3GPP TSG-RAN WG2 Meeting #121 R2-2xxxxxx

Athens, Greece, February 27 - March 3, 2023

Source: RAN2 Chairman (MediaTek)

Title: Chair Notes

# 1 Opening of the meeting

## 1.1 Call for IPR

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| --- |
| The attention of the delegates of this Working Group is drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners **to inform their respective Organizational Partners of Essential IPRs** they become aware of.  The delegates were asked to take note that they were hereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (https://www.etsi.org/images/files/IPR/etsi-ipr-form.doc) |

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.

2/ Please don’t set your WiFi to access point mode, ad-hoc mode, or direct communication mode, as this may cause significant load.

3/ To avoid overload, please don’t use the e-meeting audio / screen sharing tool (GTW) when you are physically at the meeting. This is for remote participants.

## 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

[R2-2300001](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300001.zip) Agenda for RAN2#121 Chairman agenda

* approved

## 2.2 Approval of the report of the previous meeting

[R2-2300002](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300002.zip) RAN2#120 Meeting Report MCC report

* approved

## 2.3 Reporting from other meetings

## 2.4 Instructions

Rel-17 CR

- From R2 121, Rel-17 CRs are treated as normal (as Rel-16 Rel-15 etc), meaning that submitted CRs are agreed/not agreed individually.

- Chair Observation: As for Rel-16 Rel-15 rapporteurs may still do Rel-17 “rapporteur CRs” for miscellaneous small corrections. The work on Rapporteur CRs in normal maintenance phase is usually organized by TS rapporteurs (for maintenance in breakout sessions may alternatively be by WI rapporteur or other appointed).

Rel-17 UE capabilities

- Also for UE capabilities, normal CRs handling is planned, i.e. CRs should be per-WI and no planned merge into mega CRs. However, if it makes sense from some perspective, multi-WI CRs are not precluded (dec case by case).

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).

[R2-2300003](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300003.zip) RAN2 Handbook MCC discussion

* noted

## 2.5 Others

[R2-2301498](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301498.zip) Guidelines on writing a CR MCC discussion

* noted

[R2-2300464](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300464.zip) Discussion on communication via satellite to unmodified UEs Vodafone discussion

**Rapporteur changes**

**Spec former rapporteur proposed new rapporteur**

36.322 Kouhei Harada (NTT Docomo Inc) Riki Okawa (NTT Docomo Inc)

* approved

# 3 Incoming liaisons

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

[R2-2301930](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301930.zip) Research highlighting potential 5G and 4G Bidding Down Attacks GSMA LS in To:CT1, SA3, RAN2

- HW think finding 1 potentially could be looked into (RRC release). Not sure what needs to be done.

- Chair: RAN2 can take action on this if asked by SA3

* noted

[R2-2301932](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301932.zip) Response to “LS from NRG to 3GPP SA2 on UEs behaviour on detecting an emergency call whilst in Limited Service State” (S2-2303306; contact: Vodafone) SA2 LS in Rel-18 To: GSMA NRG, CT1, RAN2

- HW think the LS describe the current R2 behaviour, it is correct and it seems no impact.

- VDF ask to check, think we should reply in any case

- After offline HW reports it was offline decided to not send reply. SA2 reply is sufficient from R2 point of view

* noted

# 4 EUTRA Rel-16 and earlier

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

## 4.1 EUTRA corrections Rel-16 and earlier

(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 AI 5 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

[R2-2301131](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301131.zip) Introduction of Cell Individual Offset for inter-RAT measurement Event B2 Reliance Jio CR Rel-16 36.331 16.11.0 4911 - F TEI16 Late

=> Revised in R2-2301928

R2-2301928 Introduction of Cell Individual Offset for inter-RAT measurement Event B2 Reliance Jio, CEWiT, Indian Institute of Technology Madras, Indian Institute of Technology Hyderabad, Saankhya Labs CR Rel-16 36.331 16.11.0 4911 1 F TEI16 Late

[R2-2301133](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301133.zip) Introduction of Cell Individual Offset for inter-RAT measurement Event B2 Reliance Jio CR Rel-17 36.331 17.3.0 4912 - A TEI17 Late

*(moved from 7.1)*

R2-2301929 Introduction of new UE capability towards updated LTE inter-RAT measurement for NR neighbors Reliance Jio, CEWiT, Indian Institute of Technology Madras, Indian Institute of Technology Hyderabad, Saankhya Labs CR Rel-16 36.306 17.3.0 1868 - F TEI16 Late

## 4.2 V2X and Side-link 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 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 is treated in the Positioning Breakout session

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 10 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

PDCCH order Scell

[R2-2301783](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301783.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-15 38.300 15.13.0 0637 - F NR\_newRAT-Core

[R2-2301784](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301784.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-16 38.300 16.11.0 0638 - A NR\_newRAT-Core

[R2-2301785](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301785.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-17 38.300 17.3.0 0639 - A NR\_newRAT-Core

- LG agrees but this feature was supported in LTE. Strange that this was removed. This is important for mgmt. of TAG, so this should be added in Rel-18

- Ericsson think the cover page is a bit misleading. Think the CR is not needed. HW think we should correct Stage-2.

* Agreeable, update the Cover sheet to make clear that no change to the system is intended.

Offline 001 (ZTE), CR

[R2-2302203](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302203.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-15 38.300 15.13.0 0637 1 F NR\_newRAT-Core

[R2-2302204](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302204.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-16 38.300 16.11.0 0638 1 A NR\_newRAT-Core

[R2-2302205](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302205.zip) Clarification on the PDCCH Ordered RACH for SCell in 38.300 ZTE Corporation, Nokia(Rapporteur), Sanechips CR Rel-17 38.300 17.3.0 0639 1 A NR\_newRAT-Core

* 3 crs agreed

RLC re-establishment

[R2-2301679](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301679.zip) Correction on RLC re-establishment in handover vivo CR Rel-15 38.300 15.13.0 0633 - F NR\_newRAT-Core

[R2-2301680](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301680.zip) Correction on RLC re-establishment in handover vivo CR Rel-16 38.300 16.11.0 0634 - A NR\_newRAT-Core

[R2-2301681](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301681.zip) Correction on RLC re-establishment in handover vivo CR Rel-17 38.300 17.3.0 0635 - A NR\_newRAT-Core

3 docs Moved from 6.1.1

- HW think this section is about handover, not about general reconfiguration w synch, and then the current text is ok.

- LGE think this is not needed, this is just added clarification, and is clear otherwise. Samsung agrees

* Not pursued

### 5.1.2 User Plane corrections

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

#### 5.1.2.1 MAC

[R2-2300490](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300490.zip) NRU and 2Step RA Corrections on Rel-16 MAC vivo CR Rel-16 38.321 16.11.0 1515 - F NR\_unlic-Core, NR\_2step\_RACH-Core

[R2-2300493](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300493.zip) NRU and 2Step RA Corrections on Rel-17 MAC vivo CR Rel-17 38.321 17.3.0 1516 - A NR\_unlic-Core, NR\_2step\_RACH-Core

[R2-2300508](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300508.zip) Clarification on triggering condition of SR Samsung R&D Institute India CR Rel-15 38.321 15.13.0 1518 - F NR\_newRAT-Core

[R2-2300510](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300510.zip) Clarification on triggering condition of SR Samsung R&D Institute India CR Rel-16 38.321 16.11.0 1519 - A NR\_newRAT-Core

[R2-2300512](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300512.zip) Clarification on triggering condition of SR Samsung R&D Institute India CR Rel-17 38.321 17.3.0 1520 - A NR\_newRAT-Core

[R2-2301465](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301465.zip) Correction on L1-RSRP measurement of SSB or CSI-RS for RACH Apple Inc CR Rel-16 38.321 16.11.0 1551 - F NR\_newRAT-Core

[R2-2301466](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301466.zip) Correction on L1-RSRP measurement of SSB or CSI-RS for RACH Apple Inc CR Rel-17 38.321 17.3.0 1552 - A NR\_newRAT-Core

[R2-2301782](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301782.zip) Reconsiderations on CG Type 1 Resources Calculation at BWP activation ZTE, Nokia, Nokia Shanghai Bell, Samsung, Qualcomm, OPPO, vivo, Huawei, Hisilicon, CATT, Sanechips discussion Rel-16 NR\_IIOT-Core

#### 5.1.2.2 RLC PDCP SDAP BAP

[R2-2301381](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301381.zip) Clarification on the setting of the split secondary RLC for the PDCP entity associated with only two RLC entities. Samsung CR Rel-16 38.323 16.8.0 0113 - F NR\_IIOT-Core

[R2-2301382](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301382.zip) Clarification on the setting of the split secondary RLC for the PDCP entity associated with only two RLC entities. Samsung CR Rel-17 38.323 17.3.0 0114 - A NR\_IIOT-Core

#### 5.1.2.3 Other

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

### 5.1.3 Control Plane corrections

#### 5.1.3.1 NR RRC

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

General

[R2-2300629](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300629.zip) Miscellaneous corrections for Rel-16 RRC Lenovo draftCR Rel-16 38.331 16.11.0 F TEI16

R2-2301455 Miscellaneous non-controversial corrections Set XVII Ericsson CR Rel-15 38.331 15.20.1 3896 - F NR\_newRAT-Core Late

R2-2301456 Miscellaneous non-controversial corrections Set XVII Ericsson CR Rel-16 38.331 16.11.0 3897 - F NR\_newRAT-Core Late

[R2-2300239](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300239.zip) Editorial change for IE RateMatchPatternId referenced section in TS 38.214 RadiSys CR Rel-18 38.331 17.3.0 3791 - D TEI18

Moved from 5.1.3.3

Chair: Treat offline whether to merge with Rapp CR(s).

* All to be treated Offline in a post-meeting discussion
* [Post121][040][NR151617] RRC Miscellaneous Corrections (Ericsson)

Scope: Rapporteur CRs for RRC include merged CRs (agreeable parts).

Intended outcome: Agreed CRs

Deadline: Short

Coreset0 Mismatch

[R2-2301555](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301555.zip) Clarification on PSCell CORESET#0 configuration mismatch Samsung Electronics Austria discussion Rel-15 NR\_newRAT-Core

DISCUSSION

- MTK think UE only read PSCell MIB for SFN synch purpose. Samsung agrees this is the UE requirement, but think nothing prohibits UE to use other parameters

- ZTE think it is clear that this shall be provided in dedicated signalling, Fujitsu agrees with ZTE and think we don’t need to address this in standards

- Nokia thought 2 was correct, and think 1 would give some limitation to the network.

- SS think that the consequence would be to provide common config in dedicated signalling.

- Ericsson requests to check this and confirm Friday. Thu: After offline Samsung reports that the agreement is confirmed

* RAN2 assumes that If PSCell indicates that there is CORESET0 in the MIB then CORESET0 is always configured in dedicated signalling.

Bearer re-association

[R2-2300809](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300809.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-15 38.331 15.20.1 3840 - F NR\_newRAT-Core

[R2-2300812](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300812.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-16 38.331 16.11.0 3841 - A NR\_newRAT-Core

[R2-2300813](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300813.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-17 38.331 17.3.0 3842 - A NR\_newRAT-Core

DISCUSSION

- Samsung think this is invalid configuration from network with no need to specify.

- MTK encountered different interprétations in field. Would be ok to clarify in chair notes.

- QC support the CRs but think we should update the original text. Intel agrees. Nokia are ok to capture something.

- Samsung think we can attempt to update original text

* Agreeable, but need to discuss the CR

Offline 002 (MTK) the CRs.

[R2-2302243](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302243.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-15 38.331 15.20.1 3840 - F NR\_newRAT-Core

[R2-2302244](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302244.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-16 38.331 16.11.0 3841 1 A NR\_newRAT-Core

[R2-2302245](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302245.zip) Clarification on RLC bearer re-association MediaTek Inc. CR Rel-17 38.331 17.3.0 3842 1 A NR\_newRAT-Core

* Revise text to .. another is added with the same .. in R2-2302252, R2-2302253, R2-2302254, revisions are agreed unseen

Full Config

[R2-2300546](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300546.zip) Correction to fullConfig Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.20.1 3812 - F NR\_newRAT-Core

[R2-2300547](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300547.zip) Correction to fullConfig Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.11.0 3813 - A NR\_newRAT-Core

[R2-2300548](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300548.zip) Correction to fullConfig Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3814 - A NR\_newRAT-Core

- Intel think that the exception in the text is only for the case when full config is not assumed, current TS is deliberate. Samsung agrees and think the CR is not needed. MTK agrees.

- vivo think the CR is correct and we need it

- Nokia think that anyway UEs work ok. Will check offline and come back if needed

* Not pursued

PUCCH SCell

Postponed last meeting

[R2-2300781](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300781.zip) Corrections for PUCCH SCell Huawei, HiSilicon, Ericsson CR Rel-15 38.331 15.20.1 3828 - F NR\_newRAT-Core

[R2-2300782](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300782.zip) Corrections for PUCCH SCell Huawei, HiSilicon, Ericsson CR Rel-16 38.331 16.11.0 3829 - A NR\_newRAT-Core

[R2-2300783](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300783.zip) Corrections for PUCCH SCell Huawei, HiSilicon, Ericsson CR Rel-17 38.331 17.3.0 3830 - A NR\_newRAT-Core

- Nokia agrees but think more specific text is needed, as PUCCH config can be provided empty (all optional).

- Samsung agrees with the CR and are also ok to not agree anything. Think we should not over-specify. Intel also support.

* 3 CRs agreed

[R2-2301311](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301311.zip) Discussion on PUCCH SCell ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

P2

- ZTE explains that the intention is that the network shall not need to filter based on UE capablity.

- QC doesnt agree for Rel-15. We have this principle only from Rel-16. ZTE need time to check.

- MTK also prefer that the network consider UE cap, maybe no need to discuss. HW agrees w MTK and QC

- No agreement

* noted

[R2-2300779](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300779.zip) Discussion on PUCCH SCell Operation MediaTek Inc. Discussion

[R2-2300571](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300571.zip) Clarification of PUCCH SCell Definition Nokia, Nokia Shanghai Bell CR Rel-15 38.300 15.13.0 0616 - D NR\_newRAT-Core

[R2-2300572](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300572.zip) Clarification of PUCCH SCell Definition Nokia, Nokia Shanghai Bell CR Rel-16 38.300 16.11.0 0617 - A NR\_newRAT-Core

[R2-2300573](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300573.zip) Clarification of PUCCH SCell Definition Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.3.0 0618 - A NR\_newRAT-Core

Not treated, no need

Measurement Gaps

[R2-2301312](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301312.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-15 38.331 15.20.1 3877 - F NR\_newRAT-Core

[R2-2301313](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301313.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-16 38.331 16.11.0 3878 - A NR\_newRAT-Core

[R2-2301314](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301314.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3879 - A NR\_newRAT-Core

- QC think this is a NBC change, can accept for Rel17 but not for previous ..

- Apple could also accept a change for rel17

- Ericsson think we could skip the middle of the text

- Intel think we should understand the R1516 vs R17 behaviour then.

* Current proposed text not agreeable for R1516.

Offline 003 (ZTE), to understand whether some change is needed-acceptable etc for R151617

[R2-2302272](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302272.zip) Report of [AT121][003][R1516] Corrections on refServCellIndicator (ZTE) ZTE Corporation

[R2-2302273](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302273.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-15 38.331 15.20.1 3877 1 F NR\_newRAT-Core

[R2-2302274](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302274.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-16 38.331 16.11.0 3878 1 A NR\_newRAT-Core

[R2-2302275](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302275.zip) Corrections on refServCellIndicator ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3879 1 A NR\_newRAT-Core

- Huawei think there are still issues with the proposal. The network always provides the other configuration.

- Ericsson think the need R is the important aspect

- QC think we can cross check with procedure text.

- Samsung think indeed this is non-backwards compatible but was accepted during offline.

CB later

- ZTE reports that some companies want to postpone,

* Postpone, companies to check

On-demand SI request

[R2-2300395](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300395.zip) Correction on T350 stop Xiaomi, Ericsson CR Rel-16 38.331 16.11.0 3804 - F NR\_pos-Core

[R2-2300396](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300396.zip) Correction on T350 stop Xiaomi, Ericsson CR Rel-17 38.331 17.3.0 3805 - A NR\_pos-Core

- Lenovo think the behaviour is clear form timer table, and there are other aspects only captured in the table but not in procedure text.

- LGE think this CR is not needed. The consequence of not doing this is very small.

- Nokia think the table is just informative so better capture in procedure text. HW are ok.

- Then lenovo proposes to also capture another missing case.

* Agreeable, but need to massage the CR, can include other missing case as well.

Offline 004 (Xiaomi), make agreeable CRs.

[R2-2302176](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302176.zip) Correction on T350 stop Xiaomi, Ericsson CR Rel-16 38.331 16.11.0 3804 1 F 5G\_V2X\_NRSL-Core NR\_pos-Core

[R2-2302177](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302177.zip) Correction on T350 stop Xiaomi, Ericsson CR Rel-17 38.331 17.3.0 3805 1 A 5G\_V2X\_NRSL-Core NR\_pos-Core

* Both agreed

[R2-2300214](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2300214.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300214.zip) Corrections to on-demand SI request Lenovo CR Rel-17 38.331 17.3.0 3786 - F TEI17

Comment: specific WI codes?

- Lenovo think this is only for Rel-17.

- ZTE indicates that there is a CR for redcap on similar topic (R2-2300191), suggest to treat this one later.

CB after redcap CR was treated.

- Lenovo reports that the redcap CRs dont affect this one.

* Agreed

Mobility

[R2-2300469](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300469.zip) Correction to nas-SecurityParamFromNR in Mobility from NR command Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3806 - F NR\_newRAT-Core

Comment: Correction to Rel-15, moved from 6.1.3

- Intel think 1st change is correct jbut for the rest is not sure whether the new text is correct, could just remove.

- Ericsson think the references are confusing. Where is this described. Nokia think in 33.501, but think we should refer to NG interfaces ..

- Samsung think this is also same for LTE. Do we just change for NR:

* There seems to be support to change something

CB Offline 005 (Nokia), clarify what to change, also for LTE? Which rel

- Nokia reports that there is agreement that current text need to be fixed, but no consensus how to fix it.

* Postpone

[R2-2301342](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301342.zip) RRC connection re-establishment with CPC configuration Ericsson CR Rel-16 38.331 16.11.0 3881 - F NR\_Mob\_enh-Core

Secondary DRX

[R2-2300787](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300787.zip) Correction on the need code for secondary DRX group Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3834 - F TEI16

[R2-2300788](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300788.zip) Correction on the need code for secondary DRX group Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3835 - A TEI16

- ZTE think this is NBC. Samsung agrees ad wonder if this is allowed. The intent is correct.

- HW think today the network need to rfeelase add Scell to relase this.

- MTK support the intention.

- Apple think release add SCell is ok and dont support to change.

- Ericsson agrees this was a mistake, support the CR.

- NEC support but are ok to only support from Rel-17 (could also accept Rel-18)

- OPPO think we can discuss the detailed CR what the the better choice R or M

- HW urges companies to check, prefer R16. MTK also prefer same behaivour for R16 and R17, can check.

- Intel think the UE behaviour is unclear today. QC agrees and think that the network need to provide this at every reconfigruation. Ok to change for Rel-16

CB companies to check if R16 correction is acceptable (if so can disc further teh details)

- Huawei reports that UE impl has assumed different need codes.

- Huawei think the best way is to require network to handle all UE impl, remove the need code and replace with text.

- Apple think this is not urgent.

- QC would prefer same solution for Rel17 as well. NEC would like to have better solution for Rel-17. MTK think this can be discussed.

* Long email discussion to pave the way for agreeable CRs and to allow companies to check (R16, R17)
* [Post121][041][NR1617] need code for secondary DRX group (Huawei)

Scope: Long email discussion to pave the way for agreeable CRs and to allow companies to check (R16, R17)

Intended outcome: Report, CRs – agreeable if possible

Deadline: Long

UE Assistance Information

[R2-2300801](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300801.zip) Discussion on 1 second UAI resend rule after RRCReconfiguration including fullConfig MediaTek Inc. Discussion

[R2-2300802](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300802.zip) Clarification on 1 second UAI resend rule after RRCReconfiguration including fullConfig MediaTek Inc. CR Rel-17 38.331 17.3.0 3839 - F NR\_newRAT-Core, TEI17

DISCUSSION after Offline

- MTK reports that after offline the proposa lis now the opposite, that the UE shall resend the UAI after HO also when the fullconfig flag is set (and the UAI configuration is still there).

- QC understands that the UE doesnt need to resend if the condition that triggered the first report is not present.

- ZTE think there is network forwarding also for UAI and the UE report is only for things that happen very recently (last second).

- Chair: tentative desicion : R2 understands that UE shall resend the UAI after HO also when the fullconfig flag is set (and the UAI configuration is still there).

- QC thikn that after offline, as long as no change to the TS is needed, the proposed agreement is ok.

* R2 understands that UE shall resend the UAI after HO also when the fullconfig flag is set (and the UAI configuration is still there and the condition(s) is valid), no change to the TS is needed.

DC location reporting

[R2-2300784](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300784.zip) Clarification of DC location report for non-RRC Configured BWP0 Huawei, HiSilicon CR Rel-15 38.331 15.20.1 3831 - F NR\_newRAT-Core

[R2-2300785](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300785.zip) Clarification of DC location report for non-RRC Configured BWP0 Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3832 - A NR\_newRAT-Core

[R2-2300786](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300786.zip) Clarification of DC location report for non-RRC Configured BWP0 Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3833 - A NR\_newRAT-Core

- Ericsson think that ASN.1 only allows reporting of the RRC configured BWPs.

- Apple think there is no amgibuity, if the UE uses the BWP0 then i t will have been configured and can be reported.

- Nokia think BWP1 is the dedicated configuration for BWP 0, when UE is only using one BWP.

- Samsung agree no CR is needed.

* Not pursued

Layers interaction

[R2-2301682](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301682.zip) Correction on the description of RRC reconfiguration with sync vivo CR Rel-15 38.331 15.20.1 3914 - F NR\_newRAT-Core

[R2-2301683](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301683.zip) Correction on the description of RRC reconfiguration with sync vivo CR Rel-16 38.331 16.11.0 3915 - A NR\_newRAT-Core

[R2-2301684](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301684.zip) Correction on the description of RRC reconfiguration with sync vivo CR Rel-17 38.331 17.3.0 3916 - A NR\_newRAT-Core

Moved from 6.1.3.1

- Nokia think we could just remove « L2 »

* 3 CRs : Merge with RRC rapporteur CR, but only remove L2 (not add RRC)

URLLC

Treat when not colliding with UP session

[R2-2300550](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300550.zip) Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.11.0 3815 - F NR\_L1enh\_URLLC-Core

[R2-2300552](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300552.zip) Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3816 - A NR\_L1enh\_URLLC-Coreh

- Ericsson are on high level ok. For DCI 0-1 fine but for DCI 0-2 it seems the reference is wrong and cover page seems wrong. Nokia agrees, nokia point out that there is also a CR in R1 to correct

- Samsung think R1 TS is clear, not needed. Nokia think we have this for many cases so we should align. After short chat, Samsung are ok

- ZTE think that TDRA table for DCI 0-2 can be configured with TDRA table for multi-pusch, and the latter was introduced in NR-U.

CB offline 016 (Nokia) to revise the contents and coversheet for agreeable CRs

[R2-2302012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302012.zip) Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.11.0 3815 1 F NR\_L1enh\_URLLC-Core

[R2-2302013](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302013.zip) Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3816 1 A NR\_L1enh\_URLLC-Coreh

* Both agreed

SI message

Await outcome from Pos session discussion, may treat on Friday.

[R2-2301452](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301452.zip) SIB and PosSIB mappings to SI message Ericsson CR Rel-16 38.331 16.11.0 3895 - F NR\_newRAT-Core, NR\_pos-Core

[R2-2301451](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301451.zip) SIB and PosSIB mappings to SI message Ericsson CR Rel-17 38.331 17.3.0 3894 - A NR\_newRAT-Core, NR\_pos-Core

- Lenovo reports that for POS SI, it was agreed that only one single segment of a SIB (not multiple of same SIB) is sent in one SI message.

- Q : does this apply to legacy SIBs as well.

- Ericsson think this was not much described from beginning.

- Nokia think that we can clarify in chair notes

- Lenovo think this is Pos SIB specific issue, but think a general clarification is good.

- MTK agrees that the problem is mainly for POS SIBs but think a principle can be good.

- Nokia proposes to postpone the CR. Ericson suggest to coordinate and invite for offline email coord.

* One single segment of a SIB (not multiple of same SIB) is sent in one SI message, applicable to Pos SIB and to non-Pos SIBs (SIBs in general)
* CRs postponed (this change, if needed in the end, is intended to cover SIBs in general incl Pos SIBs)

Clarification precodingAndNumberOfLayers

[R2-2300240](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300240.zip) Modify presence of the IE precodingAndNumberOfLayers within rrc-ConfiguredUplinkGrant RadiSys CR Rel-18 38.331 17.3.0 3792 - F TEI18

Moved from 5.1.3.3

Withdrawn

R2-2300549 Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.11.0 0857 - F NR\_L1enh\_URLLC-Core Withdrawn

R2-2300551 Correction to usage of pusch-TimeDomainAllocation Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.3.0 0858 - A NR\_L1enh\_URLLC-Core Withdrawn

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

Duty Cycle PC1.5

[R2-2300058](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300058.zip) LS on Duty Cycle capability for PC1.5 (R4-2220807; contact: T-Mobile USA) RAN4 LS in Rel-18 HPUE\_PC1\_5\_n77\_n78

Moved from 6.1.1. Comment: The WI indicated for the LS seems to be the WI where the problem was found, the problem itself seems to be related to NR\_newRAT-Core.

* noted

[R2-2301403](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301403.zip) Correction on Duty Cycle capability for PC1.5 Ericsson CR Rel-17 38.306 17.3.0 0863 - A NR\_newRAT-Core

[R2-2301404](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301404.zip) Correction on Duty Cycle capability for PC1.5 Ericsson CR Rel-16 38.306 16.11.0 0864 - F NR\_newRAT-Core

- MTK wonder if should change the name of the parameter.

- Samsung are ok with the CRs.

* 2 CRs agreed

Processing delay UL RRC segmentation

[R2-2301406](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301406.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-16 36.331 16.11.0 4914 - F RACS-RAN-Core

[R2-2301407](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301407.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-17 36.331 17.3.0 4915 - F RACS-RAN-Core

[R2-2301408](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301408.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-16 38.331 16.11.0 3889 - F RACS-RAN-Core

[R2-2301409](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301409.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-17 38.331 17.3.0 3890 - A RACS-RAN-Core

- Lenovo and Apple think we should remove the 10 for LTE

- HW are not sure we need this change, for UL the requirement is the same. If we make such change should be clarified that this is for the first segment.

- Chair: there seems to be some willingness to specify this so we go offline

Offline 006 (Ericsson), agreeable CRs

[R2-2302197](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302197.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-16 36.331 16.11.0 4914 1 F RACS-RAN-Core

[R2-2302198](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302198.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-17 36.331 17.3.0 4915 1 A RACS-RAN-Core

[R2-2302199](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302199.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-16 38.331 16.11.0 3889 1 F RACS-RAN-Core

[R2-2302200](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302200.zip) Correction on UL RRC segmentation processing delay requirements Ericsson CR Rel-17 38.331 17.3.0 3890 1 A RACS-RAN-Core

* 4 crs agreed

DCCA Cell grouping

[R2-2301607](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301607.zip) Clarification on supportedCellGrouping capability Huawei, HiSilicon CR Rel-16 38.306 16.11.0 0869 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2301608](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301608.zip) Clarification on supportedCellGrouping capability Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0870 - A LTE\_NR\_DC\_CA\_enh-Core

- Intel think it could be good to address the FFS in the table as well.

Offline 007 (HW) add resolution to FFS, agreeable CRs

[R2-2302213](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302213.zip) Clarification on supportedCellGrouping capability Huawei, HiSilicon CR Rel-16 38.306 16.11.0 0869 1 F LTE\_NR\_DC\_CA\_enh-Core

[R2-2302214](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302214.zip) Clarification on supportedCellGrouping capability Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0870 1 A LTE\_NR\_DC\_CA\_enh-Core

* Both agreed

MIMO

[R2-2300007](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300007.zip) Reply LS on eMIMO features defined in different granularity with prerequisite (R1-2208250; contact: Huawei) RAN1 LS in Rel-16 NR\_eMIMO-Core

* Noted, taken into account last meeting

[R2-2301609](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301609.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-16 38.306 16.11.0 0846 2 F NR\_eMIMO-Core R2-2212981

[R2-2301610](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301610.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0847 2 A NR\_eMIMO-Core R2-2212982

- Intel are ok to making it general. Chair think TEI16 shall be added.

- Ericsson think we need some small rewording, and can add some text for clarity, intention is ok

Offline 008 (HW), agreeable CRs

[R2-2302215](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302215.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-16 38.306 16.11.0 0846 3 F NR\_eMIMO-Core

[R2-2302216](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302216.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0847 3 A NR\_eMIMO-Core

* Both agreed

intraBandFreqSepUL

[R2-2300049](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300049.zip) LS to RAN2 on intraBandFreqSeparationUL-AggBW-GapBW-r16 (R4-2220534; contact: Samsung) RAN4 LS in Rel-18 NR\_newRAT-Core

* Noted

[R2-2301713](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301713.zip) CR on the intraBandFreqSeparationUL-AggBW-GapBW-r16 \_R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.11.0 0872 - F NR\_newRAT-Core

[R2-2301714](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301714.zip) CR on the intraBandFreqSeparationUL-AggBW-GapBW-r16 \_R17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.3.0 0873 - A NR\_newRAT-Core

[R2-2301897](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301897.zip) CR on the intraBandFreqSeparationUL-AggBW-GapBW-r16 \_R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.11.0 0872 1 F NR\_newRAT-Core

[R2-2301898](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301898.zip) CR on the intraBandFreqSeparationUL-AggBW-GapBW-r16 \_R17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.3.0 0873 1 A NR\_newRAT-Core

- Apple are ok, wonder if we need to send LS.

- Ericsson support, can make text even shorter.

* 2 Crs agreed

[R2-2301629](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301629.zip) Discussion on intraBandFreqSeparationUL-AggBW-GapBW-r16 CATT discussion Rel-18 NR\_newRAT-Core

Not Treated, already covered

Simultaneous Rx-Tx

[R2-2300048](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300048.zip) LS to RAN2 on simultaneous Rx-Tx for band pairs of an advertised BC (R4-2220520; contact: Ericsson) RAN4 LS in Rel-16 NR\_newRAT

* Noted

[R2-2301450](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301450.zip) On modified UE capabilities for simultaneous Rx/Tx Ericsson discussion Rel-16 NR\_newRAT-Core

* Noted

[R2-2301612](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301612.zip) Discussion on simultaneousRxTx capability Huawei, HiSilicon discussion TEI17

Moved from 6.1.2

* Noted

[R2-2300553](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300553.zip) Clarification on simultaneous Rx-Tx Nokia, Nokia Shanghai Bell discussion Rel-16 NR\_newRAT-Core, TEI16

* Noted

[R2-2301718](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301718.zip) Consideration on the Simultaneous Rx-Tx ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

- ZTE Think R4 proposal is ok for CA but not for EN-DC, conflicts. Would also be ok with Huawei proposal

* Noted

DISCUSSION on the tdocs above

- QC are ok to go with the R4 solution, but doesn’t like the R4 text, which is difficult to understand.

- Intel think the main question is whether we need the optimized way that R4 proposes. As Huawei states, the system can work anyway.

- Ericsson think we should not add separate capabilities, as Nokia proposes, would give even worse situation

- Ericsson think that current text anyway need correction, even if not agrees.

- Chair asks if we can go the RAN4 way: ZTE could be ok for CA. HW agree with ZTE that in such case we should ask RAN4. Samsung think yes we can attempt to follow R4 suggestion.

- Nokia point out that RAN4 are just asking questions.

Offline 009 (Ericsson), to find agreeable reply to RAN4 LS, and make a report. can use TP to illustrate R2 impacts. Can also address P2 from Nokia tdoc.

[R2-2302208](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302208.zip) [AT121][009][R1516] Simultaneous RxTx (Ericsson) Ericsson

DISCUSSION

- MTK think the R4 change is NBC and impact current products. HW agree that if there is a risk to current products we should not change existing capability, think anyway that R4 wording is not clear enough.

- Ericsson understands there are concerns. IN practice Ericsson think there is no compatibility issue.

- Nokia think we should be sure, think we can consider to have a new capability that either a) complements the existing one or b) replaces the existing one.

- QC think we need a backwards compatibility analysis.

* Postpone, to think about BW compatibility, and potential solutions

[R2-2301715](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301715.zip) CR on Simultaneous Rx-Tx for Band Pairs\_R15 ZTE Corporation, Sanechips CR Rel-15 38.306 15.19.0 0874 - F NR\_newRAT-Core

[R2-2301716](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301716.zip) CR on Simultaneous Rx-Tx for Band Pairs\_R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.11.0 0875 - A NR\_newRAT-Core

[R2-2301717](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301717.zip) CR on Simultaneous Rx-Tx for Band Pairs\_R17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.3.0 0876 - A NR\_newRAT-Core

Pusch Repetition

[R2-2301746](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301746.zip) Band differentiation for capability pusch-RepetitionTypeA-r16 Qualcomm Incorporated, Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.11.0 0878 - F NR\_newRAT-Core, TEI16

* agreed

[R2-2301747](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301747.zip) Band differentiation for capability pusch-RepetitionTypeA-r16 Qualcomm Incorporated, Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.11.0 3918 - F NR\_newRAT-Core, TEI16

* agreed

[R2-2301748](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301748.zip) Band differentiation for capability pusch-RepetitionTypeA-r16 Qualcomm Incorporated, Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.3.0 0879 - A NR\_newRAT-Core, TEI16

[R2-2301948](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301948.zip) Band differentiation for capability pusch-RepetitionTypeA-r16 Qualcomm Incorporated, Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.3.0 0879 1 F NR\_newRAT-Core, TEI16

* agreed

[R2-2301749](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301749.zip) Band differentiation for capability pusch-RepetitionTypeA-r16 Qualcomm Incorporated, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3919 - A NR\_newRAT-Core, TEI16

* agreed

DISCUSSION

- Ericsson think there is another Cap referring to the legacy field so CRs need to be updated.

- ZTE would prefer to do this from Rel-17 aligned with Cov Enh.

- Nokia think that is a different enhancement, we need to do this from Rel16

- Samsung support the CRs.

- BT wonder what happens if UE vendors only support legacy cap. QC think there is no issue.

* CRs are agreeable, can take into account Ericsson comment above, and can polish editorial.

Friday Offline 010 (QC), polish the CRs acc to above

- result that one CR was revised and they are agreeable (see above)

TX switching PCell duplex diff

[R2-2300574](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300574.zip) Support of different PCell duplex for UL Tx switching Nokia, Nokia Shanghai Bell discussion Rel-16 NR\_RF\_FR1-Core

DISCUSSION

P1 – P3

- HW think P1 and P2 are ok. Not sure P3 is needed, there is no room for misunderstanding as there is no TDD FDD differentiation.

- HW think R1 has no different handling of TDD FDD for the different cases. Should be easy to support for the UE.

- vivo wonder if we should send LS to R1 to ask if differentiation is needed.

- QC support adding this, but think we need to allow to use the legacy capabilities as well.

- Samsung agree with P1 P2 think P3 is not needed. Hesitant to support P456

- Ericsson think P1 P2 are ok, can confirm in Chair notes. Not sure whether P4 etc are needed.

- ZTE also ok P1 P2, not sure about the necessity of the new cap.

- Chair: it seems there are concerns to have the new cap.

* RAN2 confirm that UE supporting uplinkTxSwitching-OptionSupport-r16 shall support the feature regardless of PCell duplex (i.e. the capability works for both TDD PCell and FDD PCell acting as carrier 1).
* RAN2 confirm that UE supporting uplinkTxSwitching-OptionSupport2T2T-r17 shall support the feature regardless of PCell duplex (i.e. the capability works for both TDD PCell and FDD PCell acting as carrier 1).

Intra-band feature set

[R2-2300140](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300140.zip) Discussion on the order of Intra-band feature set OPPO discussion Rel-15 NR\_newRAT-Core

- MTK think it is clear from current TS that both UL and DL cap is intended, and think the proposed text may be inconsistent.

- HW think the understanding is correct, but no change needed.

- Ericsson think this is anyway clear, no need to clarify in the TS.

- Chair: No CR needed

* R2 confirms the reporting order of intra-band non-contiguous FS entries with same bandwidth class is not relevant.

#### 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.

IAB

[R2-2301127](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301127.zip) Corrections in TS 36.331 on IFRI handling by IAB-MT for IAB Huawei, HiSilicon CR Rel-16 36.331 16.11.0 4909 - F NR\_IAB\_enh-Core

[R2-2301128](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301128.zip) Corrections in TS 36.331 on IFRI handling by IAB-MT for eIAB Huawei, HiSilicon CR Rel-17 36.331 17.3.0 4910 - A NR\_IAB\_enh-Core

[R2-2301129](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301129.zip) Corrections in TS 38.331 on IFRI handling by IAB-MT for IAB Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3866 - F NR\_IAB\_enh-Core

[R2-2301130](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301130.zip) Corrections in TS 38.331 on IFRI handling by IAB-MT for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3867 - A NR\_IAB\_enh-Core

- LG think the text for IFRI is already there in 304. Samsung agrees with LG for IFRI, think the CSG part is a new proposal, needing discussion.

- HW clarifies that the CSG behaviour is not in 304 ..

