.zip) Remaining issues on RAN2 signalling design for Rel-18 UL Tx switching enhancements Huawei, HiSilicon discussion Rel-18 NR\_MC\_enh-Core

* Noted

DISCUSSION

- Docomo wonder if we agree P6 is then P3 needed. Ericsson think both proposals can be agreed, also P4.

- Ericsson think P5 is not essential. Think P4 can be simplified, think that the “if” indicates optionality, while this is in fact not optional.

- P5: MTK wonder the last

- CATT think that R1617 cap cannot be used for R18 cap. R18 band-pair list should be larger.

- Think the key question is the switching period, whether the R16 field can be used.

P4

- QC wonder if we can have BW compatibility if we use R18 cap for R1617 feature. HW think the legacy network can use the legacy cap.

P6

- ZTE think existing list is problematic due to mandatory presence. HW think this is not an issue, as the IE is reused. Ericsson agrees.

* In Rel-18 UL Tx switching, the 3/4 *FeatureSetUplink* corresponding to the 3/4 UL bands are reported in one row for a given BC including 3/4 UL bands, and fallback and backward compatibility should be supported in the following way:

- The UE needs to guarantee the *FeatureSetUplink*s reported for Rel-18 UL Tx switching are applicable to Rel-16/Rel-17 Tx switching (as the Rel-16/Rel-17 switching period is reported for that band pair and the same switching option of the band pair is supported for Rel-16/Rel-17 switching).

- The UE can report FSC row for Rel-16/Rel-17 UL Tx switching explicitly if the Rel-16/Rel-17 switching period is reported for that band pair in case of different fallback.

* RAN2 confirm the intention that Rel-16 band pair list is reused to indicate Rel-18 per-band pair capability which is the same as in Rel-17.
* RAN2 to introduce a per-BC capability of Minimum separation time. The exact values of the capability is pending to RAN1.

[R2-2305398](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305398.zip) Discussion on Rel-18 UL Tx switching capability ZTE Corporation, Sanechips discussion Rel-18 NR\_MC\_enh-Core

* noted

DISCUSSION

- Docomo agrees with P2 and P3. Switching option should be reported if R18 TXswitching is supported

- Apple think that we can mandate support of R1617 TX switching for all band pairs. Wonder if R2 can decide, or if R1R4 should be involved.

- CATT agrees with P2 but not P3.

- ZTE think P3 is needed.

- QC think that P2 is ok but not ok to conclude P3 for 1T-1T in RAN2, can make it an assumption

- HW think P3 can be supported.

- Chair think it is ok to check e.g. P3 with colleges in R1 and R4 and if there are issues we can change, will not approve CRs anyway.

* For Rel-18 UL Tx switching (1T-1T and/or 1T-2T and/or 2T-2T) across 3 or 4 bands the UE shall indicate the support of UL Tx switching (e.g. at least switchedUL) for ALL possible band pairs.
* Allow the UE to report switching period for a band pair in which the two bands do not support 2-layers UL MIMO.

[R2-2305242](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305242.zip) Discussion on Rel-18 UL Tx Switching CATT discussion Rel-18 NR\_MC\_enh

P5

- ZTE think this is signalling optimization. HW agrees.

* noted

[R2-2306432](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306432.zip) Remaining issues on Rel-18 UL Tx switching NTT DOCOMO INC. discussion Rel-18

[R2-2304671](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304671.zip) Discussion on R18 UL Tx Switching OPPO discussion Rel-18 NR\_MC\_enh-Core

[R2-2305339](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305339.zip) discussion on UL tx switching vivo discussion Rel-18

[R2-2305844](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305844.zip) Fallback compatibility for UL Tx switching Rel-18 Ericsson discussion

[R2-2306172](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306172.zip) Leftover issues in UL Tx switching Apple discussion Rel-18 NR\_MC\_enh-Core

* 5 tdocs noted

[R2-2306186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306186.zip) RRC configuration for Rel-18 UL Tx switching enhancements Huawei, HiSilicon, NTT DOCOMO INC. CR Rel-18 38.331 17.4.0 4138 - C NR\_MC\_enh-Core

[R2-2306187](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306187.zip) UE capability reporting for Rel-18 UL Tx switching enhancements Huawei, HiSilicon, NTT DOCOMO INC. CR Rel-18 38.331 17.4.0 4139 - C NR\_MC\_enh-Core

[R2-2306188](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306188.zip) UE capabilities of Rel-18 UL Tx switching enhancements Huawei, HiSilicon, NTT DOCOMO INC. CR Rel-18 38.306 17.4.0 0924 - C NR\_MC\_enh-Core

* Revised, 3 CRs for email approval

DISCUSSION

- CRs for email approval, take into account agreement LSes from RAN4 and RAN1 if applicable.