- Chair: no agreement to modify for IFRI

Offline 011 (HW), determine what is needed wrt CSG (if any), can collect further comments whether anything need tchange for IFRI

[R2-2302223](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302223.zip) Corrections in TS 36.331 on IFRI handling by IAB-MT for IAB Huawei, HiSilicon CR Rel-16 36.331 16.11.0 4909 1 F NR\_IAB\_enh-Core

[R2-2302224](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302224.zip) Corrections in TS 36.331 on IFRI handling by IAB-MT for eIAB Huawei, HiSilicon CR Rel-17 36.331 17.3.0 4910 1 A NR\_IAB\_enh-Core

[R2-2302250](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302250.zip) Corrections in TS 38.331 on IFRI handling by IAB-MT for IAB Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3866 1 F NR\_IAB\_enh-Core

[R2-2302251](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302251.zip) Corrections in TS 38.331 on IFRI handling by IAB-MT for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3867 1 A NR\_IAB\_enh-Core

- LGE think that ignoring csg indication need some discussion. Intel agrees.

- Chair: after some discussion the CRs are anyway agreeable.

* 4 CRs are agreed

[R2-2301297](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301297.zip) Clarification of the UE actions when iab-support is not included in SIB1 Ericsson CR Rel-16 38.304 16.8.0 0321 - F NR\_IAB-Core

[R2-2301298](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301298.zip) Clarification of the UE actions when iab-support is not included in SIB1 Ericsson CR Rel-17 38.304 17.3.0 0322 - A NR\_IAB-Core

- ZTE think this is in RRC.

- Samsung think this change is needed.

- LG think this is not needed. HW think this CR adds consistency, and think cover sheet should be updated.

Offline 012 (Ericsson), agreeable CRs if possible

[R2-2302258](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302258.zip) Clarification that IAB-MT follows the UE behaviour for cell barring procedure as defined in TS 38.304 Ericsson CR Rel-16 38.331 16.9.0 3934 1 F NR\_IAB-Core

[R2-2302259](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302259.zip) Clarification that IAB-MT follows the UE behaviour for cell barring procedure as defined in TS 38.304 Ericsson CR Rel-17 38.331 17.3.0 3935 1 A NR\_IAB-Core

* Both revised in R2-2302265, R2-2302266, remove the last “for IAB-MT”, revisions are agreed unseen

SI request

[R2-2300700](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300700.zip) Further Discussion on SI-request Period Issue vivo, Huawei, HiSilicon discussion Rel-15 NR\_newRAT-Core [R2-2211660](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2211660.zip)

Comment: Previous discussion again. Not Treated

## 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.).

### 5.2.1 General and Stage-2 corrections

Including incoming LSs, rapporteur inputs, etc.

[R2-2300040](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300040.zip) LS on Pemax,c of S-SSB transmission when multiple resource pool is configured in a carrier (R4-2214421; contact: vivo) RAN4 LS in Rel-17 5G\_V2X\_NRSL-Core

[R2-2300051](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300051.zip) LS on PSFCH configured power with multiple resource pools (R4-2220553; contact: LGE) RAN4 LS in Rel-17 5G\_V2X\_NRSL-Core

[R2-2300914](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300914.zip) (draft)Reply LS to RAN4 on Pemax,c of S-SSB transmission ZTE Corporation, Sanechips LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN4 Cc:RAN1

[R2-2301379](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301379.zip) [draft]Reply LS on Pemax,c of S-SSB transmission vivo LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN4 Cc:RAN1

### 5.2.2 Control plane corrections

This agenda item may utilize a summary document on RRC (Huawei).

[R2-2300485](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300485.zip) Miscellaneous corrections on 38.331 Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3807 - F 5G\_V2X\_NRSL-Core

[R2-2300486](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300486.zip) Miscellaneous corrections on 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3808 - A 5G\_V2X\_NRSL-Core

[R2-2300836](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300836.zip) Miscellaneous corrections on TS 38.331 for NR sidelink Xiaomi CR Rel-16 38.331 16.11.0 3843 - F 5G\_V2X\_NRSL-Core

[R2-2300837](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300837.zip) Miscellaneous corrections on TS 38.331 for NR sidelink Xiaomi CR Rel-17 38.331 17.3.0 3844 - A 5G\_V2X\_NRSL-Core

[R2-2301021](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301021.zip) Clarification on retransmission number in SL-PSSCH-TxConfigList vivo CR Rel-16 38.331 16.11.0 3858 - F 5G\_V2X\_NRSL-Core

[R2-2301022](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301022.zip) Clarification on retransmission number in SL-PSSCH-TxConfigList vivo CR Rel-17 38.331 17.3.0 3859 - A 5G\_V2X\_NRSL-Core

[R2-2301377](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301377.zip) Clarification on sl-MaxTransPower vivo CR Rel-16 38.331 16.11.0 3885 - F 5G\_V2X\_NRSL-Core

[R2-2301378](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301378.zip) Clarification on sl-MaxTransPower vivo CR Rel-17 38.331 17.3.0 3886 - A 5G\_V2X\_NRSL-Core

[R2-2301762](C:\\Users\\johan\\OneDrive\\Dokument\\3GPP\\tsg_ran\\WG2_RL2\\RAN2\\Docs\\R2-2301762.zip" \o "C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301762.zip) Clarification on cell reselection priority handling for V2X/NR sidelink and deprioritization request. Kyocera, vivo, LG Electronics, Ericsson, Samsung, Nokia, Nokia Shanghai Bell CR Rel-16 38.304 16.8.0 0327 - F 5G\_V2X\_NRSL-Core

Moved from 5.1.3

[R2-2301461](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301461.zip) Summary on RRC CRs Huawei, HiSilicon discussion Rel-16 5G\_V2X\_NRSL-Core Late

### 5.2.3 User plane corrections

This agenda item may utilize a summary document on MAC (LG).

[R2-2300834](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300834.zip) Correction on resource (re-)selection for NR sidelink Xiaomi CR Rel-16 38.321 16.11.0 1527 - F 5G\_V2X\_NRSL-Core

[R2-2300835](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300835.zip) Correction on resource (re-)selection for NR sidelink Xiaomi CR Rel-17 38.321 17.3.0 1528 - A 5G\_V2X\_NRSL-Core

[R2-2300861](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300861.zip) Correction on the cast type indicator setting of MAC PDU only containing MAC CE CATT CR Rel-16 38.321 16.11.0 1530 - F 5G\_V2X\_NRSL-Core

[R2-2300862](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300862.zip) Correction on the cast type indicator setting of MAC PDU only containing MAC CE(s) CATT CR Rel-17 38.321 17.3.0 1531 - A 5G\_V2X\_NRSL-Core

[R2-2301525](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301525.zip) Corrections on MAC reset regarding SL configured grant ASUSTeK CR Rel-16 38.321 16.11.0 1555 - F 5G\_V2X\_NRSL-Core

[R2-2301526](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301526.zip) Corrections on MAC reset regarding SL configured grant ASUSTeK CR Rel-17 38.321 17.3.0 1556 - A 5G\_V2X\_NRSL-Core

## 5.3 NR Positioning Support

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

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

(NR TEI16 Positioning)

### 5.3.1 General and Stage 2 corrections

Including incoming LSs, 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.

[R2-2300107](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300107.zip) Correction for SRS-PosResourcesPerBand Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3772 - F NR\_pos-Core

[R2-2300108](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300108.zip) Correction for SRS-PosResourcesPerBand Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3773 - A NR\_pos-Core

[R2-2300109](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300109.zip) Correction on PosSIB broadcasting Huawei, HiSilicon CR Rel-16 38.331 16.11.0 3774 - F NR\_pos-Core

[R2-2300110](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300110.zip) Correction on PosSIB broadcasting Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3775 - A NR\_pos-Core

[R2-2300937](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300937.zip) Correction on SRS for positioning ZTE Corporation CR Rel-16 38.331 16.11.0 3852 - F NR\_pos-Core

[R2-2300938](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300938.zip) Correction on SRS for positioning ZTE Corporation CR Rel-17 38.331 17.3.0 3853 - F NR\_pos\_enh-Core

[R2-2301347](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301347.zip) Conditional inclusion of SBAS ID in posSIBs MediaTek Inc. CR Rel-16 38.331 16.11.0 3882 - F NR\_pos-Core

[R2-2301348](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301348.zip) Conditional inclusion of SBAS ID in posSIBs MediaTek Inc. CR Rel-17 38.331 17.3.0 3883 - A NR\_pos-Core

[R2-2301349](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301349.zip) Mapping of posSIB/SIB segments to SI messages MediaTek Inc., Nokia, Nokia Shanghai Bell, Ericsson discussion Rel-16 NR\_pos-Core

### 5.3.3 LPP corrections

[R2-2300328](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300328.zip) Addition of missing field description for ‘nr-AdType-r16’ in NR-Multi-RTT-RequestAssistanceData IE Lenovo CR Rel-16 37.355 16.9.0 0406 - F NR\_pos-Core

[R2-2300329](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300329.zip) Addition of missing field description for ‘nr-AdType-r16’ in NR-Multi-RTT-RequestAssistanceData IE Lenovo CR Rel-17 37.355 17.3.0 0407 - A NR\_pos-Core

[R2-2301431](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301431.zip) Adding GNSS Types in GNSS-SSR-OrbitCorrections to clarify SSR clock correction signal reference and clarification of GNSS Troposperic Delay Correction Ericsson CR Rel-16 37.355 16.9.0 0410 - F NR\_pos-Core

[R2-2301432](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301432.zip) Correction of Note in NR-DL-PRS-AssistanceData field descriptions Ericsson CR Rel-16 37.355 16.9.0 0411 - F NR\_pos-Core

[R2-2301433](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301433.zip) Adding GNSS Types in GNSS-SSR-OrbitCorrections to clarify SSR clock correction signal reference and clarification of GNSS Troposperic Delay Correction Ericsson CR Rel-17 37.355 17.3.0 0412 - A NR\_pos-Core

[R2-2301434](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301434.zip) Correction of Note in NR-DL-PRS-AssistanceData field descriptions Ericsson CR Rel-17 37.355 17.3.0 0413 - A NR\_pos-Core

### 5.3.4 MAC corrections

## 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).

### 5.4.1 General and stage-2 corrections

Including incoming LSs, TS 37.320 corrections

### 5.4.2 TS 38.314 corrections

### 5.4.3 RRC corrections

[R2-2301270](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301270.zip) Correction on logging RLM resources in the RLF report Ericsson discussion Rel-16 38.331 NR\_SON\_MDT-Core

[R2-2301271](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301271.zip) Correction on logging RLM resources in the RLF report Ericsson discussion Rel-17 38.331 NR\_SON\_MDT-Core

[R2-2301499](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301499.zip) Clarification on RLF Cause Samsung discussion NR\_SON\_MDT-Core

[R2-2301502](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301502.zip) Clarification on RLF cause Samsung CR Rel-16 38.331 16.11.0 3903 - F NR\_SON\_MDT-Core

[R2-2301505](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301505.zip) Clarification on RLF cause Samsung CR Rel-16 38.331 16.11.0 3904 - F NR\_SON\_MDT-Core

[R2-2301567](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301567.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 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: 12 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 No action needed

[R2-2300054](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300054.zip) Reply LS on FR2 UL gap (R4-2220730; contact: Apple) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2

* Noted wo presentation

[R2-2300059](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300059.zip) LS on DC location reporting (R4-2220814; contact: vivo, OPPO) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core

* Noted wo presentation

71 GHz

[R2-2300868](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300868.zip) Removal of editor’s note on sequence length 1151 for PRACH usage Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.3.0 0621 - F NR\_ext\_to\_71GHz-Core

* agreed

MUSIM

[R2-2301558](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301558.zip) Clarification on paging collision avoidance for MUSIM Samsung CR Rel-17 38.300 17.3.0 0631 - F LTE\_NR\_MUSIM-Core

- OPPO think we may need to clarify more, we may need to mention PEI if we keep it specific, so we should make it general.

- MTK think paging occasion is sufficient for stage-2. LG agrees.

- Apple think current text is clear.

- Samsung think this is the only place where this is described.

* No support, Not pursued

DCCA

[R2-2301215](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301215.zip) Corrections for DCCA further enhancements ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-17 37.340 17.3.0 0361 - F LTE\_NR\_DC\_enh2-Core

- HW think change in 10.3.1 could be simpler, can remove inter etc.

- on 10.5.1.2: think the text could be clearer and moved to a note.

- NEC has similar understanding.

Fri Offline 022 (ZTE), agreeable CR

[R2-2302242](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302242.zip) Corrections for DCCA further enhancements ZTE Corporation (Rapporteur), Sanechips, Ericsson, Nokia, Nokia Shanghai Bell

CR Rel-17 37.340 17.3.0 0361 1 F LTE\_NR\_DC\_enh2-Core

* Agreed

[R2-2300468](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300468.zip) Correction Stage-2 on CPAC Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.3.0 0360 - F LTE\_NR\_DC\_enh2-Core

- ZTE are ok with several change but wonder about an editorial change for legacy text. Think 4th change is wrong.

- HW think there are several changes that has issues.

* Merged with Rapp CR above, address issues in the Offline.

[R2-2300857](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300857.zip) Clarification on coexistence of DAPS and CPA CATT, Nokia (Rapporteur) CR Rel-17 36.300 17.3.0 1379 - F LTE\_NR\_DC\_enh2-Core

[R2-2300858](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300858.zip) Clarification on coexistence of DAPS and CPA CATT, Nokia (Rapporteur) CR Rel-17 38.300 17.3.0 0620 - F LTE\_NR\_DC\_enh2-Core

- LGE point out that when DC is release there is no CPA.

- CATT think this comment is not valid, think that CPA config can exist in connected mode.

- HW think stage-3 is clear .. see no need. Think also that CPA is not defined in these TSes.

* Both not pursued

QoE

[R2-2300215](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300215.zip) Corrections to description of RAN Visible QoE Measurements Lenovo CR Rel-17 38.300 17.3.0 0614 - F NR\_QoE-Core

* Agreed

[R2-2301334](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301334.zip) Discussion on naming of QoE Ericsson discussion Rel-17 NR\_QoE-Core

- HW think indeed R3 agreed encapsulated, so we can keep that.

* Noted

[R2-2300718](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300718.zip) Clarification of UE Behaviour upon Pause of QoE Reporting Apple, Ericsson, MediaTek, Huawei, HiSilicon, China Unicom, Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.3.0 0619 - F NR\_QoE-Core

=> Revised in [R2-2301893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301893.zip)

[R2-2301893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301893.zip) Clarification of UE Behaviour upon Pause of QoE Reporting Apple, Ericsson, MediaTek, Huawei, HiSilicon, China Unicom, Nokia, Nokia Shanghai Bell, Samsung CR Rel-17 38.300 17.3.0 0619 1 F NR\_QoE-Core

- Lenovo think it is ok that stage-2 shows higher level, that intention is showed.

- Apple think network vendors will use this also in other cases, so it is wrong.

- LG think we can keep wording overload and add some text this could be ok.

- Lenovo think that also session start stop is not mentioned but same case, stage-3 is clear.

- QC think we can change ..

Fri CB Offline 023 (Apple), agreeable CR

[R2-2302241](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302241.zip) Clarification of UE Behaviour upon Pause of QoE Reporting Apple, Ericsson, MediaTek, Huawei, HiSilicon, China Unicom, Nokia, Nokia Shanghai Bell, Samsung CR Rel-17 38.300 17.3.0 0619 2 F NR\_QoE-Core

* agreed

eIAB

[R2-2301126](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301126.zip) Corrections on routing and bearer mapping configuration for eIAB Huawei, HiSilicon, Nokia (Rapporteur) CR Rel-17 38.300 17.3.0 0625 - F NR\_IAB\_enh-Core

- QC think this is not needed. Already clear from the text. LG agrees. Vivo agrees as well.

- ZTE think there is no description of topology indicator in the text. QC think there is.

Chair: no consensus

* not pursued

[R2-2301299](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301299.zip) Clarfication on DL power adjustment for IAB Ericsson CR Rel-17 38.300 17.3.0 0629 - F NR\_IAB\_enh-Core

[R2-2301896](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301896.zip) Introduction of stage 2 description for IAB beam management and power control Lenovo CR Rel-17 38.300 17.3.0 0641 - F NR\_IAB\_enh-Core Late

- QC think for 4.7.4 we don’t need multiple sections. These descriptions are for a subset of MAC CEs. QC think that if we do this we need it for all MAC CEs. Samsung think we don’t need all but support the approach.

- ZTE think there are some issues in the text, eg the time resource is not configured by MAC CE. Need to do rewording. For Power Control the first sentence has a restriction not agreed in R1, suggest to remove.

- Ericsson think R1 will not capture this, but maybe the architecture section is not the right place.

- Chair: this should rather impact 10.9 rather than the arch section.

Email to next meeting (Lenovo)

* [Post121][042][NR17] Stage 2 description for IAB beam management and power control (Lenovo)

Scope: Converge to agreeable Stage-2 CR, use R2-2301299, R2-2302896 and comments as starting point.

Intended outcome: Agreeable Stage 2 CR, report if needed

Deadline: Long

### 6.1.2 User Plane corrections

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

[R2-2300494](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300494.zip) MAC Clarification on Msg3 Repetition vivo CR Rel-17 38.321 17.3.0 1517 - F NR\_cov\_enh-Core

[R2-2301368](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301368.zip) Inclusion of drx-LastTransmissionUL in DRX parameters list MediaTek Inc. CR Rel-17 38.321 17.3.0 1548 - D TEI17

[R2-2301730](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301730.zip) Corrections on slice-based RACH LG Electronics. CR Rel-17 38.321 17.3.0 1565 - F NR\_slice-Core

### 6.1.3 Control Plane corrections

#### 6.1.3.1 NR RRC

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

General

[R2-2301074](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301074.zip) Aligning paging cause terminology between RAN2, CT1 and SA2 Huawei, HiSilicon discussion Rel-17

- Samsung think nothing is broken. QC think that this is not a misalignment.

- Chair : NO support

* No support, noted.

[R2-2300630](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300630.zip) Miscellaneous corrections for Rel-17 RRC Lenovo draftCR Rel-17 38.331 17.3.0 F TEI17

- more or less shadow of R16, one thing that need to be checked format ext field. SS are ok

* Included in the misc corrections post email disc

R2-2301457 Miscellaneous non-controversial corrections Set XVII Ericsson CR Rel-17 38.331 17.3.0 3898 - F NR\_newRAT-Core Late

* Post meeting email disc (Included in [Post121][040])

[R2-2301830](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301830.zip) Correction to security protection requirement for ULDedicatedMessageSegment Google Inc. CR Rel-17 38.331 17.3.0 3926 - F RACS-RAN-Core, NR\_QoE-Core

- Apple agree with the intention and think it should be for Rel-16. Google think that for Rel16 there is only a single use case in Re-16.

- Ericsson think anyway that this message cannot be sent before security activation

- Samsung think we need to mention on the coversheet clearer that there is no interoperatbility issues.

- Lenovo think this is also for QoE

* Agreeable with coversheet polishing

CB Offline 019 (Google), CR

[R2-2302236](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302236.zip) Correction to security protection requirement for ULDedicatedMessageSegment Google Inc. CR Rel-17 38.331 17.3.0 3926 1 F RACS-RAN-Core, NR\_QoE-Core

* agreed

71GHz

Channel Access Control

[R2-2300017](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300017.zip) LS to RAN2 on msg1/msgA transmission channel access control in SIB1 (R1-2212965; contact: Qualcomm) RAN1 LS in Rel-17 NR\_ext\_to\_71GHz-Core

* noted

[R2-2300780](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300780.zip) Channel Access Control for msg1/msgA in FR2-2 Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3827 - F NR\_ext\_to\_71GHz-Core

- QC think it may be needed in serving cell config as well ..

- Ericsson think indeed is it needed in dedicated signalling.

- Apple are ok with the CR. On the cover sheet, do we mention that it is mandatory from regulatory view. Nokia think this is mandatory dep on band.

- HW think this will work also with QC original CR (with both common signaling)

- Nokia think this is cell specific in general, but ok to also have UE specific signallng.

- ZTE would like to understand what kind of MSG A is intended. Think if introduced like this i twill be protocol wise mandatory.

- OPPO think that cell config is enough, and think that if UE specific value is needed it should be discussed in R1.

- Ericsson think the network would not be forced to implement this.

* Agreed

[R2-2300778](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300778.zip) DRAFT Reply LS on msg1/msgA transmission channel access control Qualcomm Incorporated LS out Rel-17 NR\_ext\_to\_71GHz-Core To:RAN1

* Approved, final version in R2-2301942

[R2-2300506](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300506.zip) Discussion on remaining aspects for channel access Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core

DISCUSSION

P1

- Huawei support this proposal.

- QC think 1 bit is gained by this proposal.

- Samsung think nothing is broken and this is not essential, this is only signalling optimization. OPPO agrees.

* P1 not agreed, Noted

[R2-2300132](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300132.zip) Discussion on RAN1 LS on msg1/msgA transmission channel access control OPPO discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2300482](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300482.zip) Discussion on msg1/msgA transmission channel access control in SIB1 Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2300869](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300869.zip) RA channel access mode in FR2-2 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3848 - F NR\_ext\_to\_71GHz-Core

3 tdocs not treated, topic already covered

Other

[R2-2300013](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300013.zip) LS to RAN4 and RAN2 on L3-RSSI measurement for NR up to 71GHz (R1-2212830; contact: Qualcomm) RAN1 LS in Rel-17 NR\_ext\_to\_71GHz-Core

- QC not sure about impact. HW think we can update the related FD. Apple agrees.

* Noted

CB Offline 013 (QC) CR capturing FD modification in support of R1 LS

- Outcome: No CR is needed acc to offline.

[R2-2300558](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300558.zip) CP corrections for NR operation to 71GHz ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3818 - F NR\_ext\_to\_71GHz-Core

- HW, QC, Nokia are ok with P1

* P1 is agreeable

CB revised CR with only P1

[R2-2302172](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302172.zip) CP corrections for NR operation to 71GHz ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3818 1 F NR\_ext\_to\_71GHz-Core

* agreed

[R2-2301383](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301383.zip) Correction on the field descriptions of nrofDownlinkSlots/nrofUplinkSlots Samsung CR Rel-17 38.331 17.3.0 3887 - F NR\_ext\_to\_71GHz

* agreed

[R2-2300507](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300507.zip) Correction to RRC for 71 GHz Ericsson CR Rel-17 38.331 17.3.0 3810 - F NR\_ext\_to\_71GHz-Core

1 tdocs not treated, topic already covered

ePowSav

[R2-2300055](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300055.zip) Reply LS to RAN2 on RLM/BFD relaxation for ePowSav (R4-2220731; contact: vivo) RAN4 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core

* noted

[R2-2300308](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300308.zip) Discussion on RLM/BFD relaxation for SCG deactivation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Proposal 1: RAN2 to discuss the below options to handle the RLM/BFD relaxation for SCG deactivation:

- Option 1: Change RAN2 conclusion as: RLM/BFD relaxation and SCG deactivation with bfd-and-RLM configuration is true cannot be configured simultaneously.

- Option 2: Keep the current situation, i.e. no change in RAN2, no change in RAN4.

DISCUSSION

- CATT support O2, think too late to change.

- OPPO prefers to have consistency, prefer O1.

- Ericsson agree we cannot change R4 req. think O2 can work ok, and that UE can have a configuration even though there are no new requirements for the deactivated case.

Offline 014 (vivo), converge the discussion

[R2-2302293](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302293.zip) [AT121][014][PowSav] RLM/BFD relaxation for SCG deactivation (vivo) vivo

P2

- Ericsson are ok with the principle but think FD should be updated, including updating some of the existing text, but think that cud be fixed next meeting. Chair think discussing the update next meeting is ok

* Go option 2: Keep the current situation for RLM/BFD relaxation for SCG deactivation, i.e. no change in RAN2, no change in RAN4.
* RAN2 clarify that in the case of SCG deactivation and *bfd-and-RLM* is set to true, UE will perform the RLM/BFD according to the requirements for SCG deactivation of *measCyclePSCell* as specified in TS 38.133 no matter whether *goodServingCellEvaluationBFD-r17* and *goodServingCellEvaluationRLM-r17* is configured for SCG.

[R2-2302294](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302294.zip) Correction on RLM/BFD relaxation for SCG deactivation vivo, Ericsson CR Rel-17 38.331 17.3.0 3939 - F NR\_UE\_pow\_sav\_enh-Core

- vivo explains that the presence of the IE is expected already, and is expected to be BC.

- Nokia think title need to be changed, and additional WI code is needed.

- Chair: think we let other check

* Postponed

[R2-2301201](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301201.zip) RLM and BFD relaxation when SCG is deactivated Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2301786](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301786.zip) Clarification on the BFD and RLM relaxation in the case of SCG deactivation ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3922 - F NR\_UE\_pow\_sav\_enh-Core

*Moved from 6.2.2*

[R2-2300309](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300309.zip) [Draft] Reply LS to RAN4 on RLM/BFD relaxation for deactivated SCG vivo LS out Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN4

[R2-2300170](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300170.zip) RRC correction on TRS availability OPPO CR Rel-17 38.331 17.3.0 3779 - F NR\_UE\_pow\_sav\_enh-Core

- CATT think this is not needed, as the availability of SIB17 is mentioned elsewhere. Vivo agrees with CATT.

- Lots of unsupportive comments

- Chair : no support

* Not pursued

[R2-2300791](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300791.zip) Correction on TRS availability handling Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3837 - F NR\_UE\_pow\_sav\_enh-Core

- LG has a different understanding. Think that changed paging cycle doesnt affect TRS Config. Xiaomi agrees with LG.

- vivo support this CR, think that the validity duration is dep on this.

- OPPO think this will not change frequently.

- Samsung think there is no change of config in this case.

- QC think this is not needed. UE should stick to the current value even if default paging cycle is reconfigured.

* Not pursued

[R2-2301104](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301104.zip) Inclusion of SIB17 in Dedicated SIB request Sony discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

- Samsung think dedicated SIB request is for connected mode, so not applicable to SIB17.

- Sony think it is applicable for all states and a smart UE shoul ensure that it has SIB17 before leaving connected.

- Apple support Sony. QC also support.

- CATT think the UE doesnt know when to be released.

- LG think the TRS config is not urgent.

- Ericsson dont want this. We should only send SIB in connected mode if used for connected mode. This has impact on the network.

- OPPO think there is time to receive SIB before any paging arrives.

- Samsung think it is not clear that such transmission will be useful ..

* Some support, but no consensus, noted

[R2-2300515](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300515.zip) Clarification on ensuring valid version of SIB17 Samsung R&D Institute India CR Rel-17 38.331 17.3.0 3811 - F NR\_UE\_pow\_sav\_enh-Core

- Ericsson think the added wording should be more specific. Samsung think we can say TRS based power saving. Sony think that the CR part form the Sony CR could be used. It is more specific-

- QC think this CR is not neccesary. UE should not be mandated to use this, even if the UE is capable. Need to be clear that the UE may choose to not use this feature.

* Agreeable with wording change

Offline 015, CR wording

[R2-2302207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302207.zip) Clarification on ensuring valid version of SIB17 Samsung R&D Institute India CR Rel-17 38.331 17.3.0 3811 1 F NR\_UE\_pow\_sav\_enh-Core

* agreed

[R2-2300171](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300171.zip) Discussion on ignoring PDCCH skipping OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

- CATT think the first one is under network control. Also the second one, not convinced.

- MTK think we agreed to ensure R1 don’t miss the cases we had captured., but now companies can provide contributions in R1 directly.

- vivo think we can bring CRs in R1.

- Ericsson support esp P2

- Nokia think we already covered RACH, incl both 4 step and 2 step. IF RAN1 hasn’t covered this then this can be fixed in R1, further LS is not needed. Apple agrees with Nokia.

- Ericsson think that RAN1 has then forgotten about P2.

* R2 confirms that the intention is that UE shall monitor PDCCH regardless skipping on SpCell after successful completion of 2-step RACH. R2 considered this part of the already sent LS to R1, so if any correction is needed in R1, it can be done there.

eIAB

[R2-2300307](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300307.zip) Corrections to eIAB in TS 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3799 - F NR\_IAB\_enh-Core

- LG has a concern on the 2nd change, we kept it separate deliverately. 3 other companies has same opinion.

- Samsung point out that IAB-MT is a UE, and we cannot do such change in all TSes, would be too much.

- HW think this can be merged with Rapp CR

* 2nd Change is not agreed, other changes are agreed, and are merged with RRC Rapp R17 CR.

DCCA

[R2-2300859](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300859.zip) Discussion on MN Handover While the SCG is Deactivated CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

* Noted

[R2-2300860](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300860.zip) Correction on scg-State in RRCConnectionReconfiguration including the mobilityControlInfo CATT CR Rel-17 36.331 17.3.0 4905 - F LTE\_NR\_DC\_enh2-Core

- QC think the referenced principle doesnt apply in deactivated state.

- Chair : can think to next meeting

* Postponed

MUSIM

[R2-2300793](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300793.zip) CR for clarification of the starting SFN of MUSIM aperiodic gap Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3838 - F LTE\_NR\_MUSIM-Core

- Nokia think this cannot be misunderstood. Apple agrees.

* Not pursued

[R2-2300898](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300898.zip) Miscellaneous correction of NR RRC support for MUSIM vivo CR Rel-17 38.331 17.3.0 3851 - F LTE\_NR\_MUSIM-Core

- Samsung are ok with 2nd and 3d change but 1st change is not correct

- OPPO agree 1st is wrong, and think the clarification in 2nd change is in the wrong place, 3rd could be ok.

* Revised, 1st change shall be undone, modify affected architectures on Cover sheet, revision is agreed unseen

[R2-2301711](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301711.zip) Further Clarification on the MUSIM Scheduling Gap Handling During Handover ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

- Apple wonder under what circumstances the network need to accept.

- Samsung think the UE will always transmit preference in the new cell and the base-station will reconfigure the UE.

- ZTE think that if the gap is ongoing, the source should forward the configuration.

- Samsung think the network will reconfigure.

- Intel think we need to think about the UE behaviour.

Chair: can think about how/if to clarify UE behaviour for this case for next meeting

* Postponed.

Slicing

[R2-2300005](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300005.zip) LS on the information provided from the UE NAS layer for slice based Random Access (C1-227207; contact: CMCC) CT1 LS in Rel-17 NRslice, NR\_slice-Core

* noted

[R2-2301249](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301249.zip) Correction on the access attempt associated NSAG info for RACH CMCC discussion Rel-17 NR\_slice-Core

- Xiaomi think SA2 decided that highest priority shall be used. And think we decided that one NSAG is only allowed to be associated with a RACH partition. LGE agrees and think current TS works well. MTK dont support this.

- Samsung have some sympathy but think it is too late.

* Noted, not agreed

[R2-2301250](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301250.zip) Correction on the access attempt associated NSAG info for RACH CMCC CR Rel-17 38.331 17.3.0 3875 - F NR\_slice-Core

[R2-2301795](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301795.zip) Correction on the access attempt associated NSAG info for RACH CMCC CR Rel-17 38.321 17.3.0 1567 - F NR\_slice-Core

*2 crs not treated*

[R2-2301454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301454.zip) Dedicated and broadcast signalling of re-selection priorities Ericsson discussion Rel-17 NR\_slice-Core

DISCUSSION

- Lots of comments not captured

- Arguments to have SIB16 mandatory for apply slicing based cell reselection : LGE think SIB16 by being broadcast condition sets a cell level geograpcical limitation which may be needed.

- Samsung think we may allow both behaviours then controlled by a flag in dedicated signalling.

- Chair : significant support for Ericsson proposals.

* Postponed

[R2-2301453](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301453.zip) Correction to slice-support cell lists Ericsson CR Rel-17 38.304 17.3.0 0324 - F NR\_slice-Core

* Revised in R2-2302237, add other specs affected x, which is agreed unseen

QoE

[R2-2300030](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300030.zip) Reply LS on questions on RAN visible QoE (R3-226061; contact: Huawei) RAN3 LS in Rel-17 NR\_QoE-Core

- Lenovo think we have this in stage 2 but could have it in stage-3

* Noted

[R2-2300216](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300216.zip) Corrections to Application layer measurement reporting procedure and alignment of terminologies Lenovo CR Rel-17 38.331 17.3.0 3787 - F NR\_QoE-Core

- LGE think we shouldnt move the sentence, can modify slightly instead. Samsung agrees it doesnt have to be moved. SS would prefer to clarify in the FD as Huawei below.

- QC think the requirement is for the application layer, not AS.

- Ericsson think the note is not needed.

- Chair: CR seems agreeable, but without the note, is it editorial? Lenovo want to check some thing

CB Friday

[R2-2302283](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302283.zip) Corrections to Application layer measurement reporting procedure and alignment of terminologies Lenovo CR Rel-17 38.331 17.3.0 3787 1 F NR\_QoE-Core

* Contents agreed, merged with RRC rapporteur CR

[R2-2300606](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300606.zip) Correction to RAN visible periodicity definition Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3820 - F NR\_QoE-Core

- Nokia think AS doesnt know the Application layer periodicity, think this is captured in Stage-2. Samsung think this is need S and we should say something, support update of FD.

* Agreed

[R2-2301008](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301008.zip) Clarification on QoE configuration for Layer-2 based UE-to-Network Relay Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3855 - F NR\_QoE-Core

* Agreed

[R2-2301039](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301039.zip) Correction on QoE reporting during PCell change LG Electronics Inc. CR Rel-17 38.331 17.3.0 3860 - F NR\_QoE-Core

- Samsung wonder if QoE without SRB4 is a valid congfiuration.

- Chair ; there seems to be consensus that this is a nonreasonable configuraion. No need to capture.

* Not pursued

[R2-2301618](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301618.zip) Correction to conditional presence of parameters for SRB4 LG Electronics CR Rel-17 38.331 17.3.0 3909 - F NR\_QoE-Core

* agreed

DC location

[R2-2300554](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300554.zip) Correction to DC location signalling Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

DISCUSSION

- QC think indeed we dont have the outside carrier indication. Think that overhead is not criticat for rel-17 but would be ok for Rel-18. HW think this is a corner case and not needed. Samsung agrees somewhat w HW but think this could be discussed for Rel-18. MTK simila view.

* Not agreeable for Rel-17, some interest for Rel-18

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

General

[R2-2300014](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300014.zip) LS on updated Rel-17 RAN1 UE features lists for NR after RAN1#111 (R1-2212897; 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

* Noted, already impl in TS

[R2-2300612](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300612.zip) Release-17 UE capabilities updates/corrections based on R1 and R4 feature lists (TS38.306) Intel Corporation CR Rel-17 38.306 17.3.0 0859 - F NR\_pos\_enh-Core

- MTK think there are still inconsistencies. FG23-8-3 on antenna sw, has been impl per BC by R2 but is indicated as by FS by R1. Wonder if this is ok? HW think this is for consistency towards earlier rel. Need to check offline. Intel think this has been discussed and is deliberate.

- Intel indicates that we can revise this to handle any new updates, e.g. from R1/4

* Agreeable but can be modified further.

[R2-2300621](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300621.zip) UE Feature List for Rel-17 Intel Corporation CR Rel-17 38.822 16.4.0 0012 - B NR\_IIOT\_URLLC\_enh-Core, NR\_NTN\_solutions-Core, TEI17, NR\_pos\_enh-Core, NR\_SL\_enh-Core, NR\_FeMIMO-Core, NR\_cov\_enh-Core, NR\_SL\_relay-Core, NR\_MBS-Core, NR\_SmallData\_INACTIVE, NR\_RF\_FR1\_enh, NR\_redcap, LTE\_NR\_DC\_enh2-Core, NR\_DSS

- Nokia wonder if we shall update the Rel-16 section. Intel think we can correct.

- Lenovo think there are a number of small things that should be fixed, can be done offline. Think that in the R2 part there is inconsistent numbering, and there are other errors.

CB offline 020 (Intel), on UE caps misc CRs, and feature list, can check potential inconsistency above.

[R2-2302221](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302221.zip) UE Feature List for Rel-17 Intel Corporation CR Rel-17 38.822 16.4.0 0012 1 B NR\_IIOT\_URLLC\_enh-Core, NR\_NTN\_solutions-Core, TEI17, NR\_pos\_enh-Core, NR\_SL\_enh-Core, NR\_FeMIMO-Core, NR\_cov\_enh-Core, NR\_SL\_relay-Core, NR\_MBS-Core, NR\_SmallData\_INACTIVE, NR\_RF\_FR1\_enh, NR\_redcap, LTE\_NR\_DC\_enh2-Core, NR\_DSS

* agreed

[R2-2302220](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302220.zip) Release-17 UE capabilities updates/corrections based on latest R1 and R4 feature lists (TS38.306) Intel Corporation CR Rel-17 38.306 17.3.0 0859 1 F NR\_pos\_enh-Core

- Intel think we may do further updates as R1 will likely update features for MBS, but then update CR in post email discussion

- Chair think Cov Enh is missing on cover sheet

* Revised, add cov enh WI code on the cover sheet, revision agreed (unseen)

[R2-2302239](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302239.zip) Editorial corrections to Release-15 UE capabilities (TS38.306) Intel Corporation CR Rel-15 38.306 15.19.0 0883 - D NR\_newRAT-Core

[R2-2302240](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302240.zip) Editorial corrections to Release-16 UE capabilities (TS38.306) Intel Corporation CR Rel-16 38.306 16.11.0 0883 - D NR\_newRAT-Core TEI16

* Both agreed

Cov Enh

[R2-2300143](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300143.zip) DM-RS bundling for coverage enhancements Qualcomm Incorporated discussion Rel-17 NR\_cov\_enh-Core

[R2-2300443](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300443.zip) Discussion on Capability for DMRS Bundling Ericsson España S.A. discussion Rel-17 38.306 NR\_cov\_enh-Core

* 2 tdocs noted

DISCUSSION

- HW support QC, ZTE also support QC,

- Nokia support Ericsson

- Ericsson explains that the benefit is basestation complexity.