- Chair wonder about other WI objectives. The WI is supposed to be closed but it is difficult to claim that it is closed in RAN2 without CRs. ‘

- Huawei think we can check offline RAN1 progress and plans. Maybe this can be included.

* CB: Check progress for other objective of MCE
* [Post122][025][MCE] MCE TX switching CRs (Huawei)

Scope: finish CRs for TX switching, based on agreements and further LS updates from RAN4 and RAN1.

Intended Outcome: In-principle-Agreed CRs (complete but not for TSG RAN)

Deadline: Short

### 7.25.3 Other

RAN3, SA2, SA3, CT1 led items and others, e.g. eNPN

LS in

[R2-2304607](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304607.zip) Reply LS on 3GPP work on Energy Efficiency (C3-231470; contact: Huawei) CT3 LS in Rel-18 To:SA5 Cc:CT1, CT3, CT4, CT, SA, RAN, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4

Propose Noted (wo presentation)

[R2-2304603](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304603.zip) Reply LS on 3GPP work on Energy Efficiency (C1-232650; contact: Huawei) CT1 LS in Rel-18 EE5GPLUS\_Ph2 To:SA5 Cc:SA, RAN, CT, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT3, CT4

Propose Noted (wo presentation)

[R2-2304604](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304604.zip) Reply LS on Research highlighting potential 5G and 4G Bidding Down Attacks (C1-232756; contact: Ericsson) CT1 LS in Rel-18 SAES18 To:GSMA CVD Cc:SA3, RAN2

Propose Noted (wo presentation)

* 3 LSes Noted

Slicing

[R2-2304654](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304654.zip) Reply LS on partially allowed/rejected S-NSSAI (S2-2306254; contact: Nokia) SA2 LS in Rel-18 eNS\_Ph3 To:RAN3, RAN2

- Huawei think this is not urgent.

* Noted
* postponed

[R2-2304653](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304653.zip) Reply LS on Support of network slices which have area of service not matching deployed tracking areas (S2-2306045; contact: Ericsson) SA2 LS in Rel-18 eNS\_Ph3 To:RAN3 Cc:RAN2

* Noted

[R2-2304606](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304606.zip) LS on NAS-AS interaction in terms of NS-AoS (C1-232944; contact: Nokia) CT1 LS in Rel-18 eNS\_Ph3 To:RAN2 Cc:SA2

- LG think this is just modelling, prefer Alt2. HW agree with LG, this follow legacy principle, Ericsson agrees.

* Noted

[R2-2305416](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305416.zip) Reply LS proposal for C1-232944/[R2-2304606](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304606.zip) (LS on NAS-AS interaction in terms of NS-AoS) Nokia, Nokia Shanghai Bell discussion Rel-18 eNS\_Ph3

- Proposes Alt1.

* We go with Alt2, send reply LS
* [AT122][032][Slice18] Reply LS on NAS-AS interaction in terms of NS-AoS (Nokia)
* CB

eNPN

On 38300, await RAN3 progress (possibly RAN3 will cover all Stage-2 update). Other CRs can be progressed

* [AT122][004][eNPN] 38331 and 38304 (China Telecom)

Scope: Based on [R2-2306179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306179.zip) and [R2-2306454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306454.zip) Progress Running CRs 38331 38304. Take into account comments. If needed (up to rapporteur) can in a first step determine agreeable parts of relevant input and proposals to this meeting.

Intended outcome: Endorsable Running CRs

Deadline: CB Thursday Afternoon.

[R2-2306801](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306801.zip) Draft CR to TS 38.304 on introduction of R18 eNPN China Telecom, ZTE Corporation, Sanechips, CATT, Huawei, HiSilicon draftCR Rel-18 38.304 17.4.0 B eNPN\_Ph2-NGRAN-Core

[R2-2306832](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2306832.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306832.zip) (draft CR to TS 38.331) On support of equivalent SNPN China Telecom draftCR Rel-18 38.331 17.4.0 B eNPN\_Ph2-NGRAN-Core

* Both Endorsed

[R2-2306178](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306178.zip) Discussion on further enhancement of NPN in R18 China Telecom discussion Rel-18 eNPN\_Ph2-NGRAN-Core

DISCUSSION

P2

- Lenovo agrees no new capability signalling is needed, but need to be captured in the 38306 as a conditional mandatory feature

* R2 assumes that No new AS UE capability (signalled) is needed for supporting R18 eNPN features. FFS any 38.306 impact for conditional UE cap dependent on NAS cap.