- ZTE think that anyway the network need to open BC, regardless situation. ZTE think that the UE may report less capability than actual

* the DMRS bundling features (30-4a, 30-4b, 30-4c, 30-4d, 30-4g, 30-4h) are defined as “per band and per BC” capability without an exception for single carrier configuration.
* Will remove the current bracketed parts (in intel offline 020)

1024 QAM

[R2-2300789](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300789.zip) RRC Correction on the capability for 1024QAM Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3836 - F NR\_DL1024QAM\_FR1

[R2-2300790](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300790.zip) Correction on the capability for 1024QAM Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0860 - F NR\_DL1024QAM\_FR1

*R2 waiting for reply LS*

* [Post121][048][1024QAM] 1024 QAM CRs (Huawei)

Scope: Take R1 LS into account,

Intended outcome: Agreed CRs UE Cap

Deadline: Short

Intraband ENDC

[R2-2300060](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300060.zip) LS on intraBandENDC-Support (R4-2220837; contact: Huawei) RAN4 LS in Rel-16

Moved from 5.1.3

* Noted

[R2-2300142](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300142.zip) Discussion on UE capability ‘intraBandENDC-Support’ Qualcomm Incorporated discussion Rel-17 TEI17

[R2-2301611](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301611.zip) Discussion on intra-band EN-DC combination Huawei, HiSilicon discussion TEI17

* Both noted

DISCUSSION

- TMO support a new cap IE

- Apple think R4 has defined both for the current signalling. Think we can just follow the LS.

- MTK agree with P1, think that R4 proposal can be considered on top of current. Has concerns with new separation

- ZTE prefers proposal from QC to redefine current for DL and new for UL, think the new cap can be only

- Nokia think that introducing a new cap would make it easier. Wonder if we could avoid to support the mixed case. QC think it doesn’t exist.

- QC think that R4 solution is not forward compatible,

- Apple think R4 has analyzed and made the best solution. Nokia disagrees, think R4 didn’t have a good discussion on UE cap.

- MTK think that also FW compatibility is considered by RAN4.

- TMO think a non-backward change is risku but also think R4 are not the experts on UE cap signalling.

- ZTE think that with Huawei proposal we need two new capabilities.

* We introduce a new capability for UL *intraBandENDC-Support-UL,* and restrict the existing capability to DL.

Email discussion (QC) to next meeting on the details, report + draft LS out (if possible)

* [Post121][043][NR17] Intraband ENDC UE cap (QC)

Scope: Starting point R2-121 agreement discussion R2-2300142. Take into account BW and FW compatibility, can consider R4 discussion aspect if needed. Discuss, allow review/check, Conclude agreeable solution and LS out, alt identify points for discussion / decision.

Intended outcome: Report, draft LS out (to R4)

Deadline: Long

[R2-2301712](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301712.zip) Further Consideration on the Intra-band EN-DC Capability ZTE Corporation, Sanechips discussion Rel-17 TEI17

[R2-2301851](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301851.zip) Further discussion on intraBandENDC-Support MediaTek Inc. discussion Rel-17 TEI17

[R2-2300141](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300141.zip) Discussion on intrabandENDC OPPO discussion Rel-17 TEI17

[R2-2301852](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301852.zip) Support of mixed intra-band contiguous and non-contiguous EN-DC MediaTek Inc. CR Rel-17 38.306 17.3.0 0880 - F TEI17

[R2-2301853](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301853.zip) Support of mixed intra-band contiguous and non-contiguous EN-DC MediaTek Inc. CR Rel-16 38.306 16.11.0 0881 - A TEI16

MGE

[R2-2301739](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301739.zip) Correction on NCSG gap pattern capability MediaTek Inc., Apple, Intel Corporation CR Rel-17 38.306 17.3.0 0877 - F NR\_MG\_enh-Core

* agreed

deriveSSB-IndexFromCellInter

[R2-2300052](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300052.zip) LS on UE capability for network flag deriveSSB-IndexFromCellInter (R4-2220723; contact: CMCC) RAN4 LS in Rel-17 TEI17

* Noted

[R2-2301315](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301315.zip) Discussion on UE capability for deriveSSB-IndexFromCellInter ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core

- Apple think the MRDC is useful and think R4 need to know.

- Ericsson think we don’t need MRDC clarification in the TS, can be in the cover sheet.

- MTK think indeed it is for any arch option, Nokia CRs looks best.

- QC agrees it is for any arch option.

CB Offline 029, Agreeable CRs (ZTE)

[R2-2302276](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302276.zip) Introducing deriveSSB-IndexFromCellInter capability for non-NCSG UEs ZTE Corporation, Apple, Nokia, CMCC CR Rel-17 38.306 17.3.0 0885 - F TEI17

[R2-2302277](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302277.zip) Introducing deriveSSB-IndexFromCellInter capability for non-NCSG UEs ZTE Corporation, Apple, Nokia, CMCC CR Rel-17 38.331 17.3.0 3936 - F TEI17

* Both agreed

[R2-2301630](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301630.zip) Discussion on network flag deriveSSB-IndexFromCellInter CATT discussion Rel-17 TEI17

[R2-2300741](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300741.zip) UE capability to indicate supporting flag deriveSSB-IndexFromCell-inter-r17 Apple CR Rel-17 38.331 17.3.0 3824 - F TEI17

[R2-2301464](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301464.zip) UE capability to indicate supporting flag deriveSSB-IndexFromCell-inter-r17 Apple CR Rel-17 38.306 17.3.0 0865 - F TEI17

[R2-2301656](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301656.zip) Non-NCSG UE capability for flag deriveSSB-IndexFromCellInter Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.3.0 0871 - F TEI17

[R2-2301657](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301657.zip) Non-NCSG UE capability for flag deriveSSB-IndexFromCellInter Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3912 - F TEI17

Withdrawn

[R2-2300770](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300770.zip) Correction on NCSG gap pattern capability MediaTek Inc., Apple, Intel Corporation CR Rel-17 38.331 17.3.0 3825 - F NR\_MG\_enh-Core Withdrawn

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304. Including IAB Control items in TSes 38.321 and 38.340.

ePowSav

[R2-2301200](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301200.zip) Power saving during an emergency PDU session Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2301482](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301482.zip) PEI handling during emergency services Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

* 2 noted

DISCUSSION

- Ericsson think that TSes shall be consistent between CN assigned subgrouping and UE ID based subgrouping.

- Nokia think the paging delay by PEI is less significant.

- QC think these proposals are R3 and we can skip

- CATT think that CT agreements were not based on proper understanding of delays. Everyone seems to agree this is not a big issue. Would not support to make a mechanism to diable UE ID based subgrouping for emergency call.

CB Will CB to decide if to have a mechanism to disable UE ID based sub-grouping.

[R2-2302281](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302281.zip) DRAFT LS on the use of PEI during an emergency PDU session Ericsson LS out

* Remove from the action “and make any corrections if deemed necessary (in Rel-17 or a later release)”,
* With this change the LS is approved in R2-2302302

ePowSav + RedCap

[R2-2300792](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300792.zip) Clarification on the DRX cycle for the misalignment issue in RRC\_INACTIVE state Huawei, HiSilicon CR Rel-17 38.304 17.3.0 0320 - F NR\_UE\_pow\_sav\_enh-Core, NR\_redcap-Core

DISCUSSION

- QC agress with the issue but poit out to be careful about the difference between Operating in eDRX and configured for eDRX.

- Ericsson are not sure of the issue.

- Apple think we need to resolve the other issues on operating in vs configured for first. Think this is not urgent

- vivo think that the note is correct, and we need this correction. The other part is related to other discussions.

- Chair: can give companies more time

* Postponed

ePowSav + SL relay

[R2-2300310](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300310.zip) Discussion on PEI monitoring for L2 U2N Remote UE vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core, NR\_SL\_relay-Core

Moved from 6.1.3.1

* Noted, not agreed (no support)

[R2-2301838](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301838.zip) Coexistance of PEI in case of SL relay Ericsson CR Rel-17 38.300 17.3.0 0588 1 F NR\_UE\_pow\_sav\_enh-Core, NR\_SL\_relay-Core [R2-2212426](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212426.zip)

- xiaomi think this is ok.

- HW and OPPO think there is no issue as PEI doesn’t change the PO. Ericsson think that the relay UE is not using the capabilities of the remote UE for paging.

- OPPO think there is no capability issue.

- HW think it is clear in the TS that relay UE uses remote UEs PO (not PEI) so there is nothing to fix. Vivo think that if remote UE can be in Uu coverage it can use PEI.

* Not pursued

SDT + SL Relay

[R2-2301840](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301840.zip) Clarification on configuration of SDT with SL relay Ericsson CR Rel-17 38.331 17.3.0 3699 1 F NR\_SmallData\_INACTIVE-Core, NR\_SL\_relay-Core [R2-2212427](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212427.zip)

- Xiaomi think the condition is not fulfilled.

- ZTE think the UE being in a cell with SIB1 is a requirements, and also SDT is configured by RRC release.

- vivo indicate that PC5 ad Uu connection is not possible at the same time.

* Not pursued

IAB

[R2-2301080](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301080.zip)   Clarification on desired IAB-MT PSD range            ZTE, Sanechips            CR       Rel-17  38.321  17.3.0   1538     -   F          NR\_IAB\_enh-Core

* Agreed

[R2-2301125](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301125.zip)   Correction to add the missing eIAB MAC CEs        Huawei, HiSilicon   CR       Rel-17  38.321  17.3.0   1539     -           F   NR\_IAB\_enh-Core

- LGE think that this can be merged with rapporteur CR

* Agreed

[R2-2301208](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301208.zip)   Correction to 38.321 on Integrated Access and Backhaul for NR Rel-17 concerning DL TX power adjustment range extension Samsung          CR       Rel-17  38.321  17.3.0   1540     -           F          NR\_IAB\_enh-Core

4 tdocs moved from 6.1.2

- LGE prefer that R1 specify codepoint mapping. QC think R1 doesnt want to do it. ZTE agrees with QC

- HW confirm that R2 should specify this for this case.

* agreed

[R2-2301124](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301124.zip)   Corrections on the inter-CU routing and header rewriting for eIAB        Huawei, HiSilicon           CR       Rel-17  38.340   17.3.0   0031     -           F          NR\_IAB\_enh-Core

* the 1st and 2nd change are agreed, revision is agreed unseen.

[R2-2301300](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301300.zip) Clarification on DL TX Power Adjustment range Ericsson CR Rel-17 38.321 17.3.0 1546 - F NR\_IAB\_enh-Core

Not treated, already covered

## 6.2 NR Multicast

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

Tdoc Limitation: 3 tdocs

### 6.2.1 Organizational and Stage-2 corrections

Incoming LSs, general issues, corrections to TS 38.300.

[R2-2300008](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300008.zip) LS on the RRC parameter for multicast HARQ-ACK feedback (R1-2210703; contact: Huawei) RAN1 LS in Rel-17 NR\_MBS-Core To:RAN2

[R2-2300039](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300039.zip) LS on potential de-synchronisation of a multicast MRB’s PDCP HFN and SN (R3-226903; contact: Ericsson) RAN3 LS in Rel-17 NR\_MBS-Core To:RAN2

[R2-2300193](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300193.zip) MBS corrections for 38.300 CATT,CBN CR Rel-17 38.300 17.3.0 0613 - F NR\_MBS-Core

### 6.2.2 CP corrections

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

[R2-2300194](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300194.zip) Corrections to TS 38.331 CATT, CBN CR Rel-17 38.331 17.3.0 3782 - F NR\_MBS-Core

[R2-2300195](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300195.zip) Discussions on Remaining Issues of MBS CATT discussion NR\_MBS-Core

[R2-2300795](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300795.zip) Discussion on MBS Support within NPN vivo Mobile Com. (Chongqing) discussion Rel-17 NR\_MBS-Core

[R2-2300796](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300796.zip) Further Discussion on Multicast Session ID Configuration vivo Mobile Com. (Chongqing) discussion Rel-17 NR\_MBS-Core

[R2-2300870](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300870.zip) PLMN-Index usage and SNPN with MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

[R2-2301120](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301120.zip) Clarification on DCI enabled Multicast HARQ feedback Samsung R&D Institute India CR Rel-17 38.331 17.3.0 3863 - F NR\_MBS-Core

[R2-2301132](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301132.zip) Clarification on MBS neighbour cell list Samsung R&D Institute India CR Rel-17 38.331 17.3.0 3868 - F NR\_MBS-Core

[R2-2301159](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301159.zip) Discussion on the plmn-index usage for multicast Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2301160](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301160.zip) MBS support for NPN Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2301202](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301202.zip) Miscellaneous clarifications for MBS Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2301203](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301203.zip) MBS and NPN Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2301204](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301204.zip) MBS reception when eDRX or MICO mode is configured Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2301669](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301669.zip) MBS corrections for RRC Release procedure Sharp draftCR Rel-17 38.331 17.3.0 F NR\_MBS-Core

[R2-2301690](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301690.zip) Discussion and TP on the MBS support in NPN scenario Beijing Xiaomi Software Tech discussion Rel-17

[R2-2301750](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301750.zip) MBS neighbour cell list signalling Nokia, Nokia Shanghai Bell, Ericsson, ZTE, Sanechips, Huawei, HiSilicon, Qualcomm Incorporated discussion Rel-17 NR\_MBS-Core

[R2-2301755](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301755.zip) Discussion on Supporting MBS services through SNPN Samsung Electronics Czech discussion Rel-17

[R2-2301779](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301779.zip) CR to TS 38.331 on MBS neighbour cell list ZTE, Nokia, Ericsson, Nokia Shanghai Bell, Qualcomm Inc., Huawei, Sanechips CR Rel-17 38.331 17.3.0 3920 - F NR\_MBS-Core

[R2-2301780](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301780.zip) Misc CR to TS 38.331 on NR MBS ZTE, Sanechips CR Rel-17 38.331 17.3.0 3921 - F NR\_MBS-Core

[R2-2301781](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301781.zip) Correction options on RedCap and SNPN support of NR MBS in Rel-17 ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

[R2-2301806](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301806.zip) Correction to UL configuration for multicast MRB Google Inc. CR Rel-17 38.331 17.3.0 3923 - F NR\_MBS-Core

### 6.2.3 UP corrections

Including corrections to MAC, PDCP, RLC and SDAP.

[R2-2300299](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300299.zip) MBS multicast MRB desync of PDCP COUNT Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

[R2-2301118](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301118.zip) Answers to the RAN3 LS on de-synchronisation of MRB HFN and SN Xiaomi discussion Rel-17 NR\_MBS-Core

[R2-2301161](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301161.zip) MBS user plane Issues Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2301459](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301459.zip) MAC Corrections on MBS vivo CR Rel-17 38.321 17.3.0 1550 - F NR\_MBS-Core

[R2-2301731](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301731.zip) Clarification on DRX for retransmission of multicast SPS LG Electronics Inc. draftCR Rel-17 38.321 17.3.0 F NR\_MBS-Core

[R2-2301732](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301732.zip) Clarification on HARQ feedback transmission for the first multicast SPS transmission LG Electronics Inc. draftCR Rel-17 38.321 17.3.0 F NR\_MBS-Core

## 6.3 NR IIoT URLLC

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

Tdoc Limitation: 2 tdocs

### 6.3.1 Control Plane

A single CR 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

### 6.3.2 User Plane

A single CR 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

[R2-2301884](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301884.zip) Corrections on one shot HARQ feedback ASUSTeK CR Rel-17 38.321 17.3.0 1570 - F NR\_IIOT\_URLLC\_enh-Core

## 6.4 Small Data enhancements

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

Tdoc Limitation: 2 tdocs

### 6.4.1 User plane common aspects

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

R2-2300114 Correction to misc issues to MAC spec for Small Data Transmission Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1509 - F NR\_SmallData\_INACTIVE-Core Withdrawn

[R2-2300184](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300184.zip) DTCH MAC SDU in MsgB and Msg4 Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2300449](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300449.zip) Changing the wording for TA reference derivation Ericsson España S.A. CR Rel-17 38.321 17.3.0 1513 - F NR\_SmallData\_INACTIVE-Core

[R2-2300513](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300513.zip) MAC Corrections on SDT vivo CR Rel-17 38.321 17.3.0 1521 - F NR\_SmallData\_INACTIVE-Core

[R2-2300776](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300776.zip) CR for Miscellaneous Corrections for SDT operation LG Electronics. CR Rel-17 38.321 17.3.0 1525 - F NR\_SmallData\_INACTIVE-Core

[R2-2300803](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300803.zip) Corrections on RNTI usage for SDT NEC, Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1526 - F NR\_SmallData\_INACTIVE-Core

[R2-2301280](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301280.zip) Corrections for 2-step RA-SDT Ericsson España S.A. CR Rel-17 38.321 17.3.0 1541 - F NR\_SmallData\_INACTIVE-Core

[R2-2301831](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301831.zip) Correction to RA-SDT Google Inc. CR Rel-17 38.321 17.3.0 1569 - F NR\_SmallData\_INACTIVE-Core

### 6.4.2 Control plane common aspects

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur.

Big critical issues can be discussed in a contribution with CR in the appendix of the contribution

[R2-2300376](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300376.zip) Clarification on pending UL NAS message transmission during SDT MediaTek Inc. discussion

[R2-2300566](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300566.zip) SDT CP corrections ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3819 - F NR\_SmallData\_INACTIVE-Core

[R2-2300604](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300604.zip) Consideration on UDC and EHC applicability after SDT Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2300607](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300607.zip) Correction to SI acquisition during SDT Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3821 - F NR\_SmallData\_INACTIVE-Core

[R2-2300771](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300771.zip) RRC Clarification on SDT vivo CR Rel-17 38.331 17.3.0 3927 - F NR\_SmallData\_INACTIVE-Core

[R2-2300775](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300775.zip) Clarification for SDT configuration LG Electronics. CR Rel-17 38.331 17.3.0 3826 - F NR\_SmallData\_INACTIVE-Core

[R2-2301282](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301282.zip) Correction on unsuccessful SDT events Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.3.0 0628 - F NR\_SmallData\_INACTIVE-Core

[R2-2301283](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301283.zip) Correction on RRCReject handling for SDT Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3876 - F NR\_SmallData\_INACTIVE-Core

[R2-2301808](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301808.zip) Clarification on SDT-Config in the inter-node message Google Inc. CR Rel-17 38.331 17.3.0 3924 - F NR\_SmallData\_INACTIVE-Core

## 6.5 NR Sidelink relay

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

Tdoc Limitation: 3 tdocs

### 6.5.1 General and stage 2 corrections

Incoming LSs, etc., and any stage 2 corrections (impact to 38.300).

[R2-2301223](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301223.zip) Correction to 38.300 on SRAP operation Samsung CR Rel-17 38.300 17.3.0 0627 - F NR\_SL\_relay-Core

### 6.5.2 Control plane corrections

Including connection management, SI delivery, paging, access control for remote UE, and service continuity.

[R2-2300137](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300137.zip) Discussion on left issues for CP OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2300388](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300388.zip) Correction on remote UE's resource allocation Xiaomi, Ericsson, CATT, ZTE CR Rel-17 38.331 17.3.0 3802 - F NR\_SL\_relay-Core

[R2-2300389](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300389.zip) Correction on 38.331 Xiaomi CR Rel-17 38.331 17.3.0 3803 - F NR\_SL\_relay-Core

[R2-2300686](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300686.zip) Correction on SRAP entity release vivo CR Rel-17 38.331 17.3.0 3822 - F NR\_SL\_relay-Core

[R2-2300863](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300863.zip) Issues on L2 ID(s) for D2I path switching of L2 U2N relay CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2300864](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300864.zip) LS on L2 ID issue for D2I path switching of L2 U2N relay CATT LS out Rel-17 NR\_SL\_relay-Core To:SA2, CT1

[R2-2300865](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300865.zip) Correction on the Description of RRC Functions CATT CR Rel-17 38.331 17.3.0 3845 - F NR\_SL\_relay-Core

[R2-2300998](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300998.zip) Correction in Remote UE synchronization Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3854 - F NR\_SL\_relay-Core

[R2-2301017](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301017.zip) Correction on Sidelink Synchronisation Reference Ericsson España S.A. CR Rel-17 38.331 17.3.0 3856 - F NR\_SL\_relay-Core

[R2-2301019](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301019.zip) Correction on Field Description for SRAP Config Ericsson España S.A. CR Rel-17 38.331 17.3.0 3857 - D NR\_SL\_relay-Core

[R2-2301121](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301121.zip) Miscellaneous corrections to TS 38.331 for SL relay ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3864 - F NR\_SL\_relay-Core

[R2-2301122](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301122.zip) Corrections on SL discovery ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3865 - F NR\_SL\_relay-Core

[R2-2301167](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301167.zip) Correction for receiving PC5 unicast link release during path switching Lenovo CR Rel-17 38.331 17.3.0 3872 - F NR\_SL\_relay-Core

[R2-2301174](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301174.zip) Correction for Uu message transfer procedure Lenovo CR Rel-17 38.331 17.3.0 3873 - F NR\_SL\_relay-Core

[R2-2301175](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301175.zip) Clarification on dl-P0-PSBCH, dl-P0-PSSCH-PSCCH and dl-P0-PSFCH for OoC Remote UE Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3874 - F NR\_SL\_relay-Core

[R2-2301212](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301212.zip) Discussion on Sidelink Synchronization Reference Ericsson España S.A. discussion Rel-17

R2-2301922 Summary of agenda item 6.5.2 on relay control plane (Huawei) Huawei discussion Rel-17 NR\_SL\_relay-Core

### 6.5.3 User plane corrections

Including SRAP aspects and QoS.

[R2-2300758](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300758.zip) Correction on handling of unforeseen SRAP Data PDU Apple CR Rel-17 38.351 17.3.0 0014 - F NR\_SL\_relay-Core

[R2-2301123](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301123.zip) Corrections on SRAP for SL relay ZTE Corporation, Sanechips CR Rel-17 38.351 17.3.0 0015 - F NR\_SL\_relay-Core

[R2-2301176](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301176.zip) Correction to error handling in SRAP Huawei, HiSilicon CR Rel-17 38.351 17.3.0 0016 - F NR\_SL\_relay-Core

[R2-2301329](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301329.zip) Correction on SRAP for L2 U2N Relay Philips International B.V. CR Rel-17 38.351 17.3.0 0017 - F NR\_SL\_relay\_enh, NR\_SL\_relay\_enh-Core

[R2-2301351](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301351.zip) SRAP layer corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.351 17.3.0 NR\_SL\_relay-Core

[R2-2301483](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301483.zip) Correction on discovery message filtering Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1553 - F NR\_SL\_relay-Core

[R2-2301527](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301527.zip) Clarification on PDCP for L2 U2N Relay ASUSTeK CR Rel-17 38.323 17.3.0 0115 - F NR\_SL\_relay-Core

[R2-2301528](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301528.zip) Clarification on data volume consideration for L2 U2N Relay ASUSTeK CR Rel-17 38.321 17.3.0 1557 - F NR\_SL\_relay-Core

[R2-2301548](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301548.zip) PDCP PDU delivery to SRAP for sidelink relay Nokia, Nokia Shanghai Bell CR Rel-17 38.323 17.3.0 0116 - F NR\_SL\_relay-Core

[R2-2301919](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301919.zip) Summary of AI 6.5.3 on user plane corrections (OPPO) OPPO discussion Rel-17 NR\_SL\_relay-Core

## 6.6 NR Non-Terrestrial Networks (NTN)

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

Tdoc Limitation: 3 tdocs

### 6.6.1 General and Stage 2 corrections

LSs and Stage 2 corrections.

[R2-2300018](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300018.zip) Reply LS on validity of assistance information (R1-2212984; contact: OPPO) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To: RAN2

[R2-2300043](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300043.zip) LS to RAN2 on inter-operability testing (IOT) bit for inter-satellite measurement (R4-2220425; contact: MediaTek) RAN4 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

[R2-2300044](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300044.zip) LS on capability description for enhanced cell reselection requirements in NTN (R4-2220427; contact: Nokia) RAN4 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

[R2-2300057](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300057.zip) Reply LS on enhanced cell reselection requirements (R4-2220741; contact: Huawei) RAN4 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

[R2-2300123](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300123.zip) Correction on Stage-2 descriptions for NR NTN vivo, Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.3.0 0611 - F NR\_NTN\_solutions-Core

[R2-2300166](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300166.zip) NTN Stage-2 correction OPPO CR Rel-17 38.300 17.3.0 0612 - F NR\_NTN\_solutions-Core

[R2-2300271](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300271.zip) [Draft] Reply LS on inter-operability testing (IOT) bit for inter-satellite measurement MediaTek Inc. LS out Rel-17 NR\_NTN\_solutions To:RAN4

[R2-2300471](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300471.zip) Draft Response LS on Enhanced Cell Reselection Requirements for NTN Nokia, Nokia Shanghai Bell LS out Rel-17 NR\_NTN\_solutions-Core To:RAN4

[R2-2300881](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300881.zip) Clarification on support of TN NTN mobility during RRC\_INACTIVE Qualcomm Incorporated CR Rel-17 38.300 17.3.0 0622 - F NR\_NTN\_solutions-Core

[R2-2301139](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301139.zip) Corrections on neighboring cell measurement ZTE Corporation, Sanechips CR Rel-17 38.300 17.3.0 0626 - F NR\_NTN\_solutions-Core

[R2-2301445](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301445.zip) Corrections to 38.300 related to Section Scheduling and Timing THALES CR Rel-17 38.300 17.3.0 0630 - F NR\_NTN\_solutions-Core

[R2-2301685](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301685.zip) Corrections on the description related to the timing advance pre-compensation CATT CR Rel-17 38.300 17.3.0 0636 - F NR\_NTN\_solutions-Core

### 6.6.2 UP corrections

[R2-2300124](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300124.zip) Corrections to NR Non-Terrestrial Networks (NTN) for TS 38.321 vivo CR Rel-17 38.321 17.3.0 1510 - F NR\_NTN\_solutions-Core

[R2-2300729](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300729.zip) Clarification on CG-SDT Timer in NTN Apple CR Rel-17 38.321 17.3.0 1522 - F NR\_NTN\_solutions-Core

[R2-2301157](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301157.zip) Clarification on UE behaviour when the validity timer expires Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2301636](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301636.zip) Clarification on HARQ feedback transmission after SPS activation LG Electronics Inc. CR Rel-17 38.321 17.3.0 1560 - F NR\_NTN\_solutions-Core

[R2-2301658](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301658.zip) Corrections on MAC procedure upon validity timer expiry Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.3.0 1561 - F NR\_NTN\_solutions-Core

[R2-2301704](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301704.zip) Preamble Group Selection for TA Reporting Google Inc. CR Rel-17 38.321 17.3.0 1563 - F NR\_NTN\_solutions-Core

### 6.6.3 CP corrections

[R2-2300125](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300125.zip) Remaining issue on PDD reporting vivo, Samsung, Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2300168](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300168.zip) RRC correction on epochTime and distanceThreshold OPPO CR Rel-17 38.331 17.3.0 3777 - F NR\_NTN\_solutions-Core

[R2-2300169](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300169.zip) RRC correction on inactiveStateNTN OPPO CR Rel-17 38.331 17.3.0 3778 - F NR\_NTN\_solutions-Core

[R2-2300201](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300201.zip) Correction for RLC-Config-v1700 RadiSys CR Rel-18 38.331 17.3.0 3783 - F NR\_NTN\_enh-Core

[R2-2300202](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300202.zip) Correction for RLC-Config-v1700 RadiSys CR Rel-17 38.331 17.3.0 3784 - F NR\_NTN\_solutions-Core

Moved from 6.6.2

[R2-2300213](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300213.zip) Additional IE inclusion within SI-SchedulingInfo-v1700 RadiSys CR Rel-18 38.331 17.3.0 3785 - F NR\_NTN\_solutions-Core

[R2-2300218](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300218.zip) Additional IE inclusion within SI-SchedulingInfo-v1700 RadiSys CR Rel-17 38.331 17.3.0 3788 - F NR\_NTN\_solutions-Core

[R2-2300219](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300219.zip) Correction in Need Code for cellSpecificKoffset-r17 and kmac-r17 in NTN-Config-r17 RadiSys CR Rel-18 38.331 17.3.0 3789 - F NR\_NTN\_solutions-Core

*Moved from 6.2.2*

[R2-2300234](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300234.zip) Remaining issues on SMTC Huawei, HiSilicon, vivo, Samsung discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2300235](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300235.zip) CR to 38.304 on relaxed measurements Huawei, HiSilicon CR Rel-17 38.304 17.3.0 0318 - F NR\_NTN\_solutions-Core

[R2-2300236](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300236.zip) CR to 38.331 on event D1 Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3790 - F NR\_NTN\_solutions-Core

[R2-2300267](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300267.zip) Correction on missing referencing of the NTN spec in 38.331 MediaTek Inc. CR Rel-17 38.331 17.3.0 3793 - F NR\_NTN\_solutions-Core

R2-2300268 Correction on missing referencing of the NTN spec in 38.306 MediaTek Inc. CR Rel-17 38.331 17.3.0 3794 - A NR\_NTN\_solutions-Core Withdrawn

[R2-2300269](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300269.zip) IOT bit for inter satellite measurement (38.306) MediaTek Inc. CR Rel-17 38.306 17.3.0 0853 - F NR\_NTN\_solutions-Core

[R2-2300270](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300270.zip) IOT bit for inter satellite measurement (38.331) MediaTek Inc. CR Rel-17 38.331 17.3.0 3795 - F NR\_NTN\_solutions-Core

[R2-2300301](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300301.zip) Correction in Need Code for UplinkHARQ-mode-r17 and DownlinkHARQ-FeedbackDisabled-r17 RadiSys CR Rel-18 38.331 17.3.0 3797 - A NR\_NTN\_solutions-Core

[R2-2300302](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300302.zip) Correction in Need Code for UplinkHARQ-mode-r17 and DownlinkHARQ-FeedbackDisabled-r17 RadiSys CR Rel-17 38.331 17.3.0 3798 - F NR\_NTN\_solutions-Core

[R2-2300365](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300365.zip) Correction on NR NTN UE capability for enhanced measurement requirements for cell reselection Intel Corporation CR Rel-17 38.306 17.3.0 0854 - F NR\_NTN\_solutions-Core

[R2-2300370](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300370.zip) Clarification on NR NTN UE capability eventA4BasedCondHandover-r17 Intel Corporation CR Rel-17 38.306 17.3.0 0855 - F NR\_NTN\_solutions-Core

[R2-2300470](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300470.zip) 38.306 CR On Enhanced Cell Reselection Requirements Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.3.0 0856 - F NR\_NTN\_solutions-Core

[R2-2300472](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300472.zip) On T430 and epochTime related aspects Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2300614](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300614.zip) Handling of features with different UE support in TN and NTN Intel Corporation discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2300730](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300730.zip) Clarification on measurement relaxation in NTN Apple CR Rel-17 38.331 17.3.0 3823 - F NR\_NTN\_solutions-Core

[R2-2300879](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300879.zip) Clarification on TN EUTRA capability reporting Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3849 - F NR\_NTN\_solutions-Core

[R2-2300880](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300880.zip) Clarification on use of feature upon TN NTN mobility during RRC\_INACTIVE Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3850 - F NR\_NTN\_solutions-Core

[R2-2300910](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300910.zip) NR NTN Rel-17 neighbor cell measurements Ericsson discussion Rel-17

[R2-2301042](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301042.zip) Clarification on essential SIB19 for NR NTN Xiaomi, CAICT, Lenovo, Samsung, MediaTek, Apple, OPPO, CATT, CMCC, Qualcomm CR Rel-17 38.331 17.3.0 3861 - F NR\_NTN\_solutions-Core

[R2-2301137](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301137.zip) Clarification on neighboring cell measurements for NTN ZTE Corporation, Sanechips discussion Rel-17

[R2-2301138](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301138.zip) Corrections on neighboring cell measurement ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3871 - F NR\_NTN\_solutions-Core

[R2-2301392](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301392.zip) Correction on missing referencing of the NTN spec in 38.306 Mediatek Inc. CR Rel-17 38.306 17.3.0 0862 - F NR\_NTN\_solutions-Core

[R2-2301436](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301436.zip) Correction related to a missing description of a parameter of the number of HARQ processes Thales CR Rel-17 38.331 17.3.0 3892 - D NR\_NTN\_solutions-Core

Moved from 6.6.1

[R2-2301476](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301476.zip) Discussion on IoT bit for inter-satellite measurement Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2301477](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301477.zip) Correction for NR NTN on reconfiguration with sync Samsung CR Rel-17 38.331 17.3.0 3901 - F NR\_NTN\_solutions-Core

[R2-2301478](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301478.zip) Correction for NR NTN on relaxed measurement Samsung CR Rel-17 38.331 17.3.0 3902 - F NR\_NTN\_solutions-Core

[R2-2301529](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301529.zip) Clarification on T430 handling for target cell ASUSTeK CR Rel-17 38.331 17.3.0 3905 - F NR\_NTN\_solutions-Core

[R2-2301686](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301686.zip) Corrections on the relaxed cell reselection requirements CATT CR Rel-17 38.304 17.3.0 0325 - F NR\_NTN\_solutions-Core

[R2-2301687](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301687.zip) Discussion on the RAT type of TN and NTN CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2301703](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301703.zip) Skip Measurements of a Neighbour Frequency or Cell Google Inc. CR Rel-17 38.304 17.3.0 0326 - F NR\_NTN\_solutions-Core

[R2-2301847](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301847.zip) Clarification on measurement relaxation target for NTN LG Electronics Inc. CR Rel-17 38.304 17.3.0 0328 - F NR\_NTN\_enh-Core

[R2-2301848](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301848.zip) Clarification on measurement relaxation source for NTN LG Electronics France CR Rel-17 38.331 17.3.0 3928 - F NR\_NTN\_enh-Core

## 6.7 NR positioning enhancements

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

Tdoc Limitation: 4 tdocs

### 6.7.1 General and stage 2 corrections

[R2-2300041](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300041.zip) Reply LS on support of positioning in FR2-2 (R4-2220391; contact: Huawei) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN1

[R2-2300042](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300042.zip) Reply LS on capability for PRS measurement without MG (R4-2220392; contact: CATT) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN1

[R2-2300053](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300053.zip) Reply LS on applicability of timing error margin of Rx TEG (R4-2220729; contact: Ericsson) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN1, RAN3

[R2-2300217](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300217.zip) Corrections to stage 2 descriptions for NR positioning Lenovo CR Rel-17 38.305 17.3.0 0118 - F NR\_pos\_enh-Core

[R2-2300415](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300415.zip) Miscellaneous corrections for Positioning Stage2 Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2300416](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300416.zip) Miscellaneous corrections for Positioning Stage2 Intel Corporation CR Rel-18 38.305 17.3.0 0119 - F NR\_pos\_enh-Core

[R2-2300673](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300673.zip) 38.305 CR for miscellaneous corrections vivo draftCR Rel-17 38.305 17.3.0 D NR\_pos\_enh-Core

[R2-2300933](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300933.zip) Correction on the gNB's behaviour for pre-configured MG ZTE Corporation CR Rel-17 38.305 17.3.0 0120 - F NR\_pos\_enh-Core

[R2-2301619](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301619.zip) Corrections on TS38.305 CATT CR Rel-17 38.305 17.3.0 0121 - F NR\_pos\_enh-Core

### 6.7.2 RRC corrections

Corrections to 38.331, except for UE capability issues which are handled under the UE capability agenda item.

[R2-2301303](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301303.zip) Discussion on NW configuration for UL MAC CE Ericsson, Huawei, Hi-Silicon, Intel Corporation discussion Rel-17

[R2-2301304](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301304.zip) RRC Configuration for Positioning Measurement Gap Activation/Deactivation Request MAC CE Ericsson, Huawei, HiSilicon, Intel Corporation CR Rel-17 38.331 17.3.0 3891 - F NR\_pos\_enh-Core

### 6.7.3 LPP corrections

Corrections to 37.355.

R2-2300106 Correction on QCL information for On-demand PRS Huawei, HiSilicon CR Rel-17 37.355 17.3.0 0403 - F NR\_pos\_enh-Core Withdrawn

[R2-2300111](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300111.zip) Miscellaneous Corrections to LPP Huawei, HiSilicon CR Rel-17 37.355 17.3.0 0404 - F NR\_pos\_enh-Core

[R2-2300112](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300112.zip) Correction to UE capability for MG (de-)activation Huawei, HiSilicon, Ericsson CR Rel-17 37.355 17.3.0 0405 - F NR\_pos\_enh-Core Revised

[R2-2300414](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300414.zip) Miscellaneous corrections for Positioning capabilities Intel Corporation CR Rel-17 37.355 17.3.0 0408 - F NR\_pos\_enh-Core

[R2-2300674](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300674.zip) Change request about UE capability for PRS measurement within a PPW vivo draftCR Rel-17 37.355 17.3.0 F NR\_pos\_enh-Core

[R2-2300934](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300934.zip) Correction on the scheduled location time ZTE Corporation CR Rel-17 37.355 17.3.0 0409 - F NR\_pos\_enh-Core

[R2-2301809](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301809.zip) Clarification of FR2-2 capability support of subcarrier spacing for the DL PRS resource Ericsson CR Rel-17 37.355 17.3.0 0415 - F NR\_pos\_enh-Core

[R2-2301829](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301829.zip) Correction to UE capability for MG (de-)activation Huawei, HiSilicon, Ericsson, Intel CR Rel-17 37.355 17.3.0 0405 1 F NR\_pos\_enh-Core [R2-2300112](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300112.zip)

R2-2301900 Summary of AI 6.7.3 - NR positioning enhancements, LPP corrections Qualcomm Incorporated discussion Rel-17 NR\_pos\_enh-Core

### 6.7.4 MAC corrections

Corrections to 38.321.

[R2-2300113](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300113.zip) Correction to validation for INACTIVE posSRS transmission Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1508 - F NR\_pos\_enh-Core Revised

[R2-2300280](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300280.zip) Correction to posMG (de-)activation request Huawei, HiSilicon, Ericsson CR Rel-17 38.321 17.3.0 1512 - F NR\_pos\_enh-Core Revised

[R2-2300935](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300935.zip) Correction on uplink TA maintenance for positioning ZTE Corporation CR Rel-17 38.321 17.3.0 1535 - F NR\_pos\_enh-Core

[R2-2300936](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300936.zip) Correction to MAC spec for positioning ZTE Corporation CR Rel-17 38.321 17.3.0 1536 - F NR\_pos\_enh-Core

[R2-2301815](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301815.zip) Correction for trigger condition of Scheduling Request Ericsson CR Rel-17 38.321 17.3.0 1568 - F NR\_pos\_enh-Core

[R2-2301828](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301828.zip) Correction to PosMG Activation/Deactivation Request Huawei, HiSilicon, Ericsson, Intel CR Rel-17 38.321 17.3.0 1512 1 F NR\_pos\_enh-Core [R2-2300280](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300280.zip)

[R2-2301832](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301832.zip) Correction to validation for INACTIVE posSRS transmission Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1508 1 F NR\_pos\_enh-Core [R2-2300113](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300113.zip)

### 6.7.5 UE capabilities

Including impact to 38.306 and any UE-capability-specific impact to 38.331.

## 6.8 Reduced Capability

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

Tdoc Limitation: 3 tdocs

### 6.8.1 General

[R2-2300173](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300173.zip) Discussion on CG-SDT for RedCap Ues OPPO discussion Rel-17 NR\_redcap-Core

### 6.8.2 CP corrections

Includes also stage-2 corrections if needed

[R2-2300157](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300157.zip) Correction on offset for cell specific RSRP thresholds for 1Rx Redcap UE OPPO CR Rel-17 38.331 17.3.0 3776 - F NR\_redcap-Core

[R2-2300183](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300183.zip) CG-SDT for RedCap UEs Samsung Electronics Co., Ltd discussion Rel-17 NR\_redcap-Core

[R2-2300190](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300190.zip) Discussion on SSB for SDT procedures in RedCap-specific initial BWP Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

[R2-2300191](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300191.zip) Correction to control plane procedures for RedCap UEs Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3780 - F NR\_redcap-Core

R2-2300192 Correction to A1 and A2 events for RedCap UEs Qualcomm Incorporated CR Rel-17 38.331 17.3.0 3781 - F NR\_redcap-Core Withdrawn

[R2-2300311](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300311.zip) Correction on 38.304 for RedCap vivo, Guangdong Genius CR Rel-17 38.304 17.3.0 0319 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core

[R2-2300312](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300312.zip) Correction on RACH configure for RedCap vivo, Qualcomm, ZTE Corporation, Guangdong Genius CR Rel-17 38.331 17.3.0 3800 - F NR\_redcap-Core

[R2-2300556](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300556.zip) SDT for REDCAP UEs on BWP without CD-SSB ZTE Corporation, Sanechips discussion

[R2-2300557](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300557.zip) Corrections for SDT operation for REDCAP without CD-SSB ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3817 - F NR\_redcap-Core

[R2-2301134](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301134.zip) Corrections for eDRX on IDLE eDRX cycle Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3869 - F NR\_redcap-Core

[R2-2301135](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301135.zip) Correction for hyperSFN on SI update Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3870 - F NR\_redcap-Core

[R2-2301136](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301136.zip) Correction on the RedCap UE capability of supportOfRedCap Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0861 - F NR\_redcap-Core

[R2-2301284](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301284.zip) CG-SDT on RedCap specific initial BWP Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2301316](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301316.zip) Correction on RRC configuration for RedCap ZTE Corporation, Sanechips CR Rel-17 38.331 17.3.0 3880 - F NR\_redcap-Core

[R2-2301330](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301330.zip) Correction on eDRX Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.3.0 0323 - F NR\_redcap-Core

[R2-2301513](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301513.zip) Clarification on BWP capabilities of RedCap UEs T-Mobile USA Inc. CR Rel-17 38.306 17.3.0 0868 - F NR\_redcap-Core

[R2-2301688](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301688.zip) Correction on the filed descriptions of NeedForGaps in 38.331 CATT, ZTE, vivo CR Rel-17 38.331 17.3.0 3917 - F NR\_redcap-Core

[R2-2301689](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301689.zip) Discussion on the CG-SDT configuration for RedCap UE CATT discussion Rel-17 NR\_redcap-Core

[R2-2301694](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301694.zip) Initial BWP for RedCap UEs configured with RA and CG-SDT Ericsson discussion Rel-17 NR\_redcap-Core

[R2-2301695](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301695.zip) Clarification on the validity of SS-RSRP measurement for RedCap UEs with CG-SDT Ericsson CR Rel-17 38.321 17.3.0 1562 - F NR\_redcap-Core

[R2-2301727](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301727.zip) SDT support in RedCap-specific initial BWP without CD-SSB LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

[R2-2301728](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301728.zip) Issues on dedicated configuration of RedCap-specific initial BWP LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

### 6.8.3 UP corrections

[R2-2300172](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300172.zip) Correction on eDRX OPPO CR Rel-17 38.304 17.3.0 0317 - F NR\_redcap-Core

[R2-2300313](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300313.zip) BWP switch for SDT with seperate initial BWP vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2301285](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301285.zip) Correction on CG-SDT handling with RedCap specific initial BWP Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.3.0 1542 - F NR\_redcap-Core

[R2-2301729](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301729.zip) Correction on determination of whether the RedCap is applicable for RA procedure LG Electronics. CR Rel-17 38.321 17.3.0 1564 - F NR\_redcap-Core

## 6.9 SON MDT

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

Tdoc Limitation: 2 tdocs

### 6.9.1 Stage-2

Stage-2 corrections and system level discussions.

[R2-2300023](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300023.zip) LS on M6 Delay Threshold (R3-224079; contact: CATT) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh To:SA5 Cc:RAN2

[R2-2300024](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300024.zip) Reply LS on the user consent for trace reporting (R3-225250; contact: Nokia) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:SA3 Cc:RAN2, SA5, SA1, RAN

[R2-2300025](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300025.zip) Reply LS on beam measurement reports (R3-225273; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh To:SA5 Cc:RAN2

[R2-2300035](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300035.zip) LS on Excess Packet Delay for MDT (R3-226873; contact: Huawei) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:SA5 Cc:RAN2

[R2-2300088](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300088.zip) LS on Reply LS on beam measurement reports (S5-223524; contact: Ericsson) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh To:RAN3, RAN2

[R2-2300089](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300089.zip) LS Reply on LS on M6 Delay Threshold (S5-227040; contact: Ericsson, Huawei) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3, RAN2

[R2-2300291](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300291.zip) Miscellaneous Corrections on TS 37.320 for MDT CATT CR Rel-17 37.320 17.2.0 0122 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.9.3 SON Corrections

[R2-2300292](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300292.zip) Correction on timeSinceCHO-Reconfig in TS 38.331 CATT CR Rel-17 38.331 17.3.0 3796 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301272](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301272.zip) User plane interruption time in SHR Ericsson discussion Rel-17 38.331 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301273](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301273.zip) On inability to comply with the RRC Reconfiguration when being configured with conditional reconfiguration Ericsson discussion Rel-17 38.331 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301568](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301568.zip) Correction on UE history information Huawei, HiSilicon CR Rel-17 38.300 17.3.0 0632 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301569](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301569.zip) Correction on UE capability of SON Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3908 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301580](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301580.zip) Further discussion on PSCell MHI storage and RLF report content determination Samsung Electronics Austria discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

### 6.9.4 MDT Corrections

[R2-2301556](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301556.zip) Correction on IDC issues in logged MDT Samsung CR Rel-17 38.331 17.3.0 3907 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301855](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301855.zip) Introduction of packet loss rate with delay threshold China Unicom, CMCC, CATT discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2301858](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301858.zip) 38.314 CR for the introduction of packet loss rate with delay threshold China Unicom, CMCC, CATT CR Rel-17 38.314 17.2.0 0026 - B NR\_ENDC\_SON\_MDT\_enh-Core

## 6.10 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.

### 6.10.1 Control plane corrections

Includes also stage-2 corrections if needed

[R2-2300138](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300138.zip) Discussion on left issues on Tx Profile OPPO, Ericsson, Huawei, HiSilicon, ZTE, Apple, CATT, vivo discussion Rel-17 NR\_SL\_enh-Core

[R2-2300387](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300387.zip) Correction on 38.331 Xiaomi CR Rel-17 38.331 17.3.0 3801 - F NR\_SL\_enh-Core

[R2-2300503](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300503.zip) discussion on IUC aspects in case of GC and BC Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2300504](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300504.zip) Correction to 38300 on IUC Ericsson CR Rel-17 38.300 17.3.0 0615 - F NR\_SL\_enh-Core

[R2-2300505](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300505.zip) Correction to 38331 on IUC Ericsson CR Rel-17 38.331 17.3.0 3809 - F NR\_SL\_enh-Core

[R2-2300894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300894.zip) Corrections on SL DRX and IUC CATT CR Rel-17 38.300 17.3.0 0623 - F NR\_SL\_enh-Core

[R2-2300911](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300911.zip) Correction on description of IUC cast type ZTE Corporation, Sanechips CR Rel-17 38.300 17.3.0 0624 - F NR\_SL\_enh-Core

[R2-2301352](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301352.zip) Correction to resource exclusion field description Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.3.0 NR\_SL\_enh-Core

[R2-2301376](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301376.zip) Correction on mode-1 trigger condition in SUI procedure vivo CR Rel-17 38.331 17.3.0 3884 - F NR\_SL\_enh-Core

[R2-2301458](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301458.zip) Summary on control plan CRs Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core Late

[R2-2301530](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301530.zip) Corrections on DRX timers for SL ASUSTeK CR Rel-17 38.331 17.3.0 3906 - F NR\_SL\_enh-Core

[R2-2301822](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301822.zip) Correction for NR sidelink communication Sharp CR Rel-17 38.300 17.3.0 0640 - F NR\_SL\_enh-Core

[R2-2301825](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301825.zip) Correction for Measurement Event Triggering Criteria Sharp Corporation CR Rel-17 38.331 17.3.0 3925 - F NR\_SL\_enh-Core

### 6.10.2 User plane corrections

[R2-2300012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300012.zip) LS on cast types for IUC scheme 1 (R1-2212822; contact: LGE) RAN1 LS in Rel-17 NR\_SL\_enh-Core To:RAN2

[R2-2300130](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300130.zip) Discussion on left issues on user plane procedure OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2300131](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300131.zip) Corrections on user plane for SL enhancement OPPO CR Rel-17 38.321 17.3.0 1511 - F NR\_SL\_enh-Core

[R2-2300487](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300487.zip) Corrections on TS 38.321 for SL enhancements Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1514 - F NR\_SL\_enh-Core

[R2-2300488](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300488.zip) GC and BC transmission for IUC information Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2300755](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300755.zip) Discussion on the MAC layer procedure for non-preferred resource set Apple, Ericsson, ZTE, Intel, Qualcomm, Huawei, HiSilicon, OPPO, InterDigital discussion Rel-17 NR\_SL\_enh-Core

[R2-2300756](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300756.zip) Correction on the handling of IUC with non-preferred resource set Apple, Ericsson, ZTE, Intel, Qualcomm, Huawei, HiSilicon, OPPO, InterDigital CR Rel-17 38.321 17.3.0 1523 - F NR\_SL\_enh-Core

[R2-2300757](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300757.zip) Discussion on IUC broadcast and groupcast Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2300838](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300838.zip) Discussion on the remaining issues for NR sidelink Xiaomi discussion

[R2-2300839](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300839.zip) Miscellaneous corrections on TS 38.321 for NR sidelink Xiaomi CR Rel-17 38.321 17.3.0 1529 - F NR\_SL\_enh-Core

[R2-2300895](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300895.zip) Correction on SL IUC Information and Request MAC CE CATT CR Rel-17 38.321 17.3.0 1532 - F NR\_SL\_enh-Core

[R2-2300896](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300896.zip) Discussion on the cast type of IUC scheme 1 CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2300912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300912.zip) Miscellaneous Correction on MAC for IUC ZTE Corporation, Sanechips CR Rel-17 38.321 17.3.0 1533 - F NR\_SL\_enh-Core

[R2-2300913](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300913.zip) Correction on restriction of using IUC information ZTE Corporation, Sanechips CR Rel-17 38.321 17.3.0 1534 - F NR\_SL\_enh-Core

[R2-2301353](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301353.zip) IUC open issues Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh-Core

[R2-2301375](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301375.zip) Clarification on IUC related transmission vivo CR Rel-17 38.321 17.3.0 1549 - F NR\_SL\_enh-Core

[R2-2301473](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301473.zip) BC/GC for IUC transmission Samsung Research America discussion Rel-17 NR\_SL\_enh-Core

[R2-2301531](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301531.zip) Correction on IUC request MAC CE ASUSTeK CR Rel-17 38.321 17.3.0 1558 - F NR\_SL\_enh-Core

[R2-2301620](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301620.zip) Correction on number of MAC CEs in a MAC PDU Sharp CR Rel-17 38.321 17.3.0 1559 - F NR\_SL\_enh-Core

[R2-2301724](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301724.zip) Discussion on L2 ID for GC/BC IUC LG Electronics France discussion Rel-17 38.321 NR\_SL\_enh-Core Late

[R2-2301745](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301745.zip) User plane corrections on NR Sidelink enhancements LG Electronics France CR Rel-17 38.321 17.3.0 1566 - F NR\_SL\_enh-Core Late

[R2-2301927](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301927.zip) Summary on user plan CRs LG Electronics discussion Rel-17 NR\_SL\_enh-Core

## 6.11 NR feMIMO

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

Tdoc Limitation: 2 tdocs

### 6.11.1 RRC centric Corrections

Including corrections to other CP TSes, and Stage-2 corrections, if any.

[R2-2300906](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300906.zip) Misc clarifications for feMIMO RRC Ericsson discussion Rel-17

- ZTE think the wording is ok. Wonder if we should update TCI state as well, presence of UL Power control, and pathlossreference with related FDs

- Intel are ok with the proposal think better check offline.

* Agreeable on a high level, check offline for further changes

CB Offline 018 (ericsson), Agreeable CR

[R2-2302289](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302289.zip)DRAFTLS on further questions on feMIMO RRC parameters Ericsson LS out

- Ericsson reports that this LS is about the FFS from last meeting.

- Nokia and QC are ok.

* LS is approved in R2-2302295 (urgent)

- Ericsson further reports that there is a description issue that should be fixed and has impact on both R17 R16.

* [Post121][046][feMIMO] (Ericsson)

Scope: Email discussion (short) for CR(s) for R1 reply LS if received and the description issue mentioned above

Intended outcome: Agreed CR(s) for plenary

Deadline: Short

[R2-2301675](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301675.zip) Corrections on feMIMO CATT CR Rel-17 38.331 17.3.0 3913 - F NR\_FeMIMO-Core

- Xiaomi indicate that for CSI RS overlap with Xiaomi CR.

- ZTE: The first two changes, think it allows additional PCI to be associated with CSI, not sure if allowed. Shall we ask R1? Xiaomi think this is already allowed acc to 331. Think we can check if needed. After short check ZTE think no need to check with R1.

- Ericsson think the 2nd change is good but the 1st change may need to be checked with R1, Huawei think that for the 2nd change there is another place where this need to be corrected.

- OPPO think that the 1st change is correct.

- ZTE think that 3rd and 4th change is not needed as they add something that is clear from ASN1 structure already

* 2nd change is agreed

[R2-2302284](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302284.zip) Corrections on feMIMO CATT CR Rel-17 38.331 17.3.0 3913 1 F NR\_FeMIMO-Core

1st change, CB later (allow to check)

- CATT think 1st change is valid.

- HW think the 4th change doesn’t help but think there is another issue. For the reference dl-OrJointTCI-StateToAddModList, should instead refer to dl-OrJointTCI-StateList. CATT should like to check this. HW indicate that in same FD the word “of” was deleted by mistake.

* With the revision acc to comment the CR is agreeable, revised in R2-2302297, which is agreed unseen.

[R2-2301361](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301361.zip) FeMIMO control plane issues in TS 38.331 and TS 38.306 Huawei, HiSilicon discussion Rel-17 NR\_FeMIMO-Core

- Ericsson think these were found by browsing R1 TSes, they have not told us. Question whether we change now.

- Intel agree w Huawei. ZTE as well, support both. Q: Want to do if both Cell and BWP are absent, maybe some additional condition is needed.

- OPPO think we need to ask RAN1 for P2.

* P1 is agreed

P2, CB later (allow to check)

[R2-2302201](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302201.zip) Correction on BWP for CSI-RS in TCI-State Huawei, HiSilicon CR Rel-17 38.331 17.3.0 3930 - F NR\_FeMIMO-Core

* Agreed

[R2-2302202](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302202.zip) Correction on codebook mode configuration for Rel-17 NCJT CSI measurement Huawei, HiSilicon CR Rel-17 38.306 17.3.0 0882 - F NR\_FeMIMO-Core

* Agreed

[R2-2301112](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301112.zip) Corrections on the unified TCI-state configuration for 38.331 Xiaomi CR Rel-17 38.331 17.3.0 3862 - F NR\_FeMIMO-Core

P1

- Ericsson think this has not been discussed.

- Samsung think this feature can be supported with unified TCI.

- Huawei agrees this has not been discussed.

- Xiaomi think this may come for free

- Chair: this is about allowing fast SCell activation with unified TCI state reference singal config.

- Chair: it seems no one has thought about this (except proponent)

P1, CB later (companies to check)

- HW think this was not discussed in R1, has not been able to check properly.

- Ericsson point out that this is only for first change, all others are covered by other CR.

* Postponed (only first change is considered).

### 6.11.2 MAC centric Corrections

[R2-2301023](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301023.zip) Misalignment on the identity of the BFD-RS set Fujitsu discussion Rel-17 NR\_FeMIMO-Core

[R2-2301024](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301024.zip) Correction to misalignment on the identity of the BFD-RS set Fujitsu CR Rel-17 38.321 17.3.0 1537 - F NR\_FeMIMO-Core

- ZTE think observations are correct, but think the CR is not enough. Think we need a better condition, e.f. can use candidate list. Vivo agrees.

- HW think we can just add some sentence, e.g. the UE is configurd with two BFD RS set if an only if candidatebeamRS-list2 is configured for DL active BWP.

- Nokia agrees, think a combination of HW condition and fujitsu CR should be ok.

- Intel think there are two cases, explicitly configured and implicit. Likely need to correct further for implicit case.

* A CR is agreeable, modification acc to comments (and potentially more) is needed

CB Offline 017 (Fujitsu), progress and if possible agreable CR

[R2-2302287](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302287.zip) Clarification on the Serving Cell configured with two BFD-RS sets CR Rel-17 38.321 17.3.0 1537 1 F NR\_FeMIMO-Core

* Contents is agreed, but should be revised to also include changes from R2-2301362 (not first change, but changes 2 3 4), revision is agreed unseen.

[R2-2302288](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302288.zip) Clarification on BFD-RS configuration Fujitsu Rel-17 38.331 17.3.0 3938 - F NR\_FeMIMO-Core

* agreed

[R2-2301286](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301286.zip) Correction on implicit BFD-RS change Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.11.0 1543 - F NR\_FeMIMO-Core

[R2-2301287](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301287.zip) Correction on implicit BFD-RS change Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.3.0 1544 - A NR\_FeMIMO-Core

- Xiaomi think we should only correct from Rel-17.

- Intel think indeed the implicit BFD RS change should be treated as explicit, and it is available since Rel-15.

- QC think from technical perspective change is correct, but think also that this should then be Rel-17. Samsung agree with QC.

- Huawei wonder if we could have magic sentence.

- ZTE think there is no network impact so cover sheet should be updated.

* R17 CR with magic sentence is agreeable, coversheet revision

CB, for final agreement.

[R2-2302183](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302183.zip) Correction on implicit BFD-RS change Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.3.0 1544 1 F NR\_FeMIMO-Core

* agreed

[R2-2301362](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301362.zip) Correction for BFR on SpCell configured with two BFD-RS sets Huawei, HiSilicon CR Rel-17 38.321 17.3.0 1547 - F NR\_FeMIMO-Core

- LG think 1st change is already covered. Think the cancelling is triggered by the transmission of BFR MAC CE. HW think that BFR may be triggered again.

- QC think 1st change is a corner case and need not be handled. The UE will anyway know, and can act accordingly.

* 2nd change can be agreed

CB, for final agreement

- HW report that 1st change is not agreeable (yet)

- Samsung proposes to add this into another MAC CR as it is editorial.

* Merge changes 2 3 4 with Fujitsu CR above, Change 1 is not agreed

## 6.12 RACH indication and partitioning

Expected to cover WIs SDT, CovEnh, RedCap, RAN slicing. RA specific aspects from the different WI should be covered in this AI given the RA experts are all there.

Tdoc Limitation: 1 tdocs

[R2-2300772](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300772.zip) MAC Corrections on RACH Partitioning vivo Mobile Com. (Chongqing) CR Rel-17 38.321 17.3.0 1524 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2301288](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301288.zip) Clarification on RA resource set applicability for NSAG Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.3.0 1545 - F NR\_slice-Core

# 7 Rel-17 EUTRA Work Items

## 7.1 Common

(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.

[R2-2300845](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300845.zip) CR to 36.331 on NPUSCH-ConfigDedicated-NB-v1700 Huawei, HiSilicon, ZTE Corporation, Sanechips CR Rel-17 36.331 17.3.0 4903 - F NB\_IOTenh4\_LTE\_eMTC6

[R2-2301310](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301310.zip) Small corrections on coverage-based paging ZTE Corporation, Sanechips CR Rel-17 36.304 17.3.0 0860 - F NB\_IOTenh4\_LTE\_eMTC6-Core

## 7.2 NB-IoT and eMTC support for NTN

Tdoc Limitation: 3 tdocs

### 7.2.1 General and Stage 2 corrections

LSs and Stage 2 corrections.

[R2-2300069](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300069.zip) Response to “Response to “Reply to LS on UE capability signaling for IoT-NTN”” (S2-2211431; contact: Vodafone) SA2 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN To:RAN2, CT1, RAN3

*(moved from 7.1)*

[R2-2300158](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300158.zip) Discussion on TDD support in R17 IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2300167](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300167.zip) IoT-NTN Stage-2 correction OPPO CR Rel-17 36.300 17.3.0 1377 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2300357](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300357.zip) Stage-2 correction on TDD support for IoT NTN OPPO CR Rel-17 36.300 17.3.0 1378 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2300495](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300495.zip) Further considerations on AS deactivation due to discontinuous coverage Telit Communications S.p.A. discussion

[R2-2301158](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301158.zip) CR to 36.300 on neighbour cell measurements Huawei, HiSilicon CR Rel-17 36.300 17.3.0 1380 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2301380](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301380.zip) Correction related to AS deactivation due to discontinuous coverage Deutsche Telekom, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, Thales, Vodafone, Telit, BT, Telstra, Telecom Italia, Turkcell CR Rel-17 36.300 17.3.0 1381 - F LTE\_NBIOT\_eMTC\_NTN Revised

[R2-2301393](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301393.zip) Considerations on AS deactivation due to discontinuous coverage Deutsche Telekom, Huawei, HiSilicon, Ericsson, Nokia, Nokia Shanghai Bell, Thales, Vodafone, Telit, BT, Telstra, Telecom Italia, Turkcell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2301863](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301863.zip) Correction related to AS deactivation due to discontinuous coverage Deutsche Telekom, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, Thales, Vodafone, Telit, BT, Telstra, Telecom Italia, Turkcell CR Rel-17 36.300 17.3.0 1381 1 F LTE\_NBIOT\_eMTC\_NTN [R2-2301380](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301380.zip)

### 7.2.2 UP corrections

[R2-2300258](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300258.zip) Misc corrections on MAC for IoT NTN MediaTek Inc. CR Rel-17 36.321 17.3.0 1559 - A LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2300358](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300358.zip) MAC correction on TDD support for IoT NTN OPPO CR Rel-17 36.321 17.3.0 1560 - F LTE\_NBIOT\_eMTC\_NTN

Moved from 7.2.1

[R2-2300886](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300886.zip) NB-IoT UE location Info in RLF report Qualcomm Incorporated discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2300887](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300887.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-17 36.331 17.3.0 4906 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2300888](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300888.zip) Correction on figure clarifying HARQ RTT timer Qualcomm Incorporated CR Rel-17 36.321 17.3.0 1561 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2301051](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301051.zip) Clarification on the generation of TA reporting for IoT NTN ZTE Corporation, Sanechips CR Rel-17 36.321 17.3.0 1562 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2301878](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301878.zip) Correction for IoT NTN Ericsson CR Rel-17 36.321 17.3.0 1563 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2301879](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301879.zip) R17 IoT NTN user plane corrections Ericsson discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

### 7.2.3 CP corrections

[R2-2300237](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300237.zip) Remaining issues on T317 Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2300238](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300238.zip) CR to 36.331 on UE capability update Huawei, HiSilicon CR Rel-17 36.331 17.3.0 4904 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2300259](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300259.zip) Miscellaneous corrections to TS 36.331 for IoT NTN MediaTek Inc. CR Rel-17 36.331 17.3.0 4900 - A LTE\_NBIOT\_eMTC\_NTN-Core

R2-2300260 Discussion on epoch time MediaTek Inc. CR Rel-17 36.331 17.3.0 4901 - A LTE\_NBIOT\_eMTC\_NTN-Core Withdrawn

R2-2300261 Correct the references for IoT NTN to 36.306 MediaTek Inc. CR Rel-17 36.331 17.3.0 4902 - A LTE\_NBIOT\_eMTC\_NTN-Core Withdrawn

[R2-2300367](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300367.zip) Discussion on the deactivation of AS functions due to DC Intel Corporation discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2300927](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300927.zip) Analysis on Reference time estimation issues of implicit Epoch time Nokia, Nokia Shanghai Bell discussion Rel-17

[R2-2300928](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300928.zip) RRC parameter alignment with RAN1 specification for pre-compensation gap configuration Nokia, Nokia Shanghai Bell discussion Rel-17

[R2-2301049](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301049.zip) Clarification on reference to TS 36.108 for IoT NTN ZTE Corporation, Sanechips CR Rel-17 36.331 17.3.0 4907 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2301050](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301050.zip) Correction on handling of T317 timer during HO ZTE Corporation, Sanechips CR Rel-17 36.331 17.3.0 4908 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2301388](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301388.zip) Correction related to AS deactivation due to discontinuous coverage Deutsche Telekom, Huawei, HiSilicon, Ericsson, Nokia, Nokia Shanghai Bell, Thales, Vodafone, Telit, BT, Telstra, Telecom Italia, Turkcell CR Rel-17 36.304 17.3.0 0862 - F LTE\_NBIOT\_eMTC\_NTN Revised

[R2-2301865](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301865.zip) Correction related to AS deactivation due to discontinuous coverage Deutsche Telekom, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, Thales, Vodafone, Telit, BT, Telstra, Telecom Italia, Turkcell CR Rel-17 36.304 17.3.0 0862 1 F LTE\_NBIOT\_eMTC\_NTN [R2-2301388](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301388.zip)

Moved from 7.2.1

[R2-2301389](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301389.zip) Miscellaneous correction for IoT-NTN Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.3.0 4913 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2301390](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301390.zip) Discussion on epoch time Mediatek Inc. discussion

[R2-2301391](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301391.zip) Reference Correction for IoT NTN in 36.306 Mediatek Inc. CR Rel-17 36.306 17.3.0 1867 - A LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2301490](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301490.zip) Discussion on deactivation of AS and out-of-coverage monitoring in discontinuous coverage Samsung Electronics Benelux BV discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2301491](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301491.zip) Deactivation of AS and out-of-coverage monitoring in discontinuous coverage Samsung Electronics Benelux BV CR Rel-17 36.304 17.3.0 0861 - C LTE\_NBIOT\_eMTC\_NTN

[R2-2301492](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301492.zip) UE supporting discontinuous coverage acquiring SIB32 in idle mode Samsung Electronics Benelux BV CR Rel-17 36.331 17.3.0 4918 - F LTE\_NBIOT\_eMTC\_NTN

# 8 Rel-18

## 8.1 NR network-controlled repeaters

(NR\_NetConRepeater; leading WG: RAN1; REL-18; WID: RP-223505)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.1.1 Organizational

Including LSs and any rapporteur inputs.

[R2-2300441](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300441.zip) draft 306 CR of Network controlled repeater UE capability Intel Corporation draftCR Rel-18 38.306 17.3.0 NR\_netcon\_repeater

[R2-2300442](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300442.zip) draft 331 CR of Network controlled repeater UE capability Intel Corporation draftCR Rel-18 38.331 17.3.0 NR\_netcon\_repeater

[R2-2301295](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301295.zip) MAC impact of RAN1 agreements Samsung R&D Institute UK discussion

[R2-2301317](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301317.zip) Running 38.331 CR for R18 Network-controlled repeaters ZTE Corporation draftCR Rel-18 38.331 17.3.0 B NR\_netcon\_repeater Late

[R2-2301345](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301345.zip) Running 38.304 CR for R18 Network-controlled repeaters CATT draftCR Rel-18 38.304 17.3.0 B NR\_netcon\_repeater

[R2-2301437](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301437.zip) 38.300 Running CR for NCR Ericsson draftCR Rel-18 38.300 17.3.0 B NR\_netcon\_repeater

[R2-2301520](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301520.zip) Introducing support for Network Controlled Repeaters to 38.321 Samsung R&D Institute UK CR Rel-18 38.321 17.3.0 1554 - B NR\_netcon\_repeater-Core

### 8.1.2 Signalling for side control information

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

[R2-2300303](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300303.zip) NCR side control signalling for access link beam management Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_netcon\_repeater

[R2-2300348](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300348.zip) Signalling design for the side control information Huawei, HiSilicon discussion Rel-18 NR\_netcon\_repeater

[R2-2300759](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300759.zip) Discussion on remaining issues on NCR Apple discussion Rel-18

[R2-2300638](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300638.zip) Configuration of Network-controlled Repeater Qualcomm Inc. discussion Rel-18 NR\_netcon\_repeater

[R2-2300899](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300899.zip) Discussion on Semi-static NCR-Fwd ON-OFF Configuration vivo discussion Rel-18

[R2-2301011](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301011.zip) Signalling for side control information NEC discussion Rel-18 NR\_netcon\_repeater

[R2-2301085](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301085.zip) Considerations on side control information Sony discussion Rel-18 NR\_netcon\_repeater

[R2-2301318](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301318.zip) Consideration on signalling for side control information ZTE Corporation, Sanechips discussion Rel-18 NR\_netcon\_repeater Late

[R2-2301426](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301426.zip) Signalling for NCR side control information MediaTek Inc. discussion Rel-18

[R2-2301590](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301590.zip) Remaining issues on NCR Kyocera discussion Rel-18

[R2-2301591](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301591.zip) Multi-beam and sub-band operation for NCR Kyocera discussion Rel-18

[R2-2301632](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301632.zip) SMTC configuration for NR network-controlled repeaters AT&T discussion

[R2-2301814](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301814.zip) Signalling for NCR side control information China Telecom discussion

### 8.1.3 Other RAN2 aspects

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

[R2-2300304](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300304.zip) NCR capabilities and RRC\_IDLE functionality Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_netcon\_repeater

[R2-2300349](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300349.zip) Discussion on the support of per-PLMN NCR and RRC states for NCR-MT Huawei, HiSilicon discussion Rel-18 NR\_netcon\_repeater

[R2-2300439](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300439.zip) Leftover issue of NCR functionality and capability Intel Corporation discussion Rel-18 NR\_netcon\_repeater

[R2-2300639](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300639.zip) Management of Network-controlled Repeater Qualcomm Inc. discussion Rel-18 NR\_netcon\_repeater

[R2-2300808](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300808.zip) Handling of NCR failure Samsung Electronics Romania discussion

[R2-2300846](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300846.zip) Discussion on state transition for NCR-MT Fujitsu discussion Rel-18 NR\_netcon\_repeater

[R2-2300900](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300900.zip) Discussion on the Remaining Issues of Side Control vivo discussion Rel-18

[R2-2300975](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300975.zip) Discussion on RRC states for NCR-MT Lenovo discussion Rel-18

[R2-2300986](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300986.zip) Discussion on remaining RAN2 aspects for NCR supporting NEC discussion Rel-18 NR\_netcon\_repeater

[R2-2301025](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301025.zip) Discussion on NCR-Fwd’s behaviours in NCR-MT RRC\_INACTIVE Fujitsu discussion Rel-18 NR\_netcon\_repeater

[R2-2301319](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301319.zip) Consideration on NCR open issues ZTE Corporation, Sanechips discussion Rel-18 NR\_netcon\_repeater

[R2-2301346](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301346.zip) Functions and signaling to support NCR CATT discussion Rel-18 NR\_netcon\_repeater

[R2-2301438](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301438.zip) Discussion on capabilities and remaining issues for NCR Ericsson discussion Rel-18 NR\_netcon\_repeater

[R2-2301439](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301439.zip) Support of IDLE with RRCRelease for NCR Ericsson discussion Rel-18 NR\_netcon\_repeater

[R2-2301496](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301496.zip) On NCR RRC states and procedures related to idle mode Samsung Electronics Benelux BV discussion Rel-18 NR\_netcon\_repeater

[R2-2301617](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301617.zip) Resolving open issues for NCR LG Electronics Inc. discussion

### 8.1.4 Repeater management

RAN2 aspects of repeater management (if any).

Note: this AI is assumed to be handled in RAN3, it will be treated with lower priority (may not be treated at all) in RAN2.