[R2-2306179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306179.zip) Draft CR to TS 38.304 on introduction of R18 eNPN China Telecom, ZTE Corporation, Sanechips, CATT, Huawei, HiSilicon draftCR Rel-18 38.304 17.4.0 B eNPN\_Ph2-NGRAN-Core

[R2-2306454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306454.zip) (draft CR to TS 38.331) On support of equivalent SNPN China Telecom draftCR Rel-18 38.331 17.4.0 B eNPN\_Ph2-NGRAN-Core

* Both revised

[R2-2304778](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2304778.zip) Remaining issues on Further Enhancement NPN CATT discussion Rel-18

[R2-2305140](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305140.zip) Discussion on RAN impacts of further NPN enhancement Lenovo discussion Rel-18 eNPN\_Ph2-NGRAN-Core

[R2-2306073](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306073.zip) Discussion on RAN impact for NPN enhancement in Rel-18 Huawei, HiSilicon discussion Rel-18 eNPN\_Ph2

[R2-2306214](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306214.zip) Discussion on further enhancement of private network support for NG-RAN vivo discussion Rel-18

[R2-2306441](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306441.zip) Discussion for NPN Rel-18 Ericsson discussion Rel-18 eNPN\_Ph2-NGRAN-Core

[R2-2306180](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306180.zip) (draft CR to TS 38.300) On introduction of R18 eNPN China Telecom, ZTE Corporation, Sanechips, CATT draftCR Rel-18 38.300 17.4.0 B eNPN\_Ph2-NGRAN-Core

[R2-2306442](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306442.zip) 38.300 DraftCR for NPN Rel-18 Ericsson draftCR Rel-18 38.300 17.4.0 B eNPN\_Ph2-NGRAN-Core

[R2-2306443](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306443.zip) 38.304 DraftCR for NPN Rel-18 Ericsson draftCR Rel-18 38.304 17.4.0 B eNPN\_Ph2-NGRAN-Core

[R2-2306444](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306444.zip) 38.331 DraftCR for NPN Rel-18 Ericsson draftCR Rel-18 38.331 17.4.0 B eNPN\_Ph2-NGRAN-Core

### 7.25.4 Self-Evaluation NTN

(FS\_IMT-2020\_Sat\_eval; leading Group: TSG RAN; REL-18; WID: RP-230754)

This will be treated in NTN breakout session (Sergio).

Study on Self-Evaluation towards the 3GPP submission of a IMT-2020 Satellite Radio Interface Technology, including both NR NTN and IoT-NTN. Note that the time allocated will be very limited, and this is expected to be mostly an offline activity.

[R2-2305198](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305198.zip) RAN2 aspects on evaluation methodology for IMT-2020 Satellite Qualcomm Incorporated discussion Rel-18 FS\_IMT2020\_SAT\_eval

[R2-2305410](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305410.zip) Discussion on IMT-2020 Satellite self-evaluation for Latency and Mobility THALES discussion Rel-18 NR\_NTN\_enh-Perf

[R2-2305965](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2305965.zip) Self Evaluation for NR NTN Huawei, HiSilicon discussion Rel-18 FS\_IMT2020\_SAT\_eval

[R2-2306469](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306469.zip) Satellite IMT-2020 RAN2 aspects 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 NR NTN and IoT NTN

R2-2306541 Report from Break-Out Session on NR NTN and IoT NTN Vice Chairman (ZTE) Report

## 8.2 Session on LTE legacy, XR, QoE and Multi-SIM

R2-2306542 Report from session on LTE legacy, XR, QoE and Multi-SIM Vice Chairman (Nokia) Report

## 8.3 Session on UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV

R2-2306543 Report from UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV Session chair (InterDigital) Report

## 8.4 Session on positioning and sidelink relay

R2-2306544 Report from session on positioning and sidelink relay Session chair (MediaTek) Report

## 8.5 Session on LTE V2X and NR SL

R2-2306545 Report from session on LTE V2X and NR SL Session chair (Samsung) Report

## 8.6 Session on SON/MDT

R2-2306546 Report from SON/MDT session Session chair (CMCC) Report

## 8.7 Session on MBS

R2-2306547 Report from MBS breakout session Session chair (Huawei) Report

## 8.8 Session on IDC

R2-2306548 Report from IDC breakout session Session chair (Intel) Report

## 8.9 Session on NC Repeater

R2-2306549 Report from NC Repeater breakout session Session chair (Apple) Report

## 8.10 Session on eRedCap

[R2-2306550](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2306550.zip) Report from eRedCap breakout session Session chair (Ericsson) Report

## 8.11 Session on Further NR coverage enhancements

R2-2306551 Report from Further NR coverage enhancements session Session chair (ZTE) Report

## 8.12 Session on NR MIMO evolution

R2-2306552 Report from NR MIMO evolution session Session chair (CATT) Report