[R2-2300440](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300440.zip) Initial access signalling for NCR-MT Intel Corporation discussion Rel-18 NR\_netcon\_repeater

[R2-2300976](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300976.zip) Discussion on repeater management for NCR-MT Lenovo discussion Rel-18

## 8.2 Expanded and improved NR positioning

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

Time budget: 2 TU

Tdoc Limitation: 4 tdocs

### 8.2.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2300009](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300009.zip) Reply LS on Positioning Reference Units (R1-2212715; contact: CATT) RAN1 LS in Rel-18 FS\_eLCS\_Ph3 To:SA2 Cc:RAN2, RAN3

[R2-2300010](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300010.zip) Reply LS on LPHAP information delivery to RAN (R1-2212725; contact: Huawei) RAN1 LS in Rel-18 FS\_eLCS\_Ph3, FS\_NR\_pos\_enh2 To:SA2 Cc:RAN2, RAN3

[R2-2300011](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300011.zip) Reply LS on SRS in multiple cells (R1-2212728; contact: Huawei) RAN1 LS in Rel-18 FS\_NR\_pos\_enh2 To:RAN2 Cc:RAN3

[R2-2300015](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300015.zip) Reply LS on RAN dependency for Ranging/Sidelink Positioning (R1-2212926; contact: Xiaomi) RAN1 LS in Rel-18 FS\_Ranging\_SL To:SA2 Cc:RAN2, RAN3

[R2-2300037](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300037.zip) LS on Study on expanded and improved NR positioning (R3-226889; contact: Huawei) RAN3 LS in Rel-18 FS\_NR\_pos\_enh2 To: RAN, RAN1, RAN2, SA2

[R2-2300046](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300046.zip) LS on RRM agreements on expanded and improved NR positioning (R4-2220439; contact: Ericsson) RAN4 LS in Rel-18 FS\_NR\_pos\_enh2 To:RAN1, RAN2 Cc:RAN

[R2-2300076](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300076.zip) Reply LS on Reply LS on RAN dependency for Ranging/Sidelink Positioning (S2-2301464; contact: Xiaomi) SA2 LS in Rel-18 FS\_Ranging\_SL To:RAN2

[R2-2300079](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300079.zip) Reply LS on SL positioning groupcast and broadcast (S2-2301786; contact: Qualcomm) SA2 LS in Rel-18 FS\_Ranging\_SL To:RAN2 Cc:SA3

[R2-2300081](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300081.zip) LS on LPP message and supplementary service event report over a user plane connection between UE and LMF (S2-2301857; contact: Ericsson) SA2 LS in Rel-18 5G\_eLCS\_Ph3 To:SA3, RAN2, CT1, CT4

[R2-2300084](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300084.zip) Reply LS to LS on SL positioning groupcast and broadcast (S3-230430; contact: Apple) SA3 LS in Rel-18 FS\_NR\_pos\_enh2 To:RAN2, SA2

[R2-2300196](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300196.zip) Work Plan for Rel-18 WI on Expanded and Improved NR Positioning CATT, Intel, Ericsson Work Plan Rel-18 NR\_pos\_enh2

[R2-2300409](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300409.zip) Considerations on new SLPP specification Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2301047](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301047.zip) Draft Reply LS on RAN dependency for Ranging & Sidelink Positioning Xiaomi LS out Rel-18 NR\_pos\_enh2 To:RAN1, SA2

[R2-2301308](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301308.zip) User Plane solution and draft LS response to SA2 Ericsson discussion Rel-18

[R2-2301935](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301935.zip) LS on the requirement on low power or high accuracy positioning (S2-2303414; contact: Huawei) SA2 LS in Rel-18 5G\_eLCS\_Ph3 To:SA1, RAN1, RAN2

[R2-2301937](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301937.zip) LS on GNSS measurement of PRU for location correction (S2-2303743; contact: Inspur) SA2 LS in Rel-18 5G\_eLCS\_Ph3 To:RAN2

[R2-2301938](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301938.zip) LS on support of multiple Target UEs (S2-2303837; contact: Qualcomm) SA2 LS in Rel-18 Ranging\_SL To:RAN2 Cc:RAN1

[R2-2301939](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301939.zip) LS on PRU procedures (S2-2303861; contact: Qualcomm) SA2 LS in Rel-18 5G\_eLCS\_Ph3 To:RAN2, RAN1

### 8.2.2 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.

[R2-2300117](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300117.zip) Discussion on Sidelink Positioning Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2300197](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300197.zip) Discussion on sidelink positioning methods CATT discussion Rel-18 NR\_pos\_enh2

[R2-2300198](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300198.zip) Architecture and Signaling procedure on support of PC5-only and joint PC5-Uu scenarios CATT discussion Rel-18 NR\_pos\_enh2

[R2-2300254](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300254.zip) Considerations on SLPP broadcast / groupcast and related aspects Nokia Germany discussion Rel-18

[R2-2300410](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300410.zip) Support of sidelink positioning Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300455](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300455.zip) Further discussion on sidelink positioning OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2300529](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300529.zip) Sidelink Positioning Protocol (SLPP) Signaling and Procedures Qualcomm Incorporated discussion

[R2-2300585](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300585.zip) Considerations on anchor UE discovery, selection and utilization Nokia Netherlands discussion Rel-19

[R2-2300586](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300586.zip) Considerations on SL positioning sessions and related aspects Nokia Netherlands discussion Rel-18

[R2-2300593](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300593.zip) UE Positioning using Sidelink Fraunhofer IIS, Fraunhofer HHI discussion

[R2-2300642](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300642.zip) Discussion on transport layer of SLPP Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2300662](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300662.zip) Discussion on potential solutions for SL positioning Spreadtrum Communications discussion Rel-18

[R2-2300675](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300675.zip) Discussion on sidelink positioning vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2300712](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300712.zip) SL positioning groupcast and broadcast Apple discussion NR\_pos\_enh2

[R2-2300715](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300715.zip) [DRAFT] Reply LS on SL positioning groupcast and broadcast Apple LS out Rel-18 FS\_NR\_pos\_enh2 To:SA3 Cc:SA2

[R2-2300810](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300810.zip) Designing SLPP protocol in the session perspective Samsung Electronics Romania discussion

[R2-2300932](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300932.zip) Discussion on sidelink positioning ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2301048](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301048.zip) Discussion on SL positioning Xiaomi discussion Rel-18

=> Revised in [R2-2301911](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301911.zip)

[R2-2301911](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301911.zip) Discussion on SL positioning Xiaomi discussion Rel-18

[R2-2301067](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301067.zip) On SL Positioning Protocol and Architectural Aspects Lenovo discussion Rel-18

[R2-2301086](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301086.zip) Considerations on sidelink positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2 Withdrawn

[R2-2301262](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301262.zip) Considerations on Sidelink positioning CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2301305](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301305.zip) Sidelink positioning Ericsson discussion Rel-18

[R2-2301350](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301350.zip) Assistant UEs in Rel-18 MediaTek Inc. discussion Rel-18 NR\_pos\_enh2-Core

[R2-2301410](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301410.zip) Considerations on sidelink positioning Sony discussion Rel-18

[R2-2301545](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301545.zip) Considerations on Anchor UE selection in sidelink positioning LG Electronics Inc. discussion Rel-18

[R2-2301546](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301546.zip) Considerations on session-based SLPP operation LG Electronics Inc. discussion

[R2-2301792](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301792.zip) Discussion on Sidelink positioning InterDigital, Inc. discussion Rel-18

[R2-2301885](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301885.zip) View on SL ranging and positioning architecture and signalling procedures CEWiT discussion

[R2-2301889](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301889.zip) Procedures for Sidelink Positioning Philips International B.V. discussion Rel-18 Late

[R2-2301890](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301890.zip) Protocol considerations for Anchor UEs with(out) known location Philips International B.V. discussion Late

R2-2301921 [Pre121][406] Summary of AI 8.2.2 Sidelink Positioning (Intel) Intel Corporation report Rel-18 NR\_pos\_enh2

R2-2301924 Discussion on Anchor UE (Re)discovery (Re)Selection for sidelink positioning KT discussion Rel-18 FS\_Ranging\_SL

### 8.2.3 RAT-dependent integrity

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

[R2-2300116](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300116.zip) Discussion on RAT-dependent Integrity Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2300200](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300200.zip) Discussion on RAT-dependent integrity CATT discussion Rel-18 NR\_pos\_enh2

[R2-2300411](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300411.zip) Integrity for RAT dependent positioning methods Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300453](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300453.zip) Consideration on RAT-dependent positioning integrity OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2300530](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300530.zip) Integrity of NR Positioning Technologies Qualcomm Incorporated discussion

[R2-2300663](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300663.zip) Discussion on solutions for integrity of RAT-dependent positioning techniques Spreadtrum Communications discussion Rel-18

[R2-2300676](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300676.zip) Discussion on RAT-dependent integrity vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2300930](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300930.zip) Discussion on RAT-dependent methods positioning integrity ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300960](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300960.zip) Discussion on RAT-dependent integrity Lenovo discussion Rel-18

[R2-2301189](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301189.zip) Discussion on RAT-dependent positioning integrity Xiaomi discussion

[R2-2301238](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301238.zip) Discussion on the integrity issues CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2301307](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301307.zip) Signaling for LMF-based RAT-dependent positioning Integrity Ericsson discussion Rel-18

[R2-2301793](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301793.zip) Discussion on RAT-dependent integrity InterDigital, Inc. discussion Rel-18

### 8.2.4 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.

[R2-2300115](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300115.zip) Discussion on LPHAP Huawei, HiSilicon discussion Rel-18 NR\_pos\_enh2

[R2-2300199](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300199.zip) Discussion on LPHAP CATT discussion Rel-18 NR\_pos\_enh2

[R2-2300412](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300412.zip) Support of LPHAP Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300454](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300454.zip) Discussion on LPHAP OPPO discussion Rel-18 NR\_pos\_enh2

[R2-2300531](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300531.zip) Enhancements for LPHAP Qualcomm Incorporated discussion

[R2-2300594](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300594.zip) Enhancements for supporting LPHAP Fraunhofer IIS, Fraunhofer HHI discussion

[R2-2300664](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300664.zip) Discussion on LPHAP Spreadtrum Communications discussion Rel-18

[R2-2300677](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300677.zip) Discussion on LPHAP vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2300713](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300713.zip) Alignment between DRX and PRS Apple discussion NR\_pos\_enh2

[R2-2300714](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300714.zip) [DRAFT] LS on PRS and DRX alignment Apple LS out Rel-18 FS\_NR\_pos\_enh2 To:RAN3

[R2-2300929](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300929.zip) Discussion on LPHAP ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300961](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300961.zip) Discussion on low power high accuracy positioning Lenovo discussion Rel-18

[R2-2301087](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301087.zip) Considerations on Low Power High Accuracy Positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2 Withdrawn

[R2-2301190](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301190.zip) Discussion on LPHA positioning Xiaomi discussion

[R2-2301263](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301263.zip) Considerations on LPHAP CMCC discussion Rel-18 NR\_pos\_enh2

[R2-2301306](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301306.zip) Discussion on Low Power High Accuracy Positioning Ericsson discussion Rel-18

[R2-2301384](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301384.zip) Discussion on SRS configuration in RRC\_INACTIVE Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2301411](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301411.zip) Considerations on Low Power High Accuracy Positioning Sony discussion Rel-18

[R2-2301547](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301547.zip) Discussion on LPHAP LG Electronics Inc. discussion

[R2-2301752](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301752.zip) PRS and DRX configuration alignment Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_pos\_enh2-Core

[R2-2301794](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301794.zip) Discussion on LPHAP InterDigital, Inc. discussion Rel-18

[R2-2301891](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301891.zip) DL Positioning measurement report Telit Cinterion discussion Late

### 8.2.5 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.

[R2-2300300](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300300.zip) Discussion on RAN1 lead positioning topics Huawei, HiSilicon discussion

[R2-2300413](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300413.zip) Considerations on other RAN1 led items Intel Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300678](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300678.zip) Discussion on RedCap positioning vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2300931](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300931.zip) Discussion on BW aggregation and RedCap poositioning ZTE Corporation discussion Rel-18 NR\_pos\_enh2

[R2-2300962](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300962.zip) Discussion on RedCap, carrier phase Positioning and bandwidth aggregation Lenovo discussion Rel-18

[R2-2301309](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301309.zip) RedCap positioning, carrier phase positioning, and bandwidth aggregation for positioning Ericsson discussion Rel-18

[R2-2301385](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301385.zip) Discussion on bandwidth aggregation Samsung discussion Rel-18 NR\_pos\_enh2

[R2-2301796](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301796.zip) Discussion on positioning for RedCap positioning, carrier phase positioning, and bandwidth aggregation for positioning InterDigital, Inc. discussion Rel-18

## 8.3 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

### 8.3.1 Organizational

LS, workplan, email discussion etc

[R2-2300038](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300038.zip) LS on network energy saving techniques (R3-226898; contact: Huawei) RAN3 LS in Rel-18 FS\_Netw\_Energy\_NR To:RAN1 Cc:RAN2

[R2-2300279](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300279.zip) Work plan for NR network energy savings Huawei, HiSilicon Work Plan Rel-18 Netw\_Energy\_NR

### 8.3.2 DTX/DRX mechanism

[R2-2300230](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300230.zip) Discussion on cell DTX/DRX Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

[R2-2300247](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300247.zip) Cell DTX and DRX support NEC discussion Netw\_Energy\_NR-Core

[R2-2300378](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300378.zip) Considerations on Cell DTX/DRX KDDI Corporation discussion

[R2-2300444](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300444.zip) Initial discussion on DTX-DRX mechanism vivo discussion Rel-18

[R2-2300456](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300456.zip) Discussion on DTX DRX mechanism OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2300491](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300491.zip) Alignment to Cell DRX Lenovo discussion Netw\_Energy\_NR-Core

[R2-2300492](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300492.zip) Alignment to Cell DTX Lenovo discussion Netw\_Energy\_NR-Core

[R2-2300539](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300539.zip) Cell DTX-DRX Mechanism Qualcomm Incorporated discussion Rel-18

[R2-2300611](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300611.zip) Considerations of Cell DTX and DRX Intel Corporation discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300632](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300632.zip) Cell DTX/DRX mechanism InterDigital discussion Rel-18 Netw\_Energy\_NR

[R2-2300701](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300701.zip) Discussion on Cell DTX / DRX Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300819](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300819.zip) Discussion on Cell DTX/DRX CATT discussion Rel-18 Netw\_Energy\_NR

[R2-2301064](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301064.zip) Discussion on cell DTX and DRX mechanism for NES ZTE Corporation, Sanechips discussion Netw\_Energy\_NR-Core

[R2-2301230](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301230.zip) Discussion on network DTX/DRX CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301399](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301399.zip) Further aspects on cell DTX/DRX Ericsson discussion

[R2-2301515](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301515.zip) Further details on Cell DTX/DRX Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301550](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301550.zip) Discussion on DTX/DRX for NES Samsung discussion Rel-18

[R2-2301733](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301733.zip) Discussion on DTX/DRX mechanism LG Electronics Inc. discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301776](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301776.zip) Discussion for Cell DTX/DRX NTT DOCOMO, INC. discussion Rel-18

[R2-2301854](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301854.zip) Further discussion on Cell DTX/DRX MediaTek Inc. discussion Rel-18 Netw\_Energy\_NR

[R2-2301882](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301882.zip) Cell DTX and DRX Fraunhofer IIS discussion Rel-18

### 8.3.3 SSB-less Scell operation

Contributions on inter-band CA for FR1 and co-located cells

[R2-2300228](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300228.zip) Discussion on SSB-less SCell operation Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

[R2-2300255](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300255.zip) On remaining issues of SBB/SIB-less NES solutions Dell Technologies discussion Rel-18

[R2-2300445](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300445.zip) RAN2 impact from inter-band SSB-less Scell operation vivo discussion Rel-18

[R2-2300540](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300540.zip) SSB-less Scell Operation Qualcomm Incorporated discussion Rel-18

[R2-2300610](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300610.zip) SSB-less SCell operation for inter-band CA Intel Corporation discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300635](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300635.zip) SSB-less Scell operation InterDigital discussion Rel-18 Netw\_Energy\_NR

[R2-2300704](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300704.zip) Discussion on RAN2 work of inter-band SSB-less CA Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300820](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300820.zip) Enhancements on SCell activation procedures CATT discussion Rel-18 Netw\_Energy\_NR

[R2-2301068](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301068.zip) Discussion on SSB-less SCell operation for NES ZTE Corporation, Sanechips discussion Netw\_Energy\_NR-Core

[R2-2301231](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301231.zip) Discussion on SSB-less SCell operation CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301343](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301343.zip) SSB-less Scell operation Nokia, Nokia Shanghai Bell discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301400](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301400.zip) SSB-less SCell operation on inter-band CA for FR1 Ericsson discussion

[R2-2301521](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301521.zip) Enhancements on SSB-less activation NEC Telecom MODUS Ltd. discussion

[R2-2301551](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301551.zip) Discussion on SSB/SIB-less Solutions for NES Samsung discussion Rel-18

### 8.3.4 Cell selection/re-selection

Contributions mechanisms to prevent legacy UEs camping on cells adopting the Rel-18 NES mode

[R2-2300231](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300231.zip) Discussion on cell selection/reselection for NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

[R2-2300377](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300377.zip) Considerations on Cell selection/re-selection KDDI Corporation discussion

[R2-2300446](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300446.zip) Discussion on cell selection/re-selection vivo discussion Rel-18

[R2-2300457](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300457.zip) Discussion on cell selection reselection OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2300541](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300541.zip) NES Cell Selection Mechanism Qualcomm Incorporated discussion Rel-18

[R2-2300609](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300609.zip) Cell (re)selection for handling legacy UEs in NES Intel Corporation discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300633](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300633.zip) Cell selection and resection for NES InterDigital discussion Rel-18 Netw\_Energy\_NR

[R2-2300703](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300703.zip) Mechanism of legacy UE barring in NES cell Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300821](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300821.zip) Consideration on Cell selection/re-selection on NES cells CATT discussion Rel-18 Netw\_Energy\_NR

[R2-2300871](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300871.zip) Cell selection and reselection handling for legacy Ues Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2300977](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300977.zip) Cell selection/re-selection in NES Lenovo discussion Rel-18

[R2-2301063](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301063.zip) Preventing legacy UEs camping on NES cell ZTE Corporation, Sanechips discussion Netw\_Energy\_NR-Core

[R2-2301232](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301232.zip) Discussion on cell barring and reselection for NES CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301401](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301401.zip) NES Cell selection/reselection Ericsson discussion

[R2-2301463](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301463.zip) RRC Inactive/Idle UE handling for NES ETRI discussion

[R2-2301522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301522.zip) Procedure for legacy UEs camping on NES cells NEC Telecom MODUS Ltd. discussion

[R2-2301552](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301552.zip) Discussion on Cell Selection and Reselection for NES Samsung discussion Rel-18

[R2-2301616](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301616.zip) Access restriction enhancement for NES LG Electronics Inc. discussion

[R2-2301777](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301777.zip) Discussion for Cell selection NTT DOCOMO, INC. discussion Rel-18

[R2-2301857](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301857.zip) Legacy UEs and NES UEs accessing to NES cells BT plc, NTT DOCOMO, Turkcell discussion Rel-18

[R2-2301873](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301873.zip) Cell Selection and Re-Selection for NES Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

### 8.3.5 Connected mode mobility

Contributions on CHO procedure enhancement(s) in case source/target cell is in NES mode

[R2-2300229](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300229.zip) Discussion on CHO enhancement for NES Huawei, HiSilicon discussion Rel-18 Netw\_Energy\_NR

[R2-2300248](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300248.zip) CHO procedure enhancement to support NES mode NEC discussion Netw\_Energy\_NR-Core

[R2-2300447](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300447.zip) Conditional handover enhancement for network energy saving vivo discussion Rel-18

[R2-2300458](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300458.zip) Discussion on connected mode mobility OPPO discussion Rel-18 Netw\_Energy\_NR

[R2-2300542](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300542.zip) NES Connected mode mobility Qualcomm Incorporated discussion Rel-18

[R2-2300608](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300608.zip) CHO procedure enhancement for NES Intel Corporation discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300634](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300634.zip) NES mobility aspects InterDigital discussion Rel-18 Netw\_Energy\_NR

[R2-2300702](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300702.zip) Discussion on CHO enhancement in NES Apple discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2300822](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300822.zip) Consideration on CHO enhancement for NES CATT discussion Rel-18 Netw\_Energy\_NR

[R2-2300872](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300872.zip) CHO on NES Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2300893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300893.zip) CHO for NES Ericsson discussion Rel-18

[R2-2300940](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300940.zip) Discussion on CHO enhancements for NES Sharp discussion

[R2-2300978](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300978.zip) NES impact to UE mobility Lenovo discussion Rel-18

[R2-2301066](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301066.zip) Discussion on CHO enhancements for NES ZTE Corporation, Sanechips discussion Netw\_Energy\_NR-Core

[R2-2301088](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301088.zip) Handover enhancement for NES Sony discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2301233](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301233.zip) Discussion on CHO enhancements for NES CMCC discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301503](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301503.zip) Discussion on Connected mode mobility for network energy savings Fujitsu Limited discussion Rel-18 Netw\_Energy\_NR-Core

[R2-2301553](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301553.zip) Discussion on Connected mode mobility for NES Samsung discussion Rel-18

[R2-2301768](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301768.zip) Connected Mode Mobility LG Electronics discussion Rel-18

### 8.3.6 Others

This will be downprioritized

## 8.4 Further NR mobility enhancements

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

Time budget: 2 TU

Tdoc Limitation: 6 tdocs .

### 8.4.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan, running CRs update).

LS in

[R2-2300016](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300016.zip) LS on RAN1 agreements for L1/L2-based inter-cell mobility (R1-2212948; contact: Fujitsu, CATT) RAN1 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN2, RAN3, RAN4

* Noted

[R2-2300033](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300033.zip) Reply LS on L1 intra- and inter- frequency measurement and configurations for L1/L2-based inter-cell mobility (R3-226829; contact: ZTE, CATT, Fujitsu) RAN3 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN1, RAN2 Cc:RAN4

- MTK think that we at some point in time we may need to take action. Apple prefer that R1 takes action, R1 has all info they need to act.

* noted

[R2-2300056](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300056.zip) Reply LS on L1 intra- and inter- frequency measurement and configurations for L1/L2-based inter-cell mobility (R4-2220733; contact: CATT) RAN4 LS in Rel-18 NR\_Mob\_enh2-Core To:RAN1 Cc:RAN2

* noted

[R2-2301943](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301943.zip) Reply LS R2-2213337 LS on security for selective SCG activation (S3-231397; contact: Nokia)

CRs

[R2-2300375](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300375.zip) 38.300 running CR for introduction of NR further mobility enhancements MediaTek Inc. draftCR Rel-17 38.300 17.3.0 B NR\_Mob\_enh2-Core

- MTK reports that this is slightly modified (figures) for clarity.

* Noted
* [Post121][047][eMob] Running stage2 CR update (MTK)

Scope: capture agreements

Intended outcome: endorsed Draft CR

Deadline: Short

**General**

In addition to current Stage-2 CR

Expect RRC running CRs from next meeting

### 8.4.2 L1L2 Triggered Mobility

#### 8.4.2.1 General and Stage-2

Including elaboration on the components of the latency time line, if needed. Including further Specification of focus Scenarios, if needed. Including impacts to and expectations of other groups. Including security.

Early TA

[R2-2300408](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300408.zip) Discussion on the early TA acquisition Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300473.zip) On Early TA Acquisition in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301846.zip) Discussion on Early sync phase of LTM NTT DOCOMO INC. discussion Rel-18

[R2-2301859](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301859.zip) Discussion on RACH-less Handover for L1/L2 Triggered Mobility Rakuten Symphony discussion Rel-18

[R2-2300221](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300221.zip) Details of Early TA work Lenovo discussion NR\_Mob\_enh2-Core

[R2-2300767](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300767.zip) MAC TA RAN2 aspects for LTM Apple discussion Rel-18 NR\_Mob\_enh2-Core

L1 Measurements

[R2-2300576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300576.zip) LTM Measurement considerations Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300568.zip) Configuring measurements and reporting of LTM cell Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301260.zip) Considerations on measurement configuration CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301817](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301817.zip) Discussion on L1 measurement configuration for LTM NTT DOCOMO INC. discussion Rel-18

[R2-2300246](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300246.zip) L1 Measurement Report for Cell Switch NEC discussion NR\_Mob\_enh2-Core

[R2-2301593](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301593.zip) Discussion on measurement enhancement of L1L2 triggered mobility Transsion Holdings discussion Rel-18

Inter-DU

[R2-2300372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300372.zip) LTM Procedure and Support of Inter-DU LTM MediaTek Inc. discussion

[R2-2301150](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301150.zip) RACH-less cell switch in LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

General

[R2-2300092](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300092.zip) Discussion on Applicable Scenarios and Procedure CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300220.zip) LTM stage-2 design models Lenovo discussion NR\_Mob\_enh2-Core

[R2-2300314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300314.zip) Discussion on scenarios and aspects with other WGs vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300380.zip) Discussion on general pocedure for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300400.zip) Procedure descriptions of LTM Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301113.zip) Remaining stage-2 issues for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301196.zip) Discussion on procedures for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301258.zip) Considerations on general aspects of LTM CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301325](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301325.zip) Discussion on potential enhancement before LTM cell switch Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301358.zip) LTM procedure descriptions and stage 2 aspects Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301860](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301860.zip) Performance Enhancements for L1/L2 Triggered Mobility Rakuten Symphony discussion Rel-18

[R2-2301874](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301874.zip) Delayed Resource Reservation for inter gNB-DU L1/L2 Triggered Mobility Rakuten Symphony discussion Rel-18

[R2-2301888](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301888.zip) LTM Overall Procedure Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

Other

[R2-2301259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301259.zip) Considerations on failure handling CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301549.zip) Conditional handover in L2/L1 mobility Apple discussion Rel-18 NR\_Mob\_enh2-Core R2-2211708

Withdrawn

[R2-2300575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300575.zip) LTM Overall Procedure Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core Withdrawn

#### 8.4.2.2 RRC

Including aspects of how a candidate configuration is maintained, Delta Configuration, attempt to conclude RRC model (invite for stage-3 comparisons). Identify Open issues

WID: Configuration and maintenance for multiple candidate cells to allow fast application of configurations for candidate cells [RAN2, RAN3].

Candidate and Reference Configuration

[R2-2302175](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302175.zip) WF on Reference and Candidate Configurations for LTM MediaTek, Ericsson, Huawei, Nokia, Apple, ZTE

DISCUSSION

P2

- IDT wonder what happens in the reconfiguration procedure, is the intention to have full configuration.

- Huawei think the intention is to not use fullconfig flag and we don’t do any release – add, and it would require some modification to existing procedures. HW think some configs are replaced but not state is cleared. We don’t rely on absent fields bu don’t rely on fullconfig.

- QC wonder what is current config, is it cell level? What is the meaning of execution? And for the second option is this combination of three configurations.

- Ericsson think O1 is intended to build a full message for application later.

- Xiaomi think O2 brings more latency.

- Samsung think delta config is mandatory and fullconfig is not used. Samsung think that if some field is reconfigured fullconfig may be needed, is that intended. Chair think indeed that maybe sometimes state will need to be reset. Nokia think this is always a possibility.

- vivo think we should make TP for options one and two ..

- Nokia think indeed there is some time gain with O1.

- LG think a main difference O12 is that O2 current configuration is used. Think that also for O2 kit could be possible to prebuild the config, not sure what is the difference.

- FW think there is not that much difference O12.

- HW think we need the new procedure in both options. A replacement but keeping RLC and PDCP

- ZTE think we can first clarify whether ref config is a complete config or not. ZTE think the difference is mainly when the reference config is merged with candidate delta config, but this can be left for impl

P1/P3

- MTK think an option could be possible where a separate reference configuration is not needed. This will rely on network handling, which will need to ensure that it works e.g. by having all candidate configurations contain the same set of IEs, and then subsequent reconfiguration could work.

- Nokia think that we should not have two approaches. Wonder if the benefits of the dynamic switch can be realized in this.

- Lenovo think we can leave it to network and would be ok.

- intel think P3 is complex.

- Ericsson think P1 is needed, and think this is possible, and we can use the replace without reset reconfiguration ..

- Lenovo think we can use one specific UE configuration as reference.

- Samsung think without reference configuration there is no singalling enhancement at all ..

- LG think we need to continue along the line of separate reference config

* Agreed: Usage of reference configuration:

**- Candidate delta configuration is applied on top of the reference configuration to form a complete candidate configuration (FFS if done at cell switch or before the cell switch)**

**- The complete candidate configuration is applied and replacing the current UE configuration (at the time of reconfiguration execution/cell switch), by a RRC reconfiguration procedure that makes replacements of configuration but doesn’t necessarily reset RLC or PDCP.**

**- To support reconfigurations that requires reset of RLC PDCP, this should be possible (in principle same a full config)**

**- FFS if more than RLC PDCP should be kept and how much of “replacing” need to be specified.**

**- FFS if the reference configuration can be derived from the current UE configuration at some point of time.**

* Potentially: R2 assumes that LTM without a separate reference configuration (if agreed) could work something like this:

- **Alt A: The candidate configuration (which need to be complete) is applied and replacing the current UE configuration (at the time of reconfiguration execution/cell switch), by a RRC reconfiguration procedure that makes replacements of configuration but doesn’t necessarily reset RLC or PDCP. (Same procedure as above)**

**- Alt B: The candidate configuration (which can be a delta config) is applied to the current UE configuration (at the time of reconfiguration execution/cell switch), by legacy RRC reconfiguration procedure (it is assumed that the network need to coordinate if subsequent reconfigurations shall work, FFS feasibility).**

[R2-2300402](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300402.zip) Discussion on LTM RRC model Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

- MTK think the main point is that we don’t want to specify in detail which IEs are in which config etc. support this.

- QC support this. Nokia support, think the size can be ok if we use delta.

- Xiaomi think that for each configuration there are 50 additional bits difference between model 1 and 2. Samsung agrees there are benefits with model 2. Vivo agrees, think O2 is more flexible.

- HW support O1 to not have much flexibility. Apple agreed.

- ZTE think model 2 can be used as it is based on which IEs are needed.

- LG think signalling efficiency may be important.

- FW support model 1.

* agree to use Model 1: One *RRCReconfiguration* message for each candidate target configuration *RRCReconfiguration* to configure target candidate cells

CB Offline 021 (Ericsson) pave the way to make a RRC TP incl procedure, can have FFSes/editors notes. Can structure this into sub-TPs for different ideas/parts.

[R2-2302290](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302290.zip) CB Offline 21 (former 22) Progress TP RRC for LTM Ericsson

- Ericsson reports that this was focused on modelling in RRC rather than time procedural aspects

P2

- IDT think there are several proposals on the table, and think we should make it easy to add remove candidate configurations. Chair think it seems we can look more at this with explicit TPs.

- MTK think we can have cell sets ..

- Chair: lets do this as stage-3 ..

P3

- QC think that optional just means that the reference config is empty.

- LGE think that if that is the case (empty), then the reference config is there, and it would be good to assume only that ..

- Intel think it is always possible for the target to provide a complete configuration,

- Lenovo wonder if we are ruling out that reference config can be a currently configured cell.

- Vodafone think ref config is the main point why optional.

- Ericsson think there can be cases when the reference config is not used.

- Apple think that such case can be resolved in stage-3.

- Huawei think reference that is empty is ok.

- QC propose to agree that reference config can be empty.

* Reference config can be empty
* In the RRC procedures, the candidate delta configuration is applied on top of the reference configuration to form a complete candidate configuration when the UE receives the LTM configuration (before the LTM cell switch). UE implementation can postpone that step to the reception of the LTM cell switch command. FFS Discuss early vs late compliance check.
* In the RRC procedures, the complete candidate configuration is applied and replacing the current UE configuration (at the time of reconfiguration execution/cell switch), by a RRC reconfiguration procedure that makes replacements of configuration but doesn’t necessarily reset MAC, RLC or PDCP. FFS whether we can rely on a modified version of the reconfiguration procedure with fullconfig flag set. FFS how to make sure the procedures work in case the LTM candidate configuration is a complete configuration.

[R2-2300474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300474.zip) On RRC Configuration for LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301216](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301216.zip) Discussion on candidate cell configuration and maintenance ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300569](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300569.zip) RRC Aspects of LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301197](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301197.zip) Discussion on RRC aspects for LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301198](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301198.zip) TP for RRC models of LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

General

[R2-2300121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300121.zip) Further Analysis on IEs to Include in LTM Candidate Cell Configuration CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300122.zip) Discussion on RRC Remaining Issues for LTM CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300277.zip) RRC Aspects of L1L2-triggered Mobility MediaTek Inc. discussion Rel-18

[R2-2300315](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300315.zip) Configurations of Candidate Cell for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300350](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300350.zip) Configuration and upper layer handling for sequential LTM Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300383.zip) Discussion on configuration related issues for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300567](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300567.zip) Race conditions in LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300577.zip) LTM candidate configurations Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300766](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300766.zip) On Measurement and reference config for LTM Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300963.zip) Compliance check for LTM configuration Lenovo discussion Rel-18

[R2-2301026](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301026.zip) RRC aspects of L1/L2 triggered mobility Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301154.zip) RRC aspects in LTM NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301359](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301359.zip) RRC aspects for LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301394.zip) Discussion on RRC configurations of LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301562.zip) RRC issues on the LTM Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301615.zip) Candidate cell configuration structure for LTM LG Electronics Inc. discussion

[R2-2301818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301818.zip) RRC Configurations of LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

#### 8.4.2.3 Cell Switch

Including remaning issues and solutions focused on dynamic cell switch not addressed by the RRC subclause above. Settle expectations for what shall happen at the cell switch in the different scenarios and consolidate what information is required to be provided. Discussion can inculde actions and procedure that may be triggered simultaneously, e.g. by other MAC CEs.

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]

MAC Partial Reset

[R2-2300181](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300181.zip) MAC\_RLC Reset and BWP Handling for LTM Samsung Electronics Co., Ltd discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

P1

- LGE think P1 is controversial.

- vivo support original P1, think this always works. Other option may require RRC reconfig. ZTE agrees. ZTE think it is safe to have it in the MAC CE. Ericsson support Original P1, but think it could be made to work, e.g. as QC proposes configure cell pairs or cell goup and reset/non-reset.

- QC further think this is forward compatible to conditional LTM.

- HW agrees that this is not dynamic and can be preconfigured.

- Intel want a light weight MAC CE, i.e. RRC is better if possible. Think also it fits better with the architecture

- MTK think we may need to have multiple configurations for MAC RLC etc.

P11/P12

- Nokia think HARQ continuation is not needed, think gains are small, in particular for DL. For UL the network can send RLC SR immediately and then the UE can retransmit immediately.

- Huawei think that in the network HARQ continuation is not simple. Think that TB size optimization cannot be done.

- LGE think that HARQ configuration need to allow to be changed. Think the drawback of losing one PDU is not much.

- Ericsson think that a goal for LTM is continuity. Not ready to drop this for now, but has not evaluated the complexity.

- ZTE think that MAC CE may be cell specific and should not be sent in a new cell.

- Apple donät support HARQ continuity.

- MTK think the rate of handovers is very high and think HARQ flush contributes a lot to loss. Assume intra DU everything is co-located assume this is simple. Don’t understand why potential reconfig would be complex.

- QC think with RLC AM there is no data loss think gains a limited, not sure about nw complexity. LG agrees, think we don’t normally protect UM.

- vivo think the whole WI is optimization and we can get some gain by this. For FR2 HO will be very very frequent and the gain is significant.

- OPPO think UE vendor always want HARQ continuation. Think network can coordinate ..

- ZTE think network end will be complex.

P8

- Apple ZTE OPPO LG vivo support

- Nokia think it is good to always trigger BSR in the new Cell. Think that MAC can consider this new data, if harq buffers are flushed. LGE think there is data in RLC and think this will not trigger the new data i.e. long latency.

- MTK think that keeping BSR pending would trigger BSR earlier.

- Lenovo think we need to think more .. e.g. about reconfigurations that may change the operation of BSR ..

- KDDI think we may want some solution to minimize the delay.

- Nokia think we should not optimize too much.

- MTK think the legacy behaviour is that BSR is triggered by RRC message. Lenovo think we may not have a RRC message in this case.

*Chair: P8: On whether to reset or continue BSR: No Conclusion, postpone this discussion for a cpl of meetings.*

* No consensus to support HARQ continuation (and in order to resume discussion some new input may be needed, e.g. quantitative evidence of a serious problem).
* To determine if to reset L2 or not is based on RRC configuration (e.g. set of cells. FFS if separate for RLC, MAC, PDCP).

[R2-2301790](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301790.zip) Further Considerations on Intra-DU LTM and Partial MAC Reset ZTE Corporation,Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301153](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301153.zip) Discussion on partial MAC reset KDDI Corporation discussion

Content of LTM cell switch command

[R2-2300382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300382.zip) Open issues on dynamic switching for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300093.zip) Discussions on Cell Switch CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300278](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300278.zip) Triggering MAC CE for L1L2-triggered Mobility MediaTek Inc. discussion Rel-18

Procedure supervision

[R2-2300316](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300316.zip) Discussion on dynamic switch for LTM vivo discussion Rel-18 NR\_Mob\_enh2-Core

General

[R2-2300232](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300232.zip) Securing LTM Lenovo discussion NR\_Mob\_enh2-Core

[R2-2300351](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300351.zip) Discussion on issues with L1L2 dynamic mobility Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300373](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300373.zip) Partial MAC Reset during Intra-DU LTM MediaTek Inc. discussion

[R2-2300381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300381.zip) Discussion on partial MAC reset for LTM OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300403.zip) Discussion on LTM cell switch Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300570](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300570.zip) Dynamic switch in LTM Qualcomm Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300578](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300578.zip) LTM cell switch and triggering Interdigital, Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300653](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300653.zip) Discussion on cell switch for LTM Spreadtrum Communications discussion Rel-18

[R2-2300698](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300698.zip) LTM Failure Handling FGI discussion

[R2-2300768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300768.zip) LTM cell switch and link failure handling Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300804](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300804.zip) Discussion on L2 handling for LTM NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301027.zip) Cell switch for L1/L2 triggered mobility Fujitsu discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301114.zip) Handling of connection failure for LTM Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301115](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301115.zip) L2 handling at cell switch Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301151](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301151.zip) L2 behaviours and cell switch solutions in LTM Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301155](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301155.zip) Cell switch overview NEC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301199](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301199.zip) Partial and full MAC reset in LTM Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301217](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301217.zip) Remaining issues for LTM execution ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301261.zip) Considerations on cell switch CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301289.zip) On resetting the UP entities Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301412](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301412.zip) Considerations on Cell Switch Triggering in LTM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301500](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301500.zip) Discussion on LTM timer operation LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301501.zip) Remaining issues of LTM execution procedure LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301514.zip) Discussion on L2 reset for LTM LG Electronics Inc. discussion NR\_Mob\_enh2-Core

[R2-2301532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301532.zip) Discussion on L1L2-triggered mobility ASUSTeK discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301563.zip) Considerations on Cell Switch for LTM Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301595](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301595.zip) Discussion on detailed LTM cell switch procedure Transsion Holdings discussion Rel-18

R2-2301621 Discussion on measurement enhancement of L1L2 triggered mobility Transsion Holdings discussion Rel-18 Withdrawn

R2-2301622 Discussion on detailed LTM cell switch procedure Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301789](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301789.zip) Further Considerations on Cell Switch Command ZTE Corporation,Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301819](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301819.zip) Cell Switch for LTM Sharp discussion Rel-18 NR\_Mob\_enh2-Core

### 8.4.3 NR-DC with selective activation of cell groups

Scenario and principles

[R2-2301395](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301395.zip) Discussion on NR-DC with selective activation of the cell groups Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

P1

- Apple think MN and SN initiated may be complex.

- HW think the intra-SN case is very easy.

- HW think that MN initiation is for load balancing, think it is more natural to do SN initiated.

- OPPO think MN initiated could be prioritized. CATT agrees.

P2

- LG and Apple agrees to keep the current serving cell configuration.

- ZTE think that if stored then it becomes the new candidate config.

- HW think we just agreed that the UE keeps the config in order to go back if things go wrong, triggered by network config. Network will tell the UE when to release.

- MTK understand that the network can tell the UE to store current as a candidate configuration.

- IDT think it may be problematic

- Nokia think that coming back to serving cell is agreed whether it is a candidate or not can be discussed.

- Chair the understanding is that this becomes a proper complete candidate configuration once stored.

P9

- Xiaomi think this si internal signalling maybe R3. HW think this is ok if we remove latest.

-

* Assume to support the following scenarios of SCG selective activation:
  + - SN initiated intra-SN SCG selective activation
    - MN initiated inter-SN SCG selective activation
    - SN initiated inter-SN SCG selective activation
* It is assumed that if the UE need to be able to return to a current SCG by conditional procedure, then the network could explicitly configure a candidate configuration for that cell.
* In SCG selective activation, the CPC/CPA configurations of the UE should be released after Pcell change, at least for inter MN (by explicit indication from network, FFS other case).
* R2 assumes that a CPA conditional configuration can be used for CPC (but with different triggering conditions)
* For inter-SN CPC, MN should provide the reference configuration to all candidate T-SNs (in order to generate the T-SN candidate configuration).

[R2-2300094](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300094.zip) Discussion on Selective Activation of Cell Groups in NR-DC CATT discussion Rel-18 NR\_Mob\_enh2-Core

Procedures

[R2-2300281](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300281.zip) SCG Selective Activation in NR-DC Qualcomm Incorporated discussion Rel-18

* R2 understands that A target SN may include an indication in SN Addition Request Ack for each candidate target PSCell, denoting whether the associated SCG configuration is a delta with respect to the reference SCG configuration.

.. and lots of proposals on stage2ish level

Email discussion (QC) to next meeting, progress proposals on stage2ish detailed level for the signalling, expected outcome angreeable signalling charts with text, and/or parts text only, report to next meeting.

* [Post121][044][eMob] SCG Selective Activation in NR-DC Signalling interaction (QC)

Scope: Progress proposals on stage2ish detailed level for the signalling, expected outcome agreeable signalling charts with text, and/or parts text only.

Intended outcome: Report

Deadline: Long

General

[R2-2300317](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300317.zip) Discussion on NR-DC with selective activation cell of groups vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300352](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300352.zip) Discussion on selective activation of cell groups and sequential LTM Futurewei discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300384.zip) Discussion on selective activation of SCGs for NR-DC OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300404.zip) Discussion on selective activation of cell groups Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300465](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300465.zip) Further discussion on selective activation of cell groups Vodafone discussion Rel-18

[R2-2300649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300649.zip) Discussion on NR-DC with SCG selective activation Spreadtrum Communications discussion Rel-18

[R2-2300752](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300752.zip) Execution condition in selective SCG activation Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300817](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300817.zip) Discussion on selective SCG activation MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2212671

[R2-2300921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300921.zip) Discussion on NR-DC with selective activation of the cell groups. DENSO CORPORATION discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300924.zip) Further analysis on configuration and signalling aspects for SAPC Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2300949](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300949.zip) On SCG selective activation Lenovo discussion Rel-18

[R2-2301007](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301007.zip) Discussion on NR-DC with selective activation cell of groups KDDI Corporation discussion

[R2-2301060](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301060.zip) Subsequent change of SCGs and selective activation InterDigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301156.zip) Discussions on selective SCG activation NEC discussion Rel-18 NR\_Mob\_enh2-Core R2-2212540

[R2-2301218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301218.zip) Discussion on selective activation of the cell groups ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301255](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301255.zip) Discussion on NR-DC with selective activation of cell groups CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301340.zip) NR-DC with selective activation Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301360](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301360.zip) NR-DC selective activation of SCG Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301564](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301564.zip) Considerations on Subsequent CPAC after SCG Change Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301597](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301597.zip) Discussion on Selective Activation of Cell Groups in NR-DC Transsion Holdings discussion Rel-18

[R2-2301740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301740.zip) Selective Cell Group Activation LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301820](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301820.zip) Discussion of selective activation Sharp discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301842](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301842.zip) Discussion on scenarios for selective activation of the cell groups China Telecom discussion Rel-18 NR\_Mob\_enh2-Core

R2-2301623 Discussion on Selective Activation of Cell Groups in NR-DC Transsion Holdings discussion Rel-18 Withdrawn

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

[R2-2300475](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300475.zip) On Conditional Handover with Candidate SCGs for CPAC Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, InterDigital Inc., CATT discussion Rel-18 NR\_Mob\_enh2-Core

DISCUSSION

- OPPO think it will increase the measurement. Nokia think we today support 8 parallel cond configuration and we can keep this limit. LG agrees to this.

- LGE think that R2 can keep the current ASN.1 structure and make a simple solution.

- vivo support this, but think we don’t need to force all UE, can discuss. Evaluation can be based on existing measurement requirements.

- QC think we need to agree how many cells, but there is a limit, and QC support.

- Ericsson support.

- Apple support this, but we should change the ASN1 for measurement configuration to avoid that UE need to go into nested structures.

- fw support and agree with QC.

- MTK think triggering condition will be changed acc to the paper. Nokia think we can work on this.

- Intel wonder if CHO will be delayed by CPC. OPPO are also concerned about this.

- Chair: a number of companies has concerns to delay CHO, think agreement can be made anyway.

- ZTE can compromise but has opinions on the details ..

* RAN2 agrees to support the simultaneous evaluation of CHO and CPC in Rel-18

[R2-2300401](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300401.zip) Discussion on CHO including candidate SCGs Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

- Apple think the UE should not need to unpack container in order to measure.

* The UE should not need to unpack any of the nested conditionalconfiguration containers in order to measure, acc to agreement above

[R2-2300095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300095.zip) Discussion on CHO including target MCG and candidate SCGs CATT discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300282.zip) CHO with multiple candidate SCGs Qualcomm Incorporated discussion Rel-18

[R2-2300318](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300318.zip) Discussion on evaluation and execution of CHO with CPAC vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300319](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300319.zip) Discussion on CHO with CPAC signaling procedure vivo discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300379](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300379.zip) Discussion on CHO with CPAC KDDI Corporation discussion

[R2-2300385](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300385.zip) Discussions on CHO including target MCG and candidate SCGs OPPO discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300401.zip) Discussion on CHO including candidate SCGs Intel Corporation discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300650](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300650.zip) Discussion on CHO with CPAC in NR-DC Spreadtrum Communications discussion Rel-18

[R2-2300740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300740.zip) CHO with Candidate SCGs Apple discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2300818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300818.zip) Discussion on CHO with candidate SCG MediaTek Inc. discussion NR\_Mob\_enh2-Core R2-2212664

[R2-2300964](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300964.zip) Consideration on CHO with candidate SCG for CPAC Lenovo discussion Rel-18

[R2-2301062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301062.zip) CHO with associated SCG InterDigital Inc. discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301152](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301152.zip) CHO including target MCG and candidate SCGs for CPC/CPA Huawei, HiSilicon discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301219](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301219.zip) Discussion on CHO with candidate SCGs ZTE Corporation, Sanechips discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301234](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301234.zip) Discussion CHO including target MCG and candidate SCGs for CPAC CMCC discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301328.zip) Considerations on CHO with CPA/CPC Samsung discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301341](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301341.zip) CHO with associated CPC or CPA Ericsson discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301396.zip) Discussion on CHO with CPAC Xiaomi discussion Rel-18 NR\_Mob\_enh2-Core

[R2-2301741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301741.zip) Simultaneous Evaluation for CHO with CPAC LG Electronics discussion Rel-18 NR\_Mob\_enh2-Core

## 8.5 XR Enhancements for NR

XR SI: (FS\_NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-220285)

XR WI: (NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-223502)

Time budget: 2 TU

Tdoc Limitation: 6 Tdocs (jointly for SI and WI)

Note that XR SI and XR WI has no overlapping scope and tdocs addressing SI completion will get priority. Tdocs that address both SI and WI are not allowed.

### 8.5.1 Organizational (SI and WI)

XR WI: (NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-223502)

XR SI: (FS\_NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-220285)

Including LSs and any rapporteur inputs (e.g. work plan, draft TR, SI conclusions from SA2/SA4)

[R2-2300019](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300019.zip) Reply LS on XR and Media Services (R1-2212994; contact: vivo) RAN1 LS in Rel-18 FS\_XRM, FS\_NR\_XR\_enh To:SA2 Cc:RAN2, SA4

[R2-2300022](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300022.zip) LS to capture Text Proposal for TR 38.835 (R1-2213016; contact: Nokia) RAN1 LS in Rel-18 FS\_NR\_XR\_enh To:RAN2

[R2-2300036](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300036.zip) Reply LS on XR and Media Services (R3-226885; contact: Ericsson) RAN3 LS in Rel-18 FS\_XRM, FS\_NR\_XR\_enh To: SA2, RAN1, RAN2 Cc:RAN

[R2-2300071](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300071.zip) Reply LS on PDU Set Handling (S2-2301378; contact: Tencent) SA2 LS in Rel-18 XRM To:RAN2 Cc:SA4, RAN3

[R2-2300072](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300072.zip) LS reply on reply LS on XR and Media Services (S2-2301384; contact: vivo) SA2 LS in Rel-18 FS\_XRM, XRM, FS\_NR\_XR\_enh To:RAN1, RAN2 Cc:RAN3, SA4

[R2-2300086](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300086.zip) Reply LS on Pose Information for XR (S4-221626; contact: Qualcomm) SA4 LS in Rel-18 MeCAR, FS\_NR\_XR\_enh To:RAN2 SA2, RAN1

[R2-2300087](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300087.zip) Reply LS on PDU Set Handling (S4aR230035; contact: Ericsson) SA4 LS in Rel-18 5G\_RTP To:RAN2 SA2

[R2-2300149](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300149.zip) Work Plan for Rel-18 SI and WI on XR Enhancements for NR Nokia, Qualcomm (Rapporteurs), Ericsson (RAN1 FL) Work Plan Rel-18 FS\_NR\_XR\_enh, NR\_XR\_enh

[R2-2300150](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300150.zip) SA2 Status for XR Nokia, Qualcomm (Rapporteurs) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300151](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300151.zip) SA4 Status for XR Nokia, Qualcomm (Rapporteurs) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300152](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300152.zip) Update of TR 38.835 Nokia (Rapporteur) draft TR Rel-18 38.835 1.0.1 FS\_NR\_XR\_enh

[R2-2301941](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301941.zip) LS on the Design of RTP Header Extension for PDU set handling (S4-230419; contact: Intel) SA4 LS in Rel-18 5G\_RTP To:SA2 Cc:RAN2

### 8.5.2 SI on XR awareness

XR SI: (FS\_NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-220285)

No documents should be submitted to 8.5.2. Please submit to 8.5.2.x

#### 8.5.2.1 PDU set and data burst information

XR SI: (FS\_NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-220285)

Including discussion on whether jitter is applicable to XR traffic in UL

Including discussion on how to use the PDU set information in RAN.

[R2-2300153](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300153.zip) PDU Set and Data Burst Information Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300185.zip) Discussion on PDU Sets and data bursts Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300222](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300222.zip) PDU set and data burst information CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300320](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300320.zip) Discussion on PDU set and data burst information vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300428](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300428.zip) RAN2 implications on PDU Set and Data Burst based on SA2 inputs Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300459](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300459.zip) Discussion on PDU Set OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300564](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300564.zip) PDU set and data burst information ZTE Corporation, Sanechips discussion

[R2-2300587](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300587.zip) Discussion on PDU Set and Data Burst Information Google Inc. discussion

[R2-2300596](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300596.zip) Discussion on PDU set and data burst information Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300656](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300656.zip) Discussion on PDU set and data burst information Spreadtrum Communications discussion Rel-18

[R2-2300691](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300691.zip) PDU set and data burst information InterDigital discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300723](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300723.zip) PDU Set Information and Uplink Jitter Apple discussion FS\_NR\_XR\_enh

[R2-2300944](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300944.zip) Discussion on PDU sets awareness in RAN Lenovo discussion Rel-18

[R2-2301009](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301009.zip) PDU set and data burst information NEC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301168](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301168.zip) Discussion on PDU set information Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301369](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301369.zip) PDU set characteristics and their usage in RAN MediaTek Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301510](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301510.zip) Discussion on PDU Sets and Data Burst Ericsson discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301533](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301533.zip) Discussion on PDU set information and remaining time for PSDB ASUSTeK discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301646](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301646.zip) Discussion on PDU set handling and data burst information LG Electronics Inc. discussion FS\_NR\_XR\_enh

[R2-2301797](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301797.zip) Discussion on PDU set and data burst information III discussion FS\_NR\_XR\_enh

[R2-2301849](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301849.zip) Discussions on PDU Set information TCL Communication discussion Rel-18

[R2-2301861](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301861.zip) Discussion on PDU sets and data bursts Futurewei discussion Rel-18 FS\_NR\_XR\_enh

#### 8.5.2.2 PDU prioritization

Including discussion on whether there is need for treating the PDU Sets of the same QoS flow differently over the air interface

Including discussion on whether RAN2 impacts are needed for PDU prioritization.

[R2-2300154](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300154.zip) PDU Set prioritization Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300223](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300223.zip) Discussion on the PDU Prioritization CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300321](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300321.zip) Discussion on PDU prioritization for XR awareness vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300341](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300341.zip) Discussion on PDU prioritization Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300427](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300427.zip) Discussion on traffic prioritization of XR traffic Xiaomi Communications discussion

[R2-2300429](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300429.zip) Differentiated handling of PDU sets with different importance in a QoS flow Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300460](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300460.zip) Discussion on PDU prioritization OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300502](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300502.zip) Discussion on PDU prioritization Lenovo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300563](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300563.zip) PDU prioritization for XR ZTE Corporation, Sanechips discussion

[R2-2300588](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300588.zip) Discussion on PDU prioritization Google Inc. discussion

[R2-2300597](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300597.zip) Discussion on PDU prioritization at RAN Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300640](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300640.zip) Discussion on PDU Prioritization Meta USA discussion Rel-18

[R2-2300657](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300657.zip) Discussion on PDU prioritization Spreadtrum Communications discussion Rel-18

[R2-2300685](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300685.zip) Discussion on PDU prioritization for XR Google Inc. discussion Rel-18 FS\_NR\_XR\_enh

=> Withdrawn

[R2-2300692](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300692.zip) PDU prioritization InterDigital discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300724](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300724.zip) Views on XR-awareness and PDU Prioritization Apple discussion FS\_NR\_XR\_enh

[R2-2300842](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300842.zip) Discussion on LCP enhancement for XR NEC Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300939](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300939.zip) Discussion on the PDU prioritization for XR ITRI discussion FS\_NR\_XR\_enh

[R2-2301089](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301089.zip) Considerations on XR PDU prioritization Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301267](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301267.zip) RAN2 Impact Analysis on PDU Prioritization CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301370](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301370.zip) On the need for modifications to LCP MediaTek Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301511](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301511.zip) Discussion on PDU Prioritization Ericsson discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301648](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301648.zip) Discussion on the prioritization for XR LG Electronics Inc. discussion FS\_NR\_XR\_enh

[R2-2301751](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301751.zip) Discussion on handling of PDU set prioritization. Samsung Electronics Czech discussion Rel-18

[R2-2301774](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301774.zip) Discussion on PDU prioritization NTT DOCOMO, INC. discussion Rel-18

[R2-2301798](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301798.zip) Discussion on PDU prioritization III discussion FS\_NR\_XR\_enh

#### 8.5.2.3 PDU discard

Including discussion on impact of PDU set integrated information (PSII) for PDU discard

Including discussion on whether RAN2 impacts are needed for PDU discard.

[R2-2300155](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300155.zip) PDU Set Discard Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300186.zip) Discussion on PDU discard Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300224](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300224.zip) On PDU Discarding CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300322](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300322.zip) Discussion on PDU discard for XR awareness vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300340](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300340.zip) Discussion on PDU discard Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300426](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300426.zip) Discussing on PDU discarding of XR traffic Xiaomi Communications discussion

[R2-2300430](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300430.zip) Criteria and Mechanism of PDU Discard for XR traffic Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300461](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300461.zip) Discussion on PDU discard OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300518](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300518.zip) PDU Set and PDCP Discard Handling Samsung R&D Institute India discussion Rel-18

[R2-2300562](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300562.zip) PDU discard for XR ZTE Corporation, Sanechips discussion

[R2-2300589](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300589.zip) Discussion on PDU Discard Google Inc. discussion

[R2-2300598](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300598.zip) Discussion on PDU set discarding for XR traffic Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300658](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300658.zip) Discussion on PDU discard Spreadtrum Communications discussion Rel-18

[R2-2300693](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300693.zip) PDU discard InterDigital discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300725](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300725.zip) Views on Packet Discarding and Reordering Apple discussion FS\_NR\_XR\_enh

[R2-2300908](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300908.zip) Discussion on PDU discarding Lenovo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301010](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301010.zip) PDU discard NEC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301028](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301028.zip) Discussions on PDU discard Fujitsu discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301090](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301090.zip) Considerations on XR UL PDU discard Sony discussion Rel-18 FS\_NR\_XR\_enh Withdrawn

[R2-2301266](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301266.zip) Further Considerations on PDU Discard CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301371](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301371.zip) PDU discard based on PSDB and PDU set importance MediaTek Inc. discussion Rel-18 FS\_NR\_XR\_enh [R2-2211859](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2211859.zip)

[R2-2301413](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301413.zip) Considerations on XR UL PDU discard Sony discussion Rel-18

[R2-2301416](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301416.zip) Discussion on PDU Discard Meta USA discussion Rel-18

[R2-2301509](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301509.zip) Discussion on PDU Discard Ericsson discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301534](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301534.zip) Discussion on PDU set discard operation ASUSTeK discussion Rel-18 NR\_XR\_enh

[R2-2301647](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301647.zip) Discussion on the discard for XR LG Electronics Inc. discussion FS\_NR\_XR\_enh

[R2-2301767](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301767.zip) Discussion on PDU discard NTT DOCOMO, INC. discussion Rel-18

#### 8.5.2.4 Protocol stack impacts

Including discussions on how DRB(s) is/are mapped to LCH(s) for each of the DRB mapping alternatives

Including discussion on whether in-sequency delivery to higher layers is needed for PDU sets

[R2-2300156](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300156.zip) PDU set protocol stack impacts Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300187](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300187.zip) Discussion on impacts of PDU Sets on protocol stacks Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300225](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300225.zip) Protocol stack impacts from serving an XR QoS flow CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300323](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300323.zip) Discussion on protocol stack impacts and in-sequence delivery vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300425](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300425.zip) Discussion on the impact of DRB mapping alternatives Xiaomi Communications discussion

[R2-2300431](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300431.zip) DRB mapping to the RLC bearers for XR traffic Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300462](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300462.zip) Discussion on protocol stack impacts OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300500](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300500.zip) Discussion on Protocol Stack impacts Lenovo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300561](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300561.zip) Protocol stack impacts for XR ZTE Corporation, Sanechips discussion

[R2-2300590](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300590.zip) Discussion on protocol Stack impact Google Inc. discussion

[R2-2300599](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300599.zip) Discussion on L2 protocol stack for differentiated PDU set handling at RAN Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300659](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300659.zip) Discussion on protocol stack impacts Spreadtrum Communications discussion Rel-18

[R2-2300694](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300694.zip) Protocol stack impacts InterDigital discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300726](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300726.zip) Views on QoS Mapping and PS Impacts Apple discussion FS\_NR\_XR\_enh

[R2-2300987](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300987.zip) Discussion on mapping the PDU set into DRB/LCH NEC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301029](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301029.zip) Discussions on protocol stack impacts of XR Fujitsu discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301268](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301268.zip) L2 Protocol Stack for PDU Set CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301386](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301386.zip) Discussion on protocol stack impact Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301435](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301435.zip) Discussion on protocol stack impacts Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301506](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301506.zip) Discussion on Protocol stack impacts Ericsson discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301734](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301734.zip) Discussion on XR impacts on protocol stack LG Electronics Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301850](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301850.zip) Discussions on Protocol stack impacts from PUD Set TCL Communication discussion Rel-18

### 8.5.3 XR-specific power saving

XR WI: (NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-223502)

This agenda item may be deprioritized in this meeting

[R2-2300118](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300118.zip) Discussion on XR power saving Huawei, HiSilicon discussion Rel-18 NR\_XR\_enh

[R2-2300188](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300188.zip) DRX enhancements for XR Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh

[R2-2300226](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300226.zip) DRX enhancements for XR Power Saving CATT discussion Rel-18 NR\_XR\_enh

[R2-2300324](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300324.zip) Discussion on DRX Enhancements for XR Power Saving vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300423](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300423.zip) Discussing on XR-specific C-DRX enhancement Xiaomi Communications discussion

[R2-2300432](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300432.zip) C-DRX enhancements for XR traffic Intel Corporation discussion Rel-18 NR\_XR\_enh

[R2-2300565](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300565.zip) XR-Specific power saving ZTE Corporation, Sanechips discussion

[R2-2300591](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300591.zip) XR-specific power saving enhancement Google Inc. discussion

[R2-2300695](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300695.zip) XR-specific power saving InterDigital discussion Rel-18 NR\_XR\_enh

[R2-2300699](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300699.zip) Discussion on XR data periodicity mismatch FGI discussion

[R2-2300774](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300774.zip) DRX enhancement for power saving in XR LG Electronics Inc. discussion Rel-18 NR\_XR\_enh

[R2-2300843](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300843.zip) Discussion on C-DRX enhancement for XR NEC Corporation discussion Rel-18 NR\_XR\_enh

[R2-2300909](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300909.zip) C-DRX enhancements for XR-specific power saving DENSO CORPORATION discussion Rel-18 NR\_XR\_enh [R2-2212770](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212770.zip)

[R2-2300945](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300945.zip) Discussion of DRX enhancement Lenovo discussion Rel-18

[R2-2301091](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301091.zip) Proposals on XR specific C-DRX power saving enhancements Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301237](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301237.zip) Discussion on DRX enhancements CMCC discussion Rel-18 NR\_XR\_enh

[R2-2301323](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301323.zip) Discussion on power saving scheme for XR Samsung discussion Rel-18 NR\_XR\_enh

[R2-2301372](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301372.zip) C-DRX enhancements for XR MediaTek Inc. discussion Rel-18 NR\_XR\_enh

[R2-2301508](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301508.zip) Discussion on XR-specific power saving Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2301516](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301516.zip) Power saving enhancements for XR Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh

[R2-2301834](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301834.zip) Discussion on various frame rates supported for XR-specific power saving III discussion

### 8.5.4 XR-specific capacity improvements

XR WI: (NR\_XR\_enh; leading WG: RAN2; REL-18; WID: RP-223502)

This agenda item may be deprioritized in this meeting

[R2-2300189](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300189.zip) Enhancements for capacity improvements Qualcomm Incorporated discussion Rel-18 NR\_XR\_enh

[R2-2300227](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300227.zip) The Issues of XR-specific Capacity Improvements CATT discussion Rel-18 NR\_XR\_enh

[R2-2300256](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300256.zip) Dynamic BSR formulation and reporting for XR Dell Technologies discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300325](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300325.zip) Discussion on Feedback Enhancements for XR vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2300397](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300397.zip) Discussion on BSR enhancement for XR capacity improvements TCL Communication Ltd. discussion

[R2-2300422](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300422.zip) Discussing on UE feedback enhancements for XR capacity Xiaomi Communications discussion

[R2-2300433](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300433.zip) Enhancements to Buffer Status Reporting for XR Traffic Intel Corporation discussion Rel-18 NR\_XR\_enh

[R2-2300463](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300463.zip) Discussion on capacity improvement OPPO discussion Rel-18 NR\_XR\_enh

[R2-2300560](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300560.zip) BSR enhancements for XR ZTE Corporation, Sanechips discussion

[R2-2300592](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300592.zip) XR-Specific capacity improvements Google Inc. discussion

[R2-2300641](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300641.zip) Considerations on XR capacity improvements KDDI Corporation discussion NR\_XR\_enh-Core

[R2-2300665](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300665.zip) BSR enhancements for XR Spreadtrum Communications discussion Rel-18

[R2-2300684](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300684.zip) Discussion on capacity improvements for XR Google Inc. discussion Rel-18 NR\_XR\_enh

[R2-2300696](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300696.zip) XR-specific capacity improvements InterDigital discussion Rel-18 NR\_XR\_enh

[R2-2300727](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300727.zip) Views on BSR Enhancements for XR Apple discussion NR\_XR\_enh

[R2-2300728](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300728.zip) Views on Configured Grant Enhancements for XR Apple discussion NR\_XR\_enh

[R2-2300826](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300826.zip) Discussion on BSR enhancement for XR NEC Corporation discussion Rel-18 NR\_XR\_enh

[R2-2300918](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300918.zip) Discussion on XR-specific capacity improvements DENSO CORPORATION discussion Rel-18 NR\_XR\_enh

[R2-2300946](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300946.zip) Discussion on UE Feedback enhancements Lenovo discussion Rel-18

[R2-2301030](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301030.zip) Discussions on XR-specific capacity improvements Fujitsu discussion Rel-18 NR\_XR\_enh

[R2-2301092](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301092.zip) Considerations on XR specific capacity improvements Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301248](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301248.zip) Discussion on XR-specific capacity improvement CMCC discussion Rel-18 NR\_XR\_enh

[R2-2301423](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301423.zip) Capacity enhancement for XR MediaTek Inc. discussion Rel-18

[R2-2301507](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301507.zip) Discussion on XR-specific capacity improvements Ericsson discussion Rel-18 NR\_XR\_enh

[R2-2301517](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301517.zip) Capacity improvements Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_XR\_enh

[R2-2301721](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301721.zip) Discussion on MAC enhancement for XR-specific capacity improvement Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301725](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301725.zip) Discussion on BSR enhancement and delay information report LG Electronics Inc. discussion Rel-18 NR\_XR\_enh

[R2-2301773](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301773.zip) Discussion on BSR enhancements for XR Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2301805](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301805.zip) Discussion on XR-specific capacity improvements III discussion NR\_XR\_enh

## 8.6 IoT NTN enhancements

(IoT\_NTN\_enh-Core; leading WG: RAN1; REL-18; WID: RP-223519)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 8.6.1 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.

[R2-2300273](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300273.zip) List of RAN2 Agreements in IoT-NTN MediaTek Inc. discussion

### 8.6.2 Performance Enhancements

[R2-2301880](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301880.zip) R18 IoT NTN performance enhancement Ericsson discussion Rel-18 IoT\_NTN\_enh

#### 8.6.2.1 HARQ enhancements

[R2-2300161](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300161.zip) Discussion on HARQ enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300203](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300203.zip) Discussion on the HARQ handling in IoT NTN CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300262](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300262.zip) On Disabling HARQ Feedback in IoT-NTN MediaTek Inc. discussion

[R2-2300579](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300579.zip) Disabling HARQ feedback for IoT-NTN Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300889](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300889.zip) Enhancement for UL and DL HARQ processes Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2301043](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301043.zip) Discussion on HARQ enhancement Xiaomi discussion Rel-18

[R2-2301046](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301046.zip) Draft LS on NPDCCH monitoring for HARQ mode B Xiaomi LS out Rel-18 **IoT\_NTN\_enh-Core To:RAN1**

[R2-2301251](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301251.zip) Discussion on the HARQ enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2301659](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301659.zip) Discussion on Timing Advance Report MAC CE transmission in eMTC NTN Nokia, Nokia Shanghai Bell, Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

#### 8.6.2.2 GNSS operation enhancements

[R2-2300175](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300175.zip) Discussion on GNSS operation in connected mode OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300204](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300204.zip) Discussion on GNSS operation in connected mode CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300263](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300263.zip) Enhancements on GNSS operation MediaTek Inc. discussion

[R2-2300580](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300580.zip) GNSS acquisition and reporting for IoT NTN Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300739](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300739.zip) Improved GNSS Operation Apple discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300892](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300892.zip) GNSS fix in RRC\_CONNECTED Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300979](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300979.zip) Considerations on long GNSS operation in CONNECTED state Lenovo discussion Rel-18

[R2-2301041](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301041.zip) Discussion on GNSS operation enhancement Xiaomi discussion Rel-18

=> Revised in [R2-2301895](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301895.zip)

[R2-2301895](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301895.zip) Discussion on GNSS operation enhancement Xiaomi discussion Rel-18

[R2-2301053](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301053.zip) Further discussion on GNSS enhancements ZTE Corporation, Sanechips discussion IoT\_NTN\_enh-Core

[R2-2301209](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301209.zip) Discussion on the enhancement of GNSS operation Huawei, Turkcell, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2301252](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301252.zip) Discussion on the GNSS enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2301493](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301493.zip) On improved GNSS operation for IoT NTN Samsung Electronics Benelux BV discussion Rel-18 IoT\_NTN\_enh

[R2-2301660](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301660.zip) On GNSS operation enhancements for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh-Core

### 8.6.3 Mobility Enhancements

[R2-2300925](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300925.zip) Analysis on mobility enhancements for IoT-NTN Nokia, Nokia Shanghai Bell discussion Rel-18

#### 8.6.3.1 Enhancements for neighbour cell measurements

[R2-2300144](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300144.zip) Enhancements for neighbour cell measurements Huawei, HiSilicon, Turkcell discussion Rel-18 IoT\_NTN\_enh

[R2-2300162](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300162.zip) Discussion on measurement enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300205](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300205.zip) Enhancements for Neighbor Cell Measurements CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300264](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300264.zip) Enhancements on neighbour cell measurement MediaTek Inc. discussion

[R2-2300366](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300366.zip) Discussion on neighbour cell measurements in IoT NTN Intel Corporation discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300581](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300581.zip) Neighbour cell measurements before RLF Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300750](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300750.zip) Neighbour cell measurements before RLF for NB-IoT Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2300891](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300891.zip) Neighbour satellite and coverage information signalling Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300980](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300980.zip) CONNECTED neighbour cell measurement for NB-IoT in NTN Lenovo discussion Rel-18

[R2-2301012](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301012.zip) Enhancements for neighbor cell measurements NEC discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2301054](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301054.zip) Further discussion on neighbor cell measurement ZTE Corporation, Sanechips discussion IoT\_NTN\_enh-Core

[R2-2301187](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301187.zip) Consideration on enhancements for the neighbour cell measurement Xiaomi discussion

[R2-2301253](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301253.zip) Discussion on enhancements for neighbour cell measurements CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2301494](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301494.zip) On enhancements for neighbour cell measurements Samsung Electronics Benelux BV discussion Rel-18 IoT\_NTN\_enh

[R2-2301602](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301602.zip) Discussion on Enhancements for neighbour cell measurements Transsion Holdings discussion Rel-18

R2-2301624 Discussion on Enhancements for neighbour cell measurements Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301693](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301693.zip) Discussion on neighbour cell measurements before RLF Ericsson discussion Rel-18 IoT\_NTN\_enh-Core

#### 8.6.3.2 Other

[R2-2300145](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300145.zip) Discussion on CHO enhancements Huawei, HiSilicon, Turkcell discussion Rel-18 IoT\_NTN\_enh

[R2-2300163](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300163.zip) Discussion on mobility enhancements for eMTC NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300265](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300265.zip) On Mobility Enhancements in IoT-NTN MediaTek Inc. discussion

[R2-2300749](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300749.zip) Mobility enhancement in IoT NTN Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2300981](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300981.zip) IDLE mobility for moving cells in IoT NTN Lenovo discussion Rel-18

[R2-2301056](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301056.zip) Further discussion on other mobility enhancements ZTE Corporation, Sanechips discussion IoT\_NTN\_enh-Core

[R2-2301495](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301495.zip) Other mobility enhancements Samsung Electronics Benelux BV discussion Rel-18 IoT\_NTN\_enh

[R2-2301871](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301871.zip) Conditional Handover in IoT NTN Ericsson discussion Rel-18 IoT\_NTN\_enh

### 8.6.4 Enhancements to discontinuous coverage

[R2-2300206](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300206.zip) Discussion on enhancements to discontinuous coverage CATT discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300266](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300266.zip) On Enhancements to discontinuous coverage MediaTek Inc. discussion

[R2-2300501](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300501.zip) Impact of the UE Unreachability Periods on UE AS Google Inc. discussion Rel-18

[R2-2300582](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300582.zip) IoT-NTN discontinuous coverage enhancements Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300654](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300654.zip) Discussion on power saving enhancements for supporting discontinuous coverage Spreadtrum Communications discussion Rel-18

[R2-2300751](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300751.zip) Support on discontinuous coverage in IoT NTN Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2300878](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300878.zip) Considerations on Supporting Discontinuous Coverage NEC Europe Ltd discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300890](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300890.zip) RRC release procedure in discontinuous coverage Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2300926](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300926.zip) On IoT-NTN enhancements for discontinuous coverage Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2300982](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300982.zip) On mobility and power saving issues for discontinuous coverage Lenovo discussion Rel-18

[R2-2301057](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301057.zip) Discussion on discontinuous coverage enhancements ZTE Corporation, Sanechips discussion IoT\_NTN\_enh-Core

[R2-2301106](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301106.zip) Discontinuous coverage enhancements Samsung Electronics Nordic AB discussion

[R2-2301188](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301188.zip) Discussion on enhancements to discontinuous coverage Xiaomi discussion

[R2-2301210](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301210.zip) Discussion on the discontinuous coverage Huawei, Turkcell, HiSilicon discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2301254](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301254.zip) Discussion on the discontinuous coverage for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2301603](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301603.zip) Discussion on enhancement to discontinuous coverage for IoT NTN Transsion Holdings discussion Rel-18

R2-2301625 Discussion on enhancement to discontinuous coverage for IoT NTN Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301862](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301862.zip) Complementing discontinuous coverage with minimum support for discontinuous feeder link operation Sateliot, GateHouse, Novamint, Intelsat, Airbus discussion Withdrawn

[R2-2301870](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301870.zip) IoT NTN Enhancements to discontinuous coverage Ericsson discussion Rel-18 IoT\_NTN\_enh

[R2-2301886](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301886.zip) Complementing discontinuous coverage with minimum support for discontinuous feeder link operation Sateliot, GateHouse, Novamint, Intelsat, Airbus, Hispasat, ESA, TNO discussion

## 8.7 NR NTN enhancements

(NR\_NTN\_enh -Core; leading WG: RAN1; REL-18; WID: RP-223534)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 8.7.1 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.

[R2-2300020](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300020.zip) Reply LS on RACH-less handover in NTN (R1-2213001; contact: OPPO) RAN1 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2, RAN4

[R2-2300062](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300062.zip) Reply LS on Latency impact for NTN verified UE location (S1-223539; contact: Xiaomi) SA1 LS in Rel-18 NR\_NTN\_enh-Core To:RAN2, SA2 Cc:RAN1, RAN3, RAN

[R2-2300066](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300066.zip) LS Response on Latency impact for NTN verified UE location (S2-2211199; contact: Qualcomm) SA2 LS in Rel-18 5GSAT\_ARCH To:RAN2 Cc:SA1, RAN1, RAN3, RAN

[R2-2301344](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301344.zip) R18 WI NR-NTN-enh work plan at RAN1, 2 and 3 THALES Work Plan Rel-18 R2-2210766

### 8.7.2 Coverage Enhancements

Treated with lowest priority at this meeting, as the work is expected to progress in RAN1 first.

[R2-2300347](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300347.zip) Discussion on coverage enhancement for R18 NTN vivo discussion

[R2-2301363](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301363.zip) Blind Msg3 retransmission in Rel-18 NTN InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301524](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301524.zip) Modification of Msg3 for coverage enhancements NEC Telecom MODUS Ltd. discussion

[R2-2301637](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301637.zip) Discussion on inital blind Msg3 retransmssion LG Electronics Inc. discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301661](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301661.zip) Discussion on Coverage Enhancement for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

### 8.7.3 Network verified UE location

[R2-2300176](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300176.zip) Discussion on network verified UE location OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300207.zip) Discussion on Network Verified UE Location CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300272](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300272.zip) On Network Verified UE Location in NR NTN MediaTek Inc. discussion

[R2-2300364](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300364.zip) Discussion on the single satellite Multi-RTT positioning method in NTN Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300528](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300528.zip) discussion on network verified UE location Ericsson discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300731](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300731.zip) Network Verified UE Location Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300882](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300882.zip) Single satellite Multi-RTT based positioning Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301069](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301069.zip) Discussion on NTN NW verified UE location Lenovo discussion Rel-18

[R2-2301119](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301119.zip) Further discussion on Network Verified UE Location in NTN Samsung Electronics Nordic AB discussion

[R2-2301140](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301140.zip) Consideration on NW verified UE location ZTE Corporation, Sanechips discussion Rel-18

[R2-2301183](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301183.zip) Discussion on network verified UE location Xiaomi discussion

[R2-2301211](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301211.zip) Further consideration on network verified UE location Huawei, Turkcell, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301354](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301354.zip) On Network verified UE location Nokia, Nokia Shanghai Bell discussion

[R2-2301837](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301837.zip) Discussion on Network Verified Location TCL Communication Ltd. discussion Rel-18

### 8.7.4 NTN-TN and NTN-NTN mobility and service continuity enhancements

#### 8.7.4.1 Cell reselection enhancements

[R2-2300451](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300451.zip) Discussion on cell reselection in earth moving cell Quectel discussion Rel-18 Late

[R2-2300883](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300883.zip) TN neighbour cell coverage information Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300884](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300884.zip) Neighbor cell measurement relaxation Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

##### 8.7.4.1.1 NTN-TN enhancements

[R2-2300146](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300146.zip) Discussion on NTN-TN cell reselection enhancements Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh

[R2-2300164](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300164.zip) Discussion on NTN-TN cell reselection enhancement OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300208](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300208.zip) Discussion on Cell Reselection Enhancements in NTN-TN Scenario CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300345](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300345.zip) Discussion on power saving for NTN-TN mobility vivo discussion

[R2-2300363](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300363.zip) Discussion on TN-NTN cell reselection enhancements Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300476](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300476.zip) On Enhanced Cell Reselection in Rel-18 NTN Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300511](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300511.zip) Discussion on NTN-TN Mobility Enhancements in Idle State Google Inc. discussion Rel-18

[R2-2300732](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300732.zip) NTN-TN Cell Reselection Enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300798](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300798.zip) Discussion on NTN-TN cell reselection enhancement LG Electronics France discussion Rel-18 NR\_NTN\_enh

[R2-2300983](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300983.zip) IDLE mobility regarding NTN moving cells Lenovo discussion Rel-18

[R2-2300996](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300996.zip) Discussion on NTN-TN Cell re-selection ITL discussion Rel-18

[R2-2301093](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301093.zip) Cell selection/reselection enhancements in NTN-TN Sony discussion Rel-18 NR\_NTN\_enh

[R2-2301141](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301141.zip) Consideration on cell reselection enhancements for NTN-TN ZTE Corporation, Sanechips discussion Rel-18

[R2-2301184](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301184.zip) Cell reselection enhancements for NTN-TN mobility Xiaomi discussion

[R2-2301225](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301225.zip) Discussion on NTN-TN reselection CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301365](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301365.zip) NTN-TN mobility and service continuity InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301460](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301460.zip) NTN-TN Mobility Cell Reselection SHARP Corporation discussion

[R2-2301479](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301479.zip) Discussion on NTN-TN cell reselection enhancements Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301523](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301523.zip) Details of the TN coverage data signalling NEC Telecom MODUS Ltd. discussion

[R2-2301604](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301604.zip) Further discussion on NTN-TN cell reselection enhancements Transsion Holdings discussion Rel-18

R2-2301626 Further discussion on NTN-TN cell reselection enhancements Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301764](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301764.zip) Further discussion on NTN-TN cell reselection enhancements NTT DOCOMO, INC. discussion Rel-18

[R2-2301869](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301869.zip) TN NTN mobility enhancements Ericsson discussion Rel-18 NR\_NTN\_enh

##### 8.7.4.1.2 NTN-NTN enhancements

[R2-2300147](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300147.zip) Discussion on NTN-NTN cell reselection enhancements Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh

[R2-2300165](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300165.zip) Discussion on NTN-NTN cell reselection enhancement OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300241](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300241.zip) Issues on NTN Mobility Lockheed Martin discussion Rel-18

[R2-2300344](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300344.zip) Discussion on cell reselection enhancements for earth-moving cell vivo discussion

[R2-2300362](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300362.zip) Discussion on NTN-NTN cell reselection enhancements Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300466](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300466.zip) Neighbour cell signalling overhead reduction PANASONIC discussion

[R2-2300509](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300509.zip) Discussion on NTN-NTN Mobility Enhancements in Idle State Google Inc. discussion Rel-18 [R2-2212893](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212893.zip)

[R2-2300655](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300655.zip) Discussion on NTN-NTN cell reselection enhancements Spreadtrum Communications discussion Rel-18

[R2-2300733](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300733.zip) NTN-NTN Cell Reselection Enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300799](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300799.zip) Discussion on NTN-NTN cell reselection enhancement LG Electronics France discussion Rel-18 NR\_NTN\_enh

[R2-2300984](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300984.zip) Measurement for cell reselection in NTN with TN cells involved Lenovo discussion Rel-18

[R2-2300995](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300995.zip) Discussion on NTN-NTN Cell re-selection ITL discussion Rel-18

[R2-2301142](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301142.zip) Consideration on cell reselection enhancements for NTN-NTN ZTE Corporation, Sanechips discussion Rel-18

[R2-2301185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301185.zip) Cell reselection enhancements for NTN-NTN mobility Xiaomi discussion

[R2-2301226](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301226.zip) Discussion on NTN-NTN reselection CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301364](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301364.zip) Cell reselection enhancements for Earth moving cell InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301480](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301480.zip) Discussion on Cell Reselection with Earth-moving Cell Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301535.zip) Discussion on reference location for moving cell ASUSTeK discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301605](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301605.zip) Further discussion on NTN-NTN cell reselection enhancements Transsion Holdings discussion Rel-18

R2-2301627 Further discussion on NTN-NTN cell reselection enhancements Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301868](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301868.zip) NTN NTN mobility enhancements Ericsson discussion Rel-18 NR\_NTN\_enh

#### 8.7.4.2 Handover enhancements

[R2-2300148](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300148.zip) Discussion on NTN handover enhancements Huawei, HiSilicon, Turkcell discussion Rel-18 NR\_NTN\_enh

[R2-2300177](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300177.zip) Discussion on NTN handover enhancements OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300209](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300209.zip) Discussion on PCI unchanged scenario CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300210](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300210.zip) Discussion on NTN HO Enhancements CATT discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300274](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300274.zip) Handover Enhancement in LEO NTN with Earth-moving Cells MediaTek Inc. discussion

[R2-2300346](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300346.zip) On handover enhancement for siganlling overhead reduction in NR NTN vivo discussion

[R2-2300361](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300361.zip) Discussion on NTN 2-step handover Intel Corporation discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300450](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300450.zip) Discussion on NTN HO enhancnment CAICT discussion Rel-18 NR\_NTN\_enh-Core

R2-2300467 Handover timing improvement PANASONIC discussion Late

=> Withdrawn

[R2-2300477](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300477.zip) On Enhanced NTN Connected-mode Mobility in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300514](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300514.zip) SMTC and Measurement Gap Enhancements for Connected UEs Google Inc. discussion Rel-18

[R2-2300516](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300516.zip) Discussion on NTN-TN Mobility Enhancements in Connected State Google Inc. discussion Rel-18 [R2-2212894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212894.zip)

[R2-2300734](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300734.zip) NTN specific Handover Enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300800](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300800.zip) Discussion on handover enhancement LG Electronics France discussion Rel-18 NR\_NTN\_enh

[R2-2300856](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300856.zip) Discussion of HO common signaling reduction in NTN China Telecom discussion Rel-18 NR\_NTN\_enh

[R2-2300885](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300885.zip) Further handover enhancement for NTN Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2300985](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300985.zip) Considerations on common signalling for CONNECTED mobility in NTN Lenovo discussion Rel-18

[R2-2301013](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301013.zip) NTN-NTN handover enhancement NEC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301094](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301094.zip) Signaling overhead reduction and group handover during NTN-NTN HOs Sony discussion Rel-18 NR\_NTN\_enh

[R2-2301143](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301143.zip) Consideration on HO enhancements in NTN ZTE Corporation, Sanechips discussion Rel-18

[R2-2301186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301186.zip) Discussion on handover enhancements for NTN-NTN mobility Xiaomi discussion

[R2-2301269](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301269.zip) Service Link Switching with PCI unchanged CMCC,CATT,Huawei,HiSilicon,Lenovo,vivo discussion Rel-18 NR\_NTN\_enh

[R2-2301366](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301366.zip) NTN mobility enhancements for RRC\_CONNECTED InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301481](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301481.zip) Discussion on NTN handover enhancements Samsung Research America discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301504](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301504.zip) Discussion on Handover enhancements for NTN Fujitsu Limited discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301536](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301536.zip) Discussion on RACH-less handover for NTN ASUSTeK discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301537](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301537.zip) Discussion on handover enhancement with common signalling ASUSTeK discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301606](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301606.zip) Further discussion on NTN-NTN handover enhancements Transsion Holdings discussion Rel-18

R2-2301628 Further discussion on NTN-NTN handover enhancements Transsion Holdings discussion Rel-18 Withdrawn

[R2-2301766](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301766.zip) Further discussion on NTN-NTN handover enhancements NTT DOCOMO, INC. discussion Rel-18

[R2-2301821](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301821.zip) Discussion on handover enhancements Sharp discussion Rel-18 NR\_NTN\_enh-Core [R2-2212560](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212560.zip)

[R2-2301864](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301864.zip) NTN-NTN handover enhancements Sequans Communications discussion Rel-18 NR\_NTN\_enh-Core

[R2-2301866](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301866.zip) HO/CHO Signaling Overhead Reduction by NTN-config omission Sequans Communications discussion Rel-18 NR\_NTN\_enh-Core [R2-2212721](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212721.zip)

[R2-2301867](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301867.zip) Handover enhancements Ericsson discussion Rel-18 NR\_NTN\_enh

## 8.8 NR support for UAV

(NR\_UAV -Core; leading WG: RAN1; REL-18; WID: RP-223545)

Time budget: 0.5 TU

Tdoc Limitation: 3

### 8.8.1 Organizational

[R2-2300006](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300006.zip) OG0022\_LS-MITRE-Engenuity Open Generation DAA input\_PC5\_DAA\_RID\_PRS OG0022 (contact: vivo) MITRE Engenuity Open Generation 5G Consortium LS in NR\_UAV-Core To:SA2 Cc:RAN2

[R2-2300061](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300061.zip) LS response to ETSI TC LI on Location Services for Drones (RP-223555; contact: Ericsson) RAN LS in Rel-18 To:ETSI TC LI Cc:RAN2, SA3 LI

[R2-2300080](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300080.zip) LS on PC5 based Detect and Avoid mechanism (S2-2301854; contact: LGE) SA2 LS in Rel-18 FS\_UAS\_Ph2 To:RAN2

[R2-2300478](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300478.zip) Uncrewed Aerial Vehicles in Rel-18 - Updated Workplan Nokia, Nokia Shanghai Bell Work Plan Rel-18 NR\_UAV-Core

[R2-2301875](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301875.zip) Discussion on the LS from SA2 for NR UAV CATT discussion Rel-18 NR\_UAV-Core

[R2-2301931](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301931.zip) LS on RAN dependency for UAS (S2-2303285; contact: LGE) SA2 LS in Rel-18 UAS\_Ph2 To:RAN2, RAN3

### 8.8.2 Measurement reporting for mobility and interference control

Contributions should focus on enhancement to measurement reports, for example UE-triggered measurement report based on configured height thresholds, Reporting of height, location and speed in measurement report, Measurement reporting based on a configured number of cells (i.e. larger than one) fulfilling the triggering criteria simultaneously

[R2-2300369](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300369.zip) Interference control for UAV Intel Corporation discussion Rel-18 NR\_UAV-Core

[R2-2300371](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300371.zip) mobility control for UAV Intel Corporation discussion Rel-18 NR\_UAV-Core

[R2-2300479](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300479.zip) Report from [Post120][312][UAV] Mobility Control for UAVs (Nokia) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2300583](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300583.zip) Measurement and reporting enhancements Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2300595](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300595.zip) On Interference Reporting for UAV UEs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2300746](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300746.zip) Measurement reporting enhancement in UAV Apple discussion Rel-18 NR\_UAV

[R2-2300852](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300852.zip) Discussion on Measurement Reports Enhancements NEC Europe Ltd discussion Rel-18 NR\_UAV-Core

[R2-2300897](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300897.zip) UAV measurement reports Ericsson discussion Rel-18

[R2-2300941](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300941.zip) Discussion on measurement reporting for NR UAV Sharp discussion

[R2-2300972](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300972.zip) measurement enhancement for NR UAV Lenovo discussion Rel-18

[R2-2300991](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300991.zip) Measurement reporting for mobility and interference control Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2300997](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300997.zip) Report of [Post120][313][UAV] Interference Control for UAVs (Huawei) Huawei (email rapporteur) discussion Rel-18

[R2-2301095](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301095.zip) Considerations about UAV mobility and user consent Sony discussion Rel-18 NR\_UAV

[R2-2301220](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301220.zip) On UAV mobility and interference control ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2301227](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301227.zip) Measurement Reporting for NR UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2301397](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301397.zip) Discussion on measurement reporting for NR UAV Xiaomi discussion Rel-18 NR\_UAV-Core

[R2-2301592](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301592.zip) On measurement reporting enhancements in NR UAV Samsung Electronics Austria discussion Rel-18 NR\_UAV-Core

[R2-2301677](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301677.zip) Discussion on measurement reporting enhancement for NR UAV vivo discussion Rel-18 NR\_UAV-Core

[R2-2301765](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301765.zip) Further discussion on NR support for UAV NTT DOCOMO, INC. discussion Rel-18

[R2-2301771](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301771.zip) Measurement Report Enhancement LG Electronics discussion Rel-18

[R2-2301772](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301772.zip) Number of changed cell related Enhancement LG Electronics discussion Rel-18

[R2-2301807](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301807.zip) Discussion on measurement reporting for NR UAV China Telecom discussion

### 8.8.3 Flight path reporting

*Contributions on enhancements to flight path reporting*

[R2-2300368](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300368.zip) Flight path update triggering for UAV Intel Corporation discussion Rel-18 NR\_UAV-Core

[R2-2300480](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300480.zip) On Flight Path Plan (FPP) and Height-dependent Configurations Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2300584](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300584.zip) Flight path reporting enhancements Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2300747](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300747.zip) Flight path reporting in UAV Apple discussion Rel-18 NR\_UAV

[R2-2300853](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300853.zip) Discussion on Flight Path Reporting NEC Europe Ltd discussion Rel-18 NR\_UAV-Core

[R2-2300905](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300905.zip) Flight path reporting Ericsson discussion Rel-18

[R2-2300942](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300942.zip) Discussion on flight path reporting for NR UAV Sharp discussion

[R2-2300973](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300973.zip) Remaining issues of flight path reporting for NR UAV Lenovo discussion Rel-18

[R2-2300992](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300992.zip) Flight path reporting Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2301221](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301221.zip) On flight path reporting ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2301228](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301228.zip) Flight path Reporting for NR UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2301367](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301367.zip) Flight path notification and reporting for UAV InterDigital discussion Rel-18 NR\_UAV-Core

[R2-2301387](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301387.zip) Discussion on flight path reporting Samsung discussion Rel-18 NR\_UAV-Core

[R2-2301398](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301398.zip) Discussion on flight path reporting for NR UAV Xiaomi discussion Rel-18 NR\_UAV-Core

[R2-2301676](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301676.zip) Discussion on flight path reporting for NR UAV vivo discussion Rel-18 NR\_UAV-Core

[R2-2301810](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301810.zip) Discussion on flight path reporting for NR UAV China Telecom discussion

[R2-2301876](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301876.zip) Leftover Issues on Flight Path Reporting CATT discussion Rel-18 NR\_UAV-Core

[R2-2301883](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301883.zip) Consideration on flight path reporting of NR support for UAV DENSO CORPORATION discussion NR\_UAV-Core

### 8.8.4 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.

This AI will be downprioritized and not treated

### 8.8.5 UAV identification broadcast

Study and specify, if needed, enhancements for UAV identification broadcast

[R2-2300333](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300333.zip) RAN2 aspects of PC5-based BRID and DAA support Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2300481](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300481.zip) RAN2 Impacts of PC5-based BRID and DAA for UAVs Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2300538](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300538.zip) On broadcasting UAV identification Ericsson España S.A. discussion Rel-18

[R2-2300748](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300748.zip) UAV identification broadcast over PC5 Apple discussion Rel-18 NR\_UAV

[R2-2300854](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300854.zip) Considerations on Enhancements for UAV identification broadcast NEC Europe Ltd discussion Rel-18 NR\_UAV-Core

[R2-2300974](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300974.zip) Discussion on broadcasting remote id for UAV Lenovo discussion Rel-18

[R2-2300993](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300993.zip) Consideration on UAV remote identification broadcast Huawei, HiSilicon discussion Rel-18 NR\_UAV-Core

[R2-2301096](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301096.zip) UAV identification broadcast Sony discussion Rel-18 NR\_UAV

[R2-2301169](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301169.zip) Discussion on UAV identification broadcast Samsung discussion Rel-18 NR\_UAV-Core

[R2-2301222](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301222.zip) On UAV identification broadcast ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

R2-2301229 UAV identification broadcast CMCC discussion Rel-18 NR\_UAV-Core

[R2-2301418](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301418.zip) UAV Broadcast of Remote IDentification and Detect And Avoid Beijing Xiaomi Mobile Software discussion Rel-18 NR\_UAV-Core

[R2-2301678](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301678.zip) Discussion on UAV identification broadcast vivo discussion Rel-18 NR\_UAV-Core

[R2-2301737](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301737.zip) Draft Reply LS on PC5 based Detect and Avoid mechanism LG Electronics France LS out Rel-18 FS\_UAS\_Ph2 To:SA2

[R2-2301877](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301877.zip) RAN2 impact analysis to support UAV ID Broadcast CATT discussion Rel-18 NR\_UAV-Core

## 8.9 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

### 8.9.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2300032](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300032.zip) Reply LS on ProSe Authorization information related to UE-to-UE Relay operation to NG-RAN (R3-226822; contact: LGE) RAN3 LS in Rel-18 FS\_5G\_ProSe\_Ph2, NR\_SL\_relay\_enh To:SA2, RAN2

[R2-2300064](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300064.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

[R2-2300068](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300068.zip) LS on Multi-path Authorization information to NG-RAN (S2-2211269; contact: LGE) SA2 LS in Rel-18 FS\_5G\_ProSe\_Ph2, NR\_SL\_relay\_enh To:RAN3 Cc:RAN2

[R2-2300847](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300847.zip) Revised work plan for NR sidelink relay enhancements LG Electronics France Work Plan Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301933](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301933.zip) Reply LS on Differentiation of Layer2 ID and Coexistence of U2N/U2U (S2-2303381; contact: CATT) SA2 LS in Rel-18 5G\_ProSe\_Ph2 To:RAN2

### 8.9.2 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.

[R2-2300102](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300102.zip) Discussion on U2U Relay Discovery and (Re)Selection CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300134](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300134.zip) Discussion on U2U relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300250](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300250.zip) Adaptation layer and connection establishment for L2 UE to UE relay NEC discussion NR\_SL\_relay\_enh-Core

[R2-2300534](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300534.zip) Relay (Re-)Selection and Discovery for Layer-2 UE-to-UE Relays Ericsson España S.A. discussion Rel-18

[R2-2300536](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300536.zip) Control Plane Procedures for Layer-2 UE-to-UE Relays Ericsson España S.A. discussion Rel-18

[R2-2300619](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300619.zip) Discussion on L2 UE-to-UE relaying aspects Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2300620](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300620.zip) Discovery and (re)selection open aspects of U2U relaying Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2300625](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300625.zip) Discovery and Relay Selection for UE to UE Relays InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300644](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300644.zip) Discussion on UE-to-UE relay Spreadtrum Communications discussion Rel-18

[R2-2300687](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300687.zip) Discussion on the common L2 L3 parts for U2U relaying vivo discussion

[R2-2300688](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300688.zip) Discussion on the L2 specific parts for U2U relaying vivo discussion

[R2-2300760](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300760.zip) Discussion on user plane design for Layer 2 UE-to-UE Relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300811](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300811.zip) Relay selection and reselection for U2U relay LG Electronics Inc. discussion Rel-18

[R2-2300814](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300814.zip) Control plane procedure for U2U relay LG Electronics Inc. discussion Rel-18

[R2-2300849](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300849.zip) Discussion on NR sidelink U2U relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300965](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300965.zip) Discussion on L2 U2U relay Lenovo discussion Rel-18

[R2-2301018](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301018.zip) Common part open issues and Layer-2 specific part on U2U Relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2301031](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301031.zip) UE identity information in the adaptation layer Fujitsu discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301082](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301082.zip) Discussion on U2U relay discovery and (re)selection ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301083](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301083.zip) Discussion on U2U relay L2-specific functionality ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301097](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301097.zip) UE-to-UE relay (re)selection Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301170](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301170.zip) Integrated U2U relay discovery Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core [R2-2212207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212207.zip)

[R2-2301171](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301171.zip) QoS and Bearer configuration for U2U relaying Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301177](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301177.zip) Discussion on UE-to-UE relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301224](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301224.zip) SRAP design for U2U Sidelink Relay Samsung R&D Institute UK discussion

[R2-2301241](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301241.zip) Discussion on U2U relay CMCC discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301355](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301355.zip) Considerations on U2U relay (re)selection and Local ID assignment Nokia, Nokia Shanghai Bell discussion NR\_SL\_relay\_enh-Core

[R2-2301414](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301414.zip) Considerations for U2U L2 relay operations Kyocera discussion

[R2-2301417](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301417.zip) Continuation of discussion on U2U relay discovery and relay (re)selection Beijing Xiaomi Mobile Software discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301538](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301538.zip) Discussion on E2E security for supporting L2 UE-to-UE relay ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301539](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301539.zip) Discussion on aspects of AS layer configuration for L2 U2U Relay ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301736](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301736.zip) Connection management and procedures for L2 UE-to-UE relay MediaTek Inc. discussion Rel-18

[R2-2301827](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301827.zip) UE-to-UE relay (re)selection Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.3 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.

[R2-2300103](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300103.zip) Considerations on Service Continuity Enhancements for L2 U2N Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300128](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300128.zip) Discussion on further enhancement of service continuity OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300129](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300129.zip) Discussion on emergency service OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300251](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300251.zip) Lossless data delivery during inter-gNB path switch NEC discussion NR\_SL\_relay\_enh-Core

[R2-2300275](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300275.zip) Discussion on Service Continuity Enhancements NEC Corporation discussion NR\_SL\_relay\_enh-Core

[R2-2300391](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300391.zip) Discussion on service continuity enhancement Xiaomi discussion

[R2-2300535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300535.zip) Further Aspects on Inter-gNB Service Continuity Ericsson España S.A. discussion Rel-18 [R2-2211535](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2211535.zip)

[R2-2300626](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300626.zip) Open Issues on Service Continuity InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300627](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300627.zip) Lossless path switching from indirect to indirect/direct InterDigital, Apple, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

=> Revised in [R2-2301892](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301892.zip)

[R2-2301892](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301892.zip) Lossless path switching from indirect to indirect/direct InterDigital, Apple, Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300647](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300647.zip) Service continuity enhancements support for L2 U2N relay Spreadtrum Communications discussion Rel-18

[R2-2300761](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300761.zip) Discussion on Service continuity enhancement of L2 U2N relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300815](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300815.zip) Consideration on service continuity enhancement for L2 U2N relay LG Electronics Inc. discussion Rel-18

[R2-2300850](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300850.zip) Discussion on service continuity for inter-gNB mobility scenarios China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300966](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300966.zip) Service continuity for Inter-gNB path switching Lenovo discussion Rel-18

[R2-2300999](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300999.zip) SL-RSRP and SD-RSRP measurement issues Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301000](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301000.zip) Discussion on service continuity issues for Inter-gNB path switching of L2 U2N relay Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301040](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301040.zip) Discussion on lossless delivery from indirect path to target path Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2301084](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301084.zip) Further discussion on service continuity for SL relay ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301098](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301098.zip) Service continuity enhancements for UE sidelink relay Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301242](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301242.zip) Discussion on service continuity CMCC discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301484](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301484.zip) Discussion on Service Continuity Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301596](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301596.zip) Service continuity enhancements for L2 U2N relay Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2301738](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301738.zip) Inter-gNB path switch to Relay UE in RRC Idle, RRC Inactive MediaTek Inc. discussion Rel-18

[R2-2301826](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301826.zip) Discussion on remaining issues for path switching Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.4 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).

[R2-2300104](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300104.zip) Discussion on Multi-path for Scenario 1 CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300105](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300105.zip) Leftover Issues on Multi-path Scenario 2 CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300133](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300133.zip) Discussion on multi-path SL relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300276](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300276.zip) Discussion on Multi-path Relaying NEC Corporation discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300390](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300390.zip) Discussion on multi-path Xiaomi discussion

[R2-2300537](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300537.zip) Path Management for Multipath Relays Ericsson España S.A. discussion Rel-18

[R2-2300618](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300618.zip) Control plane aspects of multi-path relaying Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2300628](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300628.zip) Design Aspects for Multipath InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300648](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300648.zip) Discussion on multi-path relaying Spreadtrum Communications discussion Rel-18

[R2-2300689](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300689.zip) Basic control plane aspects for Multi-path Scenario 1&2 vivo discussion

[R2-2300690](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300690.zip) Remaining Issues for Multi-path Scenario-1 and Scenario-2 vivo discussion

[R2-2300762](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300762.zip) Discussion on control plan design for Multi-path Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300763](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300763.zip) Discussion on remaining issues on Scenario 2 for Multi-path Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300848](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300848.zip) Multi-path relaying for NR sidelink relay enhancements LG Electronics France discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300851](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300851.zip) Discussion on multi-path relaying China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2300967](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300967.zip) Second path addition and failure recovery for Scenario1 Lenovo discussion Rel-18

[R2-2301020](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301020.zip) Further discussion on multi-path relay for Scenario 1 and Scenario 2 Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2301032](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301032.zip) Path activation and traffic offloading in multi-path Fujitsu discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301072](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301072.zip) Discussion on Multi-path relaying Lenovo discussion NR\_SL\_relay\_enh-Core

[R2-2301081](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301081.zip) Discussion on the support of multi-path relaying ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301099](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301099.zip) Multi-path relaying discussion Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301178](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301178.zip) Discussion on multi-path operation Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301243](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301243.zip) Control plane issues in multi-path CMCC discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301244](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301244.zip) Considerations on scenario 2 CMCC discussion Rel-18 NR\_SL\_relay\_enh

[R2-2301322](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301322.zip) Considerations on resource allocation mode 1 support for Sidelink multi-path relay Philips International B.V. discussion Rel-18 38.300 NR\_SL\_relay\_enh, NR\_SL\_relay\_enh-Core

[R2-2301324](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301324.zip) Discussion sidelink relay enhancement for scenario 1&2 Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301415](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301415.zip) Considerations for multipath relay operations for Scenario 1 Kyocera discussion

[R2-2301540](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301540.zip) Bearer mapping configuration for multi-path Scenario 2 ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301541](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301541.zip) Resource allocation and BSR reporting for multi-path ASUSTeK discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301554](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301554.zip) Multipath sidelink relay Nokia, Nokia Shanghai Bell discussion NR\_SL\_relay\_enh-Core

[R2-2301735](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301735.zip) Discuss on Multipath MediaTek Inc. discussion Rel-18

[R2-2301823](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301823.zip) C-plane aspects of multi-path Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301824](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301824.zip) remaining issue for supporting senario2 Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

R2-2301925 [Pre121][407] Summary of AI 8.9.4 on Multi-path relaying LG Electronics Inc. discussion Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.5 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.

[R2-2300392](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300392.zip) Discussion on SL DRX in U2N relay Xiaomi discussion

[R2-2301052](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301052.zip) SL DRX for L2 U2N relay Qualcomm Incorporated, Fraunhofer IIS, Fraunhofer HHI, CATT discussion NR\_SL\_relay\_enh-Core

[R2-2301179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301179.zip) Discussion on sidelink DRX for L2 U2N relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2301839](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301839.zip) SL-Relay DRX MediaTek Inc. discussion Rel-18

## 8.10 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

This WI expects to address interference between 3GPP (including various MR-DC architectures, i.e. NR-DC and EN-DC) and non-3GPP RAT (e.g. WiFi). Note: Enhancements to FDM solution is prioritized. LTE IDC solution should be considered as the baseline for the solutions developed in this WI.

### 8.10.1 Organizational

LS in. Rapporteur Input, e.g. draft stage 2 CRs, stage 3 CRs;

[R2-2300827](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300827.zip) Draft 36.306 CR for Rel-18 IDC UE capabilities Intel Corporation draftCR Rel-18 36.306 17.3.0 NR\_IDC\_enh-Core

[R2-2300828](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300828.zip) Draft 36.331 CR for Rel-18 IDC UE capabilities Intel Corporation draftCR Rel-18 36.331 17.3.0 NR\_IDC\_enh-Core

[R2-2300829](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300829.zip) Draft 38.306 CR for Rel-18 IDC UE capabilities Intel Corporation draftCR Rel-18 38.306 17.3.0 NR\_IDC\_enh-Core

[R2-2300830](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300830.zip) Draft 38.331 CR for Rel-18 IDC UE capabilities Intel Corporation draftCR Rel-18 38.331 17.3.0 NR\_IDC\_enh-Core

[R2-2301485](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301485.zip) Draft 38.300 CR for IDC Enhancements Huawei, HiSilicon draftCR Rel-18 38.300 17.3.0 B NR\_IDC\_enh-Core

### 8.10.2 FDM solution enhancements

Enhancements to FDM solution, down-selection of Solution 1, 2 or 2a based on ASN.1 details (granularity for bandwidth, e.g. PRB, RBG, explicit Bandwidth, etc). Identify the impact of MR-DC, e.g. whether SN can configure IDC for SN (including both FDM and TDM), the coordination granularity of inter-node message, per CG pattern (TDM);Signalling details of FDM, e.g. how to configure, how to report.

Including the outcome of email discussion [Post120][652][IDC] Further details of FDM solution (Huawei).

[R2-2300522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300522.zip) More granular FDM indications Ericsson discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300523](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300523.zip) IDC configuration and report in MR-DC Ericsson discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300543](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300543.zip) FDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

[R2-2300743](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300743.zip) Discussion on detailed FDM solutions in IDC Apple discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300831](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300831.zip) Enhanced FDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300874](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300874.zip) FDM solutions Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300968](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300968.zip) FDM solution for IDC Lenovo discussion Rel-18

[R2-2301108](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301108.zip) Remaining issues for FDM and MRDC coordination Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301326](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301326.zip) Discussion on FDM solution for IDC Samsung discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301486](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301486.zip) Summary of [Post120][652][IDC] Further details of FDM solution (Huawei) Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301487](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301487.zip) Further discussion on details of FDM enhancement for NR IDC Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301598](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301598.zip) Discussion on FDM solution for R18 IDC vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301706](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301706.zip) Further Consideration on the IDC FDM Solutions ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301799](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301799.zip) Discussion on IDC FDM solution enhancement CATT discussion Rel-18 NR\_IDC\_enh-Core

### 8.10.3 TDM solution

Introduction of TDM solution, details of periodic pattern, e.g. values (applied use case), ASN.1 details; Signalling details of TDM, e.g. how to configure, how to report.. Details of autonomous denial (LTE as baseline, ASN.1 and procedure);  
Including the outcome of email discussion [Post120][651][IDC] Further details of TDM solution (vivo).

[R2-2300524](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300524.zip) NR IDC TDM solutions and indications Ericsson discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300544](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300544.zip) TDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

[R2-2300744](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300744.zip) Discussion on TDM solutions in IDC Apple discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300832](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300832.zip) TDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300875](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300875.zip) TDM solutions Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300943](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300943.zip) Discussion on TDM solution enhancements Sharp discussion

[R2-2301109](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301109.zip) Remaining issues for TDM solutions Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301327](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301327.zip) Discussion on TDM solution for IDC Samsung discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301488](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301488.zip) Further discussion on details of TDM solution for NR IDC Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301599](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301599.zip) Summary of [Post120][651][IDC]Further details of TDM solution (vivo) vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301600](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301600.zip) Discussion on IDC TDM solution vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301707](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301707.zip) Further Consideration on the IDC TDM Solutions ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

### 8.10.4 UE capabilities

Including impact to 38.306/36.306 and 38.331/36.331.

[R2-2300745](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300745.zip) IDC UE capability Apple discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300833](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300833.zip) UE capabilities for IDC Intel Corporation discussion Rel-18 NR\_IDC\_enh-Core

[R2-2300873](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300873.zip) UE capabilities Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301110](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301110.zip) UE capability bits for IDC Xiaomi discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301489](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301489.zip) Discussion on UE capability for IDC enhancement Huawei, HiSilicon discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301601](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301601.zip) Discussion on IDC UE Capabilities vivo discussion Rel-18 NR\_IDC\_enh-Core

[R2-2301708](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301708.zip) Consideration on the IDC Capabilities ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_enh-Core

R2-2301920 [Pre121][654][IDC] Summary of agenda item 8.10.4 UE capabilities (Intel) Intel Corporation report Rel-18 NR\_IDC\_enh-Core

## 8.11 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: 3 tdocs

### 8.11.1 Organizational

LS in, rapporteur input etc.

[R2-2300067](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300067.zip) Reply LS on FS\_5MBS\_Ph2 progress (S2-2211256; contact: Huawei) SA2 LS in Rel-18 FS\_5MBS\_Ph2, NR\_MBS\_enh-Core To:RAN2, RAN3 Cc:RAN1

[R2-2301165](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301165.zip) Discussion on the LS from SA2 Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301934](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301934.zip) LS on the open issues related to RAN WGs in 5MBS\_Ph2 (S2-2303407; contact: Huawei) SA2 LS in Rel-18 NR\_MBS\_enh-Core, 5MBS\_Ph2 To:RAN2, RAN3

### 8.11.2 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 8.11.2, please use 8.11.2.1, 8.11.2.2 or 8.11.2.3 instead.

#### 8.11.2.1 PTM configuration aspects and mobility

Further details of PTM configuration, including aspects such as: PTM configuration via dedicated signalling for cells other than seving cell, PTM configuration update during mobility, after configuration change etc., how is MCCH configuration provided to the UE (dedicated or common signalling), service continuity during mobility etc.

[R2-2300100](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300100.zip) Discussion on multicast reception in RRC\_INACTIVE state OPPO discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300178](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300178.zip) Discussions on PTM Configuration and Mobility CATT, CBN discussion NR\_MBS\_enh-Core

[R2-2300242](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300242.zip) Initial Considerations on Mixed Approach vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300243](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300243.zip) Discussion on Mixed Approach from PHY Aspect vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300283](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300283.zip) Analysis of MCCH for sending PTM configuration TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2300286](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300286.zip) Discuss on PTM configuration for multicast in RRC INACTIVE MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300335](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300335.zip) PTM configuration and mobility aspects for multicast reception in RRC\_INACTIVE Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300525](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300525.zip) Discussion on PTM configuration aspects and mobility Samsung R&D Institute India discussion Rel-18

[R2-2300666](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300666.zip) Discussion on PTM configuration and Mobility Spreadtrum Communications discussion Rel-18

[R2-2300672](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300672.zip) Discussion on PTM configuration and mobility NEC Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300735](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300735.zip) PTM Configuration and Mobility for INACTIVE Multicast Reception Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300876](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300876.zip) PTM configuration aspects and mobility Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300947](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300947.zip) PTM configuration and mobility for multicast reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2301036](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301036.zip) PTM configuration for multicast reception in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18

[R2-2301162](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301162.zip) PTM configuration and mobility for multicast reception in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301206](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301206.zip) PTM configuration aspects and mobility Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301235](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301235.zip) Discussion on PTM configuration and mobility CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301559](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301559.zip) PTM configuration for multicast reception in RRC\_INACTIVE Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301586](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301586.zip) PTM configuration and mobility aspects on multicast reception in RRC INACTIVE Kyocera discussion Rel-18

[R2-2301672](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301672.zip) Multicast in RRC\_INACTIVE Sharp discussion

[R2-2301691](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301691.zip) Considerations on the PTM configuration and mobility for multicast reception in RRC\_INACTVE state Beijing Xiaomi Software Tech discussion Rel-18

[R2-2301843](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301843.zip) PTM Configuration delivery for multicast reception in RRC\_INACTIVE ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh

#### 8.11.2.2 Notifications and RRC state transitions

Including aspects such as: service continuity during RRC states changes, how does the network indicate the UE to switch RRC state for multicast reception, 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 etc.

[R2-2300179](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300179.zip) Discussion on Notifications and RRC state transitions CATT, CBN discussion NR\_MBS\_enh-Core

[R2-2300244](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300244.zip) Discussion on (De)Activation and State Transition vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300252](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300252.zip) HARQ operation during RRC state transitions for multicast reception NEC discussion NR\_MBS\_enh-Core

[R2-2300284](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300284.zip) Common signalling for multicast reception in RRC\_INACTIVE state TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2300287](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300287.zip) Notification and state transition for multicast in RRC INACTIVE MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300336](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300336.zip) Notifications and RRC state transitions multicast reception in RRC\_INACTIVE Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300526](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300526.zip) Discussion on Notification and RRC state transitions Samsung R&D Institute India discussion Rel-18

[R2-2300667](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300667.zip) Discussion on Notification and RRC state transition Spreadtrum Communications discussion Rel-18

[R2-2300736](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300736.zip) Group Notification and RRC State Transition for Multicast Reception Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300877](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300877.zip) Notifications and RRC state transitions Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300948](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300948.zip) Notification and State Transmission for Multicast Reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2301037](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301037.zip) Multicast activation deactivation notification and RRC state transitions LG Electronics Inc. discussion Rel-18

[R2-2301163](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301163.zip) Notification and RRC state transition for multicast reception in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301205](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301205.zip) Notifications and RRC state transitions Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301236](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301236.zip) Discussion on notification for RRC\_INACTIVE multicast reception Ues CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301560](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301560.zip) Notification and RRC state transition for multicast reception in RRC\_INACTIVE Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301587](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301587.zip) Notification and RRC state transition aspects on multicast reception in RRC INACTIVE Kyocera discussion Rel-18 [R2-2212521](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212521.zip)

[R2-2301594](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301594.zip) Session state change for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

[R2-2301674](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301674.zip) Group Paging and Multicast session received in RRC\_INACTIVE Sharp discussion

[R2-2301692](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301692.zip) Considerations on the notification and RRC transitions for the multicast reception in RRC\_INACTIVE state Beijing Xiaomi Software Tech discussion Rel-18

[R2-2301844](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301844.zip) Multicast session status change notification ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh

#### 8.11.2.3 Other

Other aspects related to multicast reception in RRC\_INACTIVE, not covered by 8.11.2.1 or 8.11.2.2

[R2-2301038](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301038.zip) Available multicast CFR in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18

[R2-2301070](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301070.zip) Ensuring desired level of reliability for an MBS session in RRC\_INACTIVE InterDigital Inc. discussion Rel-18 NR\_MBS\_enh-Core

*Moved from 8.11.2.2*

### 8.11.3 Shared processing for MBS broadcast and Unicast reception

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]

[R2-2300101](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300101.zip) Discussion on support of FTA in NR OPPO discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300180](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300180.zip) Discussion on Shared processing for MBS broadcast and Unicast reception CATT, CBN discussion NR\_MBS\_enh-Core

[R2-2300285](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300285.zip) Simultaneous unicast reception and MBS broadcast reception TD Tech, Chengdu TD Tech discussion Rel-18

[R2-2300288](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300288.zip) Discussion on broadcast coexistence and signaling enhancement MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300334](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300334.zip) Shared processing for MBS broadcast and unicast reception Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300527](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300527.zip) Shared processing for MBS broadcast and unicast reception Samsung R&D Institute India discussion Rel-18

[R2-2300683](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300683.zip) Discussion on shared process for MBS broadcast and unicast NEC Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2300737](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300737.zip) Shared processing of MBS broadcast and unicast reception Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301164](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301164.zip) Discussion on shared processing for MBS broadcast and unicast reception Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301207](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301207.zip) MBS broadcast and unicast reception with shared resources Ericsson discussion Rel-18 NR\_MBS\_enh-Core R2-2210716

[R2-2301561](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301561.zip) Shared processing for simultaneous MBS broadcast and Unicast reception Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301581](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301581.zip) Discussion on shared processing for MBS broadcast and Unicast reception CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301588](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301588.zip) Shared processing for inter-PLMN MBS broadcast reception Kyocera discussion Rel-18 [R2-2212522](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212522.zip)

[R2-2301702](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301702.zip) Remaining issues for shared processing of MBS Xiaomi discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301753](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301753.zip) Bandwidth signalling for shared processing Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2301845](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301845.zip) Signaling framework for broadcast and unicast shared processing ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh

## 8.12 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: 2 tdocs

### 8.12.1 Organizational

Ls in Rapporteur input etc

LS in

[R2-2300034](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300034.zip) LS on static and dynamic TAC solutions for mobile IAB node (R3-226831; contact: ZTE) RAN3 LS in Rel-18 NR\_mobile\_IAB To:RAN2, SA2

* noted

[R2-2300070](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300070.zip) Reply LS on FS\_VMR solutions review (S2-2211437; contact: Qualcomm) SA2 LS in Rel-18 FS\_VMR To: RAN3, RAN2 Cc: RAN4, RAN

- ZTE note that CAG will be used for UE accessCan we also take CAG into account.

- LGE think that this is an existing mechanism, we dont need to make a new one

* noted

Work Plan

[R2-2300636](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300636.zip) Workplan for Rel-18 mobile IAB Qualcomm Inc. (Rapporteur) Work Plan Rel-18 NR\_mobile\_IAB

* noted

### 8.12.2 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]

mIAB indicator UE to Network

[R2-2300637](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300637.zip) Enhancements for IAB-node mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

- LGE think SA2 has indicted that this is for initial registration. Is it sufficient with NAS or do we need this in RRC.

- ZTE think this should be sent in Msg5. Think that this is useful for GNB for AMF selection.

- Huawei think this aspect is not yet clear, suggest to wait. Nokia agree with HW.

- QC think that if this is not clear then we should send an LS.

CB towards end of the week. Allow check with SA2 colleges.

- QC think from SA2 this is not crystal clear but needing this is a safe assumption.

- vivo think we should wait

* Postponed, AMF selection in the base-station is a Ran3 function, Ran2 expect RAN3 to ask for it if support for this is needed

mIAB cell type ind

[R2-2301613](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301613.zip) Idle mode mobility for mIAB-MT and UE, and miscellaneous issue LG Electronics Inc. discussion

[R2-2301301](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301301.zip) Discussion on mobility enhancements for mIAB node Ericsson discussion Rel-18

[R2-2300437](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300437.zip) Mobility Enhancement of mobile IAB-node and served UEs Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

* 3 noted

DISCUSSION

- Xiaomi think this is useful in general.

- Chair think any onboard determination.

- HW think we can allow UE behaviours but not specify in detail.

- Nokia think this bit is useful but behaviour doesn’t need to be specified.

- Apple also think this is useful.

LGEP4

- Apple support P4, useful to use may. ZTE agrees.

- QC think we may need to do interfreq reselection for on-board UEs. Xiaomi agrees.

- HW think we need cell prioritization.

- ZTE think the UE may not be triggered to do interfreq measurements.

- QC think for interfreq we just use legacy behavior.

- IDT think cell prio is more useful.

- Apple think that for intra-freq we need to keep the best cell principle, so it is most important to prioritize correctly wrt frequency.

- KDDI wonder if we have another solution for legacy UEs.

- Ericsson think that as long as signal strength are above threshold then UE should stay on mIAB cell.

- Chair: The proponents of cell level prioritization in interfreq jcell reselection need to explain what is the intended difference

LGEP5

- LGE think this can be with or without assistance info.

- Ericsson request to not make this a WA

* Working Assumption: support to have UE prioritization in cell reselection for mIAB cell(s), at least for inter-frequency cell-reselection.
* FFS if UE search and measure for mIAB cells on different frequencies is unspecified (autonomous search), FFS if such search can be done without assistance frequency information.

[R2-2300643](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300643.zip) Usage of “Supporting mobile-IAB” indication for cell reselection SHARP Corporation discussion Rel-18

[R2-2301103](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301103.zip) Mobile IAB cell indication to UE behaviour Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2301419](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301419.zip) Mobile IAB cell type for UE cell selection and reselection Beijing Xiaomi Mobile Software discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2301065](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301065.zip) On IAB node mobility state and associated UE behavior InterDigital Inc. discussion Rel-18 NR\_mobile\_IAB-Core

Connected mode mobility

[R2-2300710](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300710.zip) CONNECTED mobility enhancement in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300807](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300807.zip) mIAB mobility enhancement aspects Samsung Electronics Romania discussion

[R2-2301614](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301614.zip) Connected mode mobility enhancements for onboard UEs LG Electronics Inc. discussion

[R2-2301633](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301633.zip) Enhancements for IAB-node mobility and onboard Ues AT&T discussion

General

[R2-2300305](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300305.zip) Mobile IAB mobility-related issues and enhancements Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300359](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300359.zip) Mobile IAB mobility enhancement and interference mitigation Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300711](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300711.zip) Cell (re)selection and RNAU in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300823](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300823.zip) Enhancements for mobility of IAB-node together with Ues CATT discussion Rel-18 NR\_mobile\_IAB

[R2-2300844](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300844.zip) Discussion on mobility enhancements for mobile IAB NEC Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300901](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300901.zip) Discussion on mIAB mobility Enhacement vivo discussion Rel-18

[R2-2300952](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300952.zip) Mobility enhancements for mobile IAB-node and its served UE Lenovo discussion Rel-18

[R2-2301078](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301078.zip) Discussion on mobility enhancement ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2301589](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301589.zip) Mobility enhancements for mobile IAB Kyocera discussion Rel-18 [R2-2212523](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212523.zip)

### 8.12.3 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].

TAC RANAC

[R2-2301079](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301079.zip) Discussion on TAC and RNAC configuration of mobile IAB ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

Moved from 8.12.1

P2

- Ericsson are ok, but think TAC from Iab nodes serving cell (parent cell) should be used.

- ZTE think that for UEs not capable of CAG, the network may use the forbidden TA.

- LGE think F1 signalling is more logical, why RRC. ZTE think this requires more specification. ZTE is making a good point.

- QC think TAC is now managed by OAM.

- Chair: outcome of initial RAN2 discussion: RAN3 need to decide the new functionality of the network to change TAC dynamically before RAN2 can discuss (if RAN2 discussion is needed).

* noted

[R2-2300824](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300824.zip) Other aspects for mobile IAB CATT discussion Rel-18 NR\_mobile\_IAB

[R2-2301302](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301302.zip) Discussion on SA2 and migration aspects for mobile IAB Ericsson discussion Rel-18

[R2-2300306](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300306.zip) Mobile IAB TAC/RANAC issues Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2300438](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300438.zip) TAC/RANAC update of mIAB-node Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2301194](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301194.zip) TAC handling for mIAB Samsung R&D Institute UK discussion

BAP impact

[R2-2300360](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300360.zip) BAP open issues due to the DU migration (two logical DUs) in mobile IAB Huawei, Qualcomm Incorporate, LG Electronics, Intel Corporation, Lenovo, Apple, ZTE, vivo, Nokia, Nokia Shanghai Bell, Ericsson, Samsung discussion Rel-18 NR\_mobile\_IAB-Core

* For the upstream data handling at the BAP of mobile IAB MT, one common default BAP configuration to be used by both logical DUs is the baseline. RAN2 to further discuss the need of using logical-DU-specific default BAP configuration (e.g. when the two logical DUs use different donor-DUs).
* For the upstream data handling at the BAP of mobile IAB MT, RAN2 assume that the F1AP BAP configuration for each logical DU should be configured/controlled by the DU’s respective donor-CU via the corresponding F1AP connection (To be confirmed by RAN3).
* For the downstream data handling arriving at the mobile IAB node, RAN2 assume upper layers (e.g. IP layer) can differentiate the data to different logical DUs based on e.g. the IP address, i.e. no need to introduce logical-DU-specific BAP address. (To be confirmed by RAN3).

[R2-2300953](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300953.zip) Discussion on BAP handling during mobile IAB-DU migration Lenovo discussion Rel-18

Other

[R2-2300668](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300668.zip) Impacts of PCI changes for IDLE/INACTIVE UE SHARP Corporation discussion Rel-18

[R2-2301100](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301100.zip) PCI collision in mobile IAB Sony discussion Rel-18 NR\_mobile\_IAB

## 8.13 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

### 8.13.1 Organizational

Ls in Rapporteur input.

[R2-2300026](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300026.zip) LS on user consent of Non-public Network (R3-226006; contact: ZTE) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core SA3 Cc:RAN2, SA5

[R2-2300031](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300031.zip) Response LS on Possibility on LBT-FailureRecoveryConfig (R3-226809; contact: Nokia) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

### 8.13.2 MRO for inter-system handover for voice fallback

Will not be treated in #121

[R2-2301274](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301274.zip) MRO for inter-system handover for voice fallback Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

### 8.13.3 MDT override

[R2-2300293](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300293.zip) Consideration on Inter-RAT Signaling Based Logged MDT Override Protection CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300716](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300716.zip) On MDT override protection Apple discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301001](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301001.zip) Signalling based logged MDT override protection Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301144](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301144.zip) Consideration on MDT override issues ZTE Corporation, Sanechips discussion Rel-18

[R2-2301192](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301192.zip) Inter-RAT signaling based logged MDT override protection Samsung discussion

[R2-2301275](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301275.zip) MDT enhancements Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301420](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301420.zip) Signalling based logged MDT override protection Qualcomm Incorporated discussion Rel-18

[R2-2301570](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301570.zip) Discussion on the inter-system signalling based MDT override protection Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301631](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301631.zip) Considerations on the signaling based logged MDT override protection for E-UTRAN Beijing Xiaomi Software Tech discussion Rel-18

### 8.13.4 SHR and SPCR

Focus on UE impacts..

[R2-2300294](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300294.zip) Discussion on inter-RAT SHR and SPR CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300681](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300681.zip) Remaining issues on SON for SPR vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2300954](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300954.zip) Successful Handover Report for inter-RAT HO Lenovo discussion Rel-18

[R2-2300955](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300955.zip) SON enhancements for SPR Lenovo discussion Rel-18

[R2-2301002](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301002.zip) SPR content enhancements Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301003](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301003.zip) SPR and SHR generation and reporting Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301044](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301044.zip) Discussion on SHR and SPCR Xiaomi discussion Rel-18

[R2-2301145](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301145.zip) Consideration on SHR and SPR ZTE Corporation, Sanechips discussion Rel-18

[R2-2301195](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301195.zip) SON/MDT enhancements for SHR and SPCR Samsung discussion

[R2-2301276](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301276.zip) SPR and SHR enhancements Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301421](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301421.zip) Discussion on SHR for inter-RAT handover and successful PSCell change reporting Qualcomm Incorporated discussion Rel-18

[R2-2301557](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301557.zip) Discussion on successful PSCell change report Sharp discussion

[R2-2301571](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301571.zip) Discussion on SHR and SPR Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301763](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301763.zip) Discussion on SPR NTT DOCOMO, INC. discussion Rel-18

### 8.13.5 SON for NR-U

Focus on UE impacts. RAN2/RAN3 progress should be considered.

[R2-2300295](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300295.zip) SON Enhancement for NR-U CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300956](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300956.zip) Discussion on MRO for NR-U Lenovo discussion Rel-18

[R2-2301004](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301004.zip) Discussion on storing LBT-FailureRecoveryConfig (Reply LS in [R2-2300031](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300031.zip)) Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301045](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301045.zip) Discussion on SON for NR-U Xiaomi discussion Rel-18

[R2-2301146](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301146.zip) Consideration on NR-U related SON ZTE Corporation, Sanechips discussion Rel-18

[R2-2301213](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301213.zip) SON/MDT enhancements for NR-U Samsung discussion

[R2-2301264](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301264.zip) SONMDT enhancement for NR-U CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301277](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301277.zip) Enhancements of SON reports for NR-U Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301422](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301422.zip) Discussion on NR-U Related Enhancements Qualcomm Incorporated discussion Rel-18

[R2-2301572](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301572.zip) Discussion on SON for NR-U Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 8.13.6 RACH enhancement

Only address “FFS on whether and which PSCell identity UE should report outside the RACH report.”

[R2-2300296](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300296.zip) RACH enhancement for SON CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300717](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300717.zip) Remaining issues of SON enhancements for RACH Apple discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300957](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300957.zip) Enhancements for SN RACH report Lenovo discussion Rel-18

[R2-2301147](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301147.zip) Consideration on RACH enhancements ZTE Corporation, Sanechips discussion Rel-18

[R2-2301214](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301214.zip) SN RACH Report for EN-DC/NG-EN-DC Samsung discussion

[R2-2301278](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301278.zip) RA report enhancement Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301424](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301424.zip) On SgNB RACH report for MR-DC scenario Qualcomm Incorporated discussion Rel-18

[R2-2301573](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301573.zip) Discussion on RACH enhancement Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301582](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301582.zip) Further Consideration on RACH Enhancement CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301635](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301635.zip) Discussion on the SON/MDT enhancement for RACH report Beijing Xiaomi Software Tech discussion Rel-18

[R2-2301812](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301812.zip) Discussion on RACH enhancements China Telecom discussion

R2-2301923 Pre-meeting summary of 8.13.6 Huawei discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 8.13.7 SON/MDT enhancements for Non-Public Networks

Will not be treated in #121

[R2-2301265](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301265.zip) SONMDT enhancement for NPN CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 8.13.8 Other

Selection of one or more paper for discussion. Focus on “Fast MCG recovery” and “MRO for CPAC”

[R2-2300297](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300297.zip) Considerations on MRO about Fast MCG recovery Enhancement CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300298](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300298.zip) Discussion on SONMDT Enhancements for CPAC CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2300682](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300682.zip) Discussion on MRO for CPAC vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2300958](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300958.zip) MRO for fast MCG link recovery Lenovo discussion Rel-18

[R2-2300959](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300959.zip) SON enhancements for CPAC Lenovo discussion Rel-18

[R2-2301005](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301005.zip) MRO enhancements for Fast MCG recovery and for MR-DC CPAC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301006](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301006.zip) RA report retrieval Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301148](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301148.zip) Remaining issues on fast MCG recovery ZTE Corporation, Sanechips discussion Rel-18

[R2-2301149](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301149.zip) Consideration on MRO for CPAC ZTE Corporation, Sanechips discussion Rel-18

[R2-2301193](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301193.zip) SON/MDT enhancements for Fast MCG Recovery and CPAC MRO Samsung discussion

[R2-2301279](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301279.zip) MRO for SCG failure and fast MCG recovery optimization Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301425](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301425.zip) Discussion on fast MCG Recovery Failure Qualcomm Incorporated discussion Rel-18

[R2-2301565](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301565.zip) SON enhancement on fast MCG recovery Sharp discussion

[R2-2301566](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301566.zip) Discussion on failure information for CPAC Sharp discussion

[R2-2301574](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301574.zip) Discussion on Fast MCG recovery Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301575](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301575.zip) Discussion on MRO for CPAC Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301583](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301583.zip) Further considerations on fast MCG recovery CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301584](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301584.zip) MHI Enhancement for SCG Activation/Deactivation CMCC,Ericsson, CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301585](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301585.zip) SON MDT enhancement for MR-DC CPAC CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301775](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301775.zip) Discussion on CPAC failure report NTT DOCOMO, INC. discussion Rel-18

[R2-2301811](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301811.zip) SON on fast MCG recovery OPPO discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2301833](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301833.zip) Further steps on MRO for MR-DC SCGFailureInformation Samsung, Lenovo discussion

[R2-2301856](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301856.zip) Discussion of SON on MR-DC CPAC OPPO discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

## 8.14 Enhancement on NR QoE management and optimizations for diverse services

(NR\_QoE\_enh-Core; leading WG: RAN3; REL-18; WID: RP-223488)

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 8.14.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan

[R2-2300085](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300085.zip) Reply LS to RAN3 on RAN visible QoE value (S4-221604; contact: Qualcomm) SA4 LS in Rel-18 NR\_QoE\_enh-Core To:RAN3, ITU-T SG12 Cc:RAN2, SA5

[R2-2300091](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300091.zip) LS/r on RAN visible QoE value (reply to 3GPP-LS8) (SG12-LS29; contact: Ericsson) ITU-T SG12 LS in Rel-18 NR\_QoE\_enh-Core To:SA4, SA5, RAN2, RAN3

[R2-2301335](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301335.zip) Running CR for QoE measurements Ericsson draftCR Rel-18 38.331 17.3.0 NR\_QoE\_enh-Core

[R2-2301754](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301754.zip) Revised Work plan for Rel-18 NR QoE Enhancement China Unicom Work Plan Rel-18 NR\_QoE\_enh-Core

[R2-2300194](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300194.zip)0 Reply LS on QoE measurements in RRC IDLE/INACTIVE states (S4-230369; contact: Huawei) SA4 LS in Rel-18 NR\_QoE\_enh-Core To:RAN2 Cc:RAN3, SA5

### 8.14.2 QoE measurements in RRC\_IDLE INACTIVE

including discussion on RRC configuration of QoE measurements in RRC\_IDLE/INACTIVE for MBS broadcast services, e.g. how can the configuration be given, how does gNB know which UEs can be configured, how is the area scope handled, how long does UE retain the QoE configuration in IDLE/INACTIVE, what are the UE memory requirements for MBS QoE reporting, etc.

[R2-2300330](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300330.zip) Discussion on support of QoE measurements in RRC\_IDLE and RRC\_INACTIVE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300353](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300353.zip) Further discussion on QoE measurement in IDLE and INACTIVE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300602](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300602.zip) Discussion on QoE measurements for MBS broadcast services Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300719](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300719.zip) QoE Measurements Collection in IDLE/INACTIVE States Apple discussion NR\_QoE\_enh-Core

[R2-2301014](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301014.zip) QoE for IDLE and Inactive state Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2301246](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301246.zip) Discussion on QMC in RRC\_IDLE and RRC\_INACTIVE CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301336](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301336.zip) QoE measurements in RRC\_INACTIVE and RRC\_IDLE Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301638](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301638.zip) Discussion on QoE measurement in RRC\_IDLE and RRC\_INACTIVE Samsung discussion Rel-18

[R2-2301662](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301662.zip) Discussion on QoE measurements for NR MBS Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301757](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301757.zip) Discussion on QoE measurements in RRC\_IDLE and INACTIVE states China Unicom discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301800](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301800.zip) Discussion on QoE measurements in RRC IDLE and INACTIVE state CATT discussion Rel-18 NR\_QoE\_enh-Core

=> Revised in [R2-2301894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301894.zip)

[R2-2301894](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301894.zip) Discussion on QoE measurements in RRC IDLE and INACTIVE state CATT discussion Rel-18 NR\_QoE\_enh-Core

### 8.14.3 Rel-17 leftover topics for QoE

Including discussion on Rel-17 leftover topics as agreed in RAN2#119bis-e.

[R2-2300332](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300332.zip) Discussion on Rel-17 leftover topics for QoE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300354](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300354.zip) Further discussion on Rel-17 leftover issues for QoE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300601](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300601.zip) Discussion on event-based RAN visible QoE Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300720](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300720.zip) Views on Leftover Issues of Rel-17 QoE Apple discussion NR\_QoE\_enh-Core

[R2-2300988](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300988.zip) Discussion on event-based RVQoE report NEC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301016](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301016.zip) Discussion on Rel-17 leftover issues Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2301247](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301247.zip) Discussion on QoE reporting enhancement for overload scenrio CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301338](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301338.zip) QoE rel-17 leftovers Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301639](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301639.zip) Discussion on event-based RAN visible QoE report Samsung discussion Rel-18

[R2-2301663](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301663.zip) QMC enhancements for RAN visible QoE and RAN overload Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301801](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301801.zip) Discussion on Rel-17 leftover topics for QoE CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301816](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301816.zip) Considerations on QoE Rel-17 leftover issues China Telecom discussion

### 8.14.4 Support of QoE measurements for NR-DC

Including discussion on support of QoE measurements for NR-DC, e.g. MN-SN coordination, bearer handling for SN QoE reporting, etc.

[R2-2300331](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300331.zip) Discussion on support of QoE measurements for NR-DC Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300355](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300355.zip) Further discussion on QoE measurement for NR-DC ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300600](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300600.zip) Discussion on QoE measurements in NR-DC Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300721](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300721.zip) QoE Reporting for NR-DC Apple discussion NR\_QoE\_enh-Core

[R2-2301015](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301015.zip) RAN2 issues to support QoE collection in NR-DC Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2301337](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301337.zip) QoE measurements in NR-DC Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301640](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301640.zip) Discussion on QoE measurement for NR-DC Samsung discussion Rel-18

[R2-2301664](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301664.zip) QMC support in NR-DC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301758](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301758.zip) Discussion on QoE configuration and reporting for NR-DC China Unicom discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301802](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301802.zip) Discussion on support of QoE measurement for NR-DC CATT discussion Rel-18 NR\_QoE\_enh-Core

### 8.14.5 Other topics

Includindg 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).

[R2-2300356](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300356.zip) Discussion on Rel-18 other QoE enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300603](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300603.zip) QoE continuity between LTE-5GC and NR Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300631](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300631.zip) Discussion on QoE measurement during intra-5GC inter-RAT handover Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2300722](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300722.zip) QoE Continuity During Intra-5GC Inter-RAT Handover Apple discussion NR\_QoE\_enh-Core

[R2-2301339](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301339.zip) QoE measurements at IRAT handover Ericsson discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301641](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301641.zip) Discussion on QoE measurement continuity during inter-RAT handover Samsung discussion Rel-18

[R2-2301665](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301665.zip) On QoE continuity during inter-RAT handover Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301756](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301756.zip) Discussion on the QoE continuity during intra-5GC inter-RAT HO China Unicom discussion Rel-18 NR\_QoE\_enh-Core

[R2-2301803](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301803.zip) Discussion on the continuity of QoE measurement CATT discussion Rel-18 NR\_QoE\_enh-Core

## 8.15 NR Sidelink evolution

(NR\_SL\_enh2; leading WG: RAN1; REL-18; WID: RP-222806)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

Note some agenda item(s) may use pre-meeting discussion based on a summary document.

### 8.15.1 Organizational

Incoming LS and rapporteur inputs.

[R2-2300135](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300135.zip) Work plan of R18 SL-Evo OPPO, LG Work Plan Rel-18 NR\_SL\_enh2

### 8.15.2 SL-U

Including further updates/details on CAPC, consistent LBT failure, SL DRX impact, CG impact, other MAC impacts (COT sharing, SL resource (re)selection, etc.). Note making a progress on the issues we already discussed last meeting is prioritized.

[R2-2300119](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300119.zip) Remaining issues on CAPC for SL-U Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2300120](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300120.zip) Further discussin on SL-U Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2300126](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300126.zip) Discussion on remaining issues in SL-U OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2300136](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300136.zip) Discussion on LBT impact in SL-U OPPO, MediaTek Inc., Intel discussion Rel-18 NR\_SL\_enh2

[R2-2300339](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300339.zip) Discussion on SL LBT failure for UE in RRC idle/inactive/OOC state SHARP Corporation discussion NR\_SL\_enh2

[R2-2300342](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300342.zip) Remaining issues on RAN2 aspects for SL-U vivo discussion

[R2-2300343](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300343.zip) Discussion on remaining issues for CAPC in SL-U vivo discussion

[R2-2300499](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300499.zip) Discussion on other MAC impacts for NR SL-U Lenovo discussion Rel-18 NR\_SL\_enh2-Core

[R2-2300519](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300519.zip) Aspects of channel access mechanisms Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2300520](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300520.zip) CAPC table and MAC multiplex rules Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2300615](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300615.zip) Further discussion on CAPC for SL-U Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2300616](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300616.zip) On SL-LBT aspects Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2300622](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300622.zip) CAPC and COT sharing for SL Unlicensed InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2300623](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300623.zip) LBT Failure for SL Unlicensed InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2300624](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300624.zip) Configured Grants for SL Unlicensed InterDigital discussion Rel-18 NR\_SL\_enh2

[R2-2300645](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300645.zip) Remaining issues on channel access priority in SL-U Spreadtrum Communications discussion Rel-18

[R2-2300646](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300646.zip) Consistent LBT failure handling for SL-U Spreadtrum Communications discussion Rel-18

[R2-2300669](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300669.zip) Consideration on CAPC for SL-U CATT discussion Rel-18 NR\_SL\_enh2

[R2-2300670](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300670.zip) Further Discussion on LBT CATT discussion Rel-18 NR\_SL\_enh2

[R2-2300705](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300705.zip) Discussion on remaining issues of CAPC in SL-U Apple discussion Rel-18 NR\_SL\_enh2

[R2-2300706](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300706.zip) Further discussion on MAC impacts due to LBT and COT sharing in SL-U Apple discussion Rel-18 NR\_SL\_enh2

[R2-2300840](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300840.zip) Discussion on channel access for sidelink operation on unlicensed spectrum Xiaomi discussion

[R2-2300841](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300841.zip) Discussion on LBT for sidelink operation on unlicensed spectrum Xiaomi discussion

[R2-2300915](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300915.zip) Discussion on MAC related aspects for SL-U ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2300916](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300916.zip) Discussion on CAPC in SL-U ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2300970](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300970.zip) Remaining issue of channel access priority for NR SL-U Lenovo discussion Rel-18

[R2-2300971](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300971.zip) Discussion on LBT impact to MAC for NR SL-U Lenovo discussion Rel-18

[R2-2300989](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300989.zip) LBT failure detection and recovery procedure for SL-U NEC discussion Rel-18 NR\_SL\_enh2

[R2-2300994](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300994.zip) Discussion on sidelink un-licensed ITL discussion Rel-18

[R2-2301356](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301356.zip) Considerations on consistent LBT failure and HARQ procedure Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2

[R2-2301357](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301357.zip) On Sidelink DRX and remaining CPAC issues Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2

[R2-2301462](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301462.zip) Considerations on resource allocation for SL-U Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh2 [R2-2212406](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212406.zip)

[R2-2301474](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301474.zip) Remaining SL CAPC issues Samsung Research America discussion Rel-18 NR\_SL\_enh2

[R2-2301475](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301475.zip) SL resource allocation Samsung Research America discussion Rel-18 NR\_SL\_enh2

[R2-2301542](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301542.zip) Discussion on SL-U ASUSTeK discussion Rel-18 NR\_SL\_enh2

[R2-2301700](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301700.zip) Discussion on sidelink unlicensed Qualcomm India Pvt Ltd discussion

[R2-2301705](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301705.zip) Discussion on sidelink CAPC Qualcomm India Pvt Ltd discussion

[R2-2301719](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301719.zip) Discussion on RAN2 aspects on SL-U LG Electronics France discussion Rel-17 38.321 NR\_SL\_enh2

[R2-2301722](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301722.zip) LBT impact to SL-U MediaTek Inc. discussion Rel-18

[R2-2301723](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301723.zip) Channel Access Priority Classes for SL-U MediaTek Inc. discussion Rel-18

### 8.15.3 SL-FR2

To see company’s initial view on RAN2 scopes (e.g. identify RAN2 scopes, relation to RAN1 discussion, etc.). Note this agenda item may not be handled during the meeting (e.g. due to lack of time, premature RAN1 progress, etc.).

[R2-2300127](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300127.zip) Discussion on SL-FR2 impact OPPO discussion Rel-18 NR\_SL\_enh2

[R2-2300394](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300394.zip) Discussion on SL-FR2 impact to RAN2 Xiaomi discussion

[R2-2300489](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300489.zip) Discussion on SL-FR2 Huawei, HiSilicon discussion Rel-18 NR\_SL\_enh2

[R2-2300521](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300521.zip) SL in FR2 Ericsson discussion Rel-18 NR\_SL\_enh2

[R2-2300617](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300617.zip) On FR-2 aspects for SL-U Intel Corporation discussion Rel-18 NR\_SL\_enh2

[R2-2300671](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300671.zip) Discussion on Sidelink Operation on FR2 CATT discussion Rel-18 NR\_SL\_enh2

[R2-2300707](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300707.zip) Discussion on RAN2 work of SL FR2 Apple discussion Rel-18 NR\_SL\_enh2

[R2-2300917](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300917.zip) Initial consideration on sidelink FR2 ZTE Corporation, Sanechips discussion Rel-18 NR\_SL\_enh2

[R2-2301374](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301374.zip) Discussion on RAN2 aspects for FR2 licensed spectrum vivo discussion Rel-18

[R2-2301701](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301701.zip) Discussion on Sidelink FR2 Qualcomm India Pvt Ltd discussion

[R2-2301720](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301720.zip) Discussion on RAN2 aspects on SL-FR2 LG Electronics France discussion Rel-18 NR\_SL\_enh2

[R2-2301887](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301887.zip) RAN2 Aspects of NR Sidelink Operation in FR2 Fraunhofer IIS, Fraunhofer HHI discussion Rel-18 NR\_SL\_enh2

## 8.16 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: 2 tdocs

Technical input will be prioritized, Organizational aspects may not be treated.

### 8.16.1 Organizational

LS ins. Rapporteur input.

### 8.16.2 AIML methods

Explore AIML methods that are expected applicable to this SI and their expected or potential architecture (allocation of functionality to entities), Identification of Models, other framework aspects, impact on RAN2 and in general.

Data Collection

[R2-2301440](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301440.zip) Outcome of [Post120][054][AIML18] Data Collection Ericsson, vivo discussion Rel-18 FS\_NR\_AIML\_air

*Proposal 1 RAN2 to simultaneously focus on studying data collection solutions for both NW- and UE-sided AIML models, including assistance signalling and (dataset) reporting from the concerning entity.*

*Proposal 2 Study RAN2 implications of data collection for all concerning LCM purpose, e.g., model training/monitoring/selection/update/inference/etc.*

*Proposal 3 RAN2 to separately analyse the data collection requirements and solutions for the different LCM purposes. FFS if general frameworks/solutions could be adopted.*

*Proposal 4 Wait for RAN1 requirements before discussing specific data collection solutions for use cases and for the related (LCM) procedures. In the meantime, RAN2 can summarize the implementation of existing frameworks while focusing on different performance metrics.*

*Proposal 5 When summarizing the different data collection frameworks, RAN2 can start by considering the following metrics: a) the content of the data, b) the data size, c) latency and periodicity, d) signalling, entities involved, and configuration aspects. FFS on how to handle security/privacy.*

*Proposal 6 Consider the following existing frameworks as starting points to be considered for data collection: SON & MDT, UE assistance information, RRM measurement reports, CSI reporting framework, LPP Provide location information. FFS whether other frameworks should be discussed.*

*Proposal 7 Upon receiving specific (RAN1) requirements, RAN2 to decide whether the existing frameworks can be reused/extended, or whether a new framework is required.*

*Proposal 8 For data collection, RAN2 will simply keep progressing and will inform of concerning agreements to RAN1 when necessary.*

DISCUSSION

- QC don’t want to agree to P6, has concerns on SON and MDT.

- QC think we assess usefulness of methods for each relevant LCM task, also outside RAN2.

- IDT would be ok with the proposals think we start with the closest ones

- vivo think we should not spend time on these.

- Nokia think that methods not in RAN2 scope shall not be in scope.

* P1-P8 are loosely endorsed with the understanding that we can also go beyond, e.g. analyse other methods.

[R2-2300708](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300708.zip) Open issues on AI/ML model delivery and data collection in post-meeting email discussion Apple discussion Rel-18 FS\_NR\_AIML\_air

- QC think we need the requirement.

* The table in this doc is endorsed as starting point

Offline 025 (Apple) progress the table of methods and characteristics. Aim to endorse.

[R2-2302286](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302286.zip) Summary of [AT121][025]: Progress table of analyzing data collection framework (Apple) Apple

- Nokia think that the payload could be complemented, same for most rows

- QC think R1 is defining the content to be collected.

- QC think this is ok as starting point.

- QC think we could include purpose, and analyse.

- MTK think this is ok as starting point, agree that next step to evaluate for different purposes.

- OPPO think this is a good starting point.

- Xiaomi think this is a good starting point.

- Chair think RRC support segmentation so that limit may be less significant.

- vivo think anyway we need R1 input and we anyway need to evaluate these options

- Ericsson think we should start break down LCM ..

- Chair think we can add more detail later and think judgement may not be by detailed number comparing.

- ZTE agrees we don’t need to refine now ..

- Samsung understands that more parameters will be added.

* Endorse the table as a starting point (e.g. can add more columns if needed later, modify, add rows etc). Content shall be interpreted as current content.

- QC proposes a structure in the document, Samsung think this is ok, Ericsson think we may need to know more. MTK support QC proposal, think R1 should focus on what kind of data to be collected.

- OPPO think we may cause misalignment with R1, ZTE agrees.

- vivo are not against QC table, but want requirements for R1 ..

* Chair: There is significant support to aim for evaluating the data collection methods per LCM purpose

[R2-2300418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300418.zip) Analysis on data collection framework for AI/ML air interface Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300097.zip) Initial Consideration on Data Collection for AIML OPPO discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301055](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301055.zip) Data collection for AI/ML InterDigital Inc. discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301107.zip) Data collection for AI/ML Samsung Electronics Nordic AB discussion

[R2-2301769](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301769.zip) Data Collection LG Electronics discussion Rel-18

[R2-2301787](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301787.zip) Further Considerations on Data Collection ZTE Corporation,Sanechips discussion Rel-18 FS\_NR\_AIML\_air

Model Transfer

[R2-2301576](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301576.zip) Report of [Post120][053][AIML18] model transfer delivery (Huawei) Huawei report Rel-18 FS\_NR\_AIML\_air

P5/P6

- ZTE think that P6 cannot be agreed, think there are real time req that prevents this.

- IDT think this is a good start. Lenovo agrees. LGE also thin k it can be a baseline ..

- CMCC think we need a method to transfer from OAM. Nokia absolutely don’t want this and think SA5 shall not be involved. Chair think R2 do not intend to involve SA5 at current immature stage ..

-

* We Use the wording “model transfer/delivery”
* model delivery that serves the use cases in the SI is within RAN2 scope, regardless other aspects.
* Agreed:

Aim to at least analyze the feasibility and benefits of model/transfer solutions based on the following:

Solution 1a: gNB can transfer/deliver AI/ML model(s) to UE via RRC signalling.

Solution 2a: CN (except LMF) can transfer/deliver AI/ML model(s) to UE via NAS signalling.

Solution 3a: LMF can transfer/deliver AI/ML model(s) to UE via LPP signalling.

Solution 1b: gNB can transfer/deliver AI/ML model(s) to UE via UP data.

Solution 2b: CN (except LMF) can transfer/deliver AI/ML model(s) to UE via UP data.

Solution 3b: LMF can transfer/deliver AI/ML model(s) to UE via UP data.

Solution 4: Server (e.g. OAM, OTT) can transfer/delivery AI/ML model(s) to UE (e.g. transparent to 3GPP).

**Table: relations between solutions and use cases**

|  |  |
| --- | --- |
| **Solutions** | **Applicable use cases** |
| Solution 1a, 1b | CSI feedback enhancement  Beam management  Note: No specific considerations for Positioning accuracy enhancement for Solution 1a and 1b. |
| Solution 2a, 2b | CSI feedback enhancement  Beam management  Note: No specific considerations for Positioning accuracy enhancement for Solution 2a and 2b. |
| Solution 3a, 3b | Positioning accuracy enhancement |
| Solution 4 | CSI feedback enhancement  Beam management  Positioning accuracy enhancement |

Note: the solutions use case relation is preliminary (work in progress), and the purpose is to have better understanding on what to further analyse

Offline 027 (Huawei) attempt a first round of capturing expected pros and cons of the listed solutons.

Chair think that in general, we may need to understand what issues are expected, e.g. Loosely Expect that time/latency from trigger to get a new model and until is downloaded and operational may be an issue, expect some other issue (in certain circumstances) and so on …

[R2-2302268](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302268.zip) Report of Offline 027 model transfer delivery (Huawei) Huawei

DISCUSSION

- Nokia think there are several references to “delta configuration” which we have not defined.

- Nokia think we cannot discuss pros and cons of solution 4.

- Samsung think some pros and cons are just missing .. and can be added.

- Apple think it is pre-mature to actually agree.

- QC think that option 4 is by default supported. MTK think this is not the case.

- Chair: there seems to be no consensus regarding the delta configuration aspect in the table

- Huawei think we should have a evaluation matrix.

- MTK think we should list the important issues.

* The table can serve as starting point for continued discussion (but contains some parts that seems non consensus, e.g. delta configuration).

Next Meeting

- OPPO propose to discuss function mapping. ZTE has some sympathy.

- QC think that for function mapping, there will not be a 1-to-1 mapping.

- Nokia think we should stick to tangible things.

- MTK support to discuss the architecture. Think otherwise we may miss the whole picture.

- Apple support that we should discuss this, as it impacts our other discussions on LCM ..

- vivo think we should focus on one use case.

[R2-2301770](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301770.zip) Model Transfer Delivery LG Electronics discussion Rel-18

[R2-2301788](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301788.zip) Further Considerations on AI Function Mapping and Model Transfer ZTE Corporation,Sanechips discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300253](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300253.zip) AIML Model transfer Requirements during Handover NEC discussion FS\_NR\_AIML\_air

[R2-2300257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300257.zip) On AI/ML model transfer over radio interface Dell Technologies discussion Rel-18

[R2-2300327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300327.zip) Discussion on AI/ML Model Transfer and Delivery Futurewei Technologies discussion

Model ID and UE cap

[R2-2300709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300709.zip) Discussion on RAN2 aspects of AI/ML model identification, LCM and capability Apple discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300096](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300096.zip) AIML Methods Discussion in General OPPO discussion Rel-18 FS\_NR\_AIML\_air

DISUSSION

- Apple support, and think this shall work between vendors. Think a local ID can be discussed later.

- QC support.

- TMO think we need to think of this from operator perspective. Need testing and certification regime, so any retraining results in a new variant. Need to be pretty global.

- LGE wonder if this model ID can contain operator or vendor ID.

- MTK wonder who assigns this and is it specified?

- QC point out that R1 has specified functionality based LCM .. IDT think e.g. function classification can be meta data and doesn’t need t be encoded in the mode ID.

* RAN2 assumes that Model ID is unique “globally”, e.g. in order to manage test certification each retrained version need to be identified.

[R2-2300374](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300374.zip) Model ID and Model Identification MediaTek Inc. discussion

[R2-2301101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301101.zip) Some considerations about CP/UP solution and model ID Sony discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301105.zip) AI/ML Capability Reporting Samsung Electronics Nordic AB discussion

General

[R2-2301427](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301427.zip) Discussion on AI/ML methods Qualcomm Incorporated discussion Rel-18

* R2 may consider including the existing EVEX framework for this SI, FFS exactly what this means, can discuss next meeting.

Chair comment: Companies, please do homework for next meeting, so we can discuss.

[R2-2300249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300249.zip) AIML Architecture Assumptions NEC discussion FS\_NR\_AIML\_air

[R2-2300289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300289.zip) Consideration on General Aspects of AIML for NR Air-interface CATT discussion FS\_NR\_AIML\_air

[R2-2300393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300393.zip) Discussion on AIML for NR air interface Xiaomi discussion

[R2-2300398](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300398.zip) AIML methods Nokia UK discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300417.zip) Discussion on life cycle management: RAN2 impact Intel Corporation discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300660](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300660.zip) Discussion on AIML methods Spreadtrum Communications discussion Rel-18

[R2-2300679](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300679.zip) Further discussion on AIML methods vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300806](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300806.zip) Discussion on RAN2 aspects for LCM MediaTek Inc. discussion

[R2-2300950](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300950.zip) General issues on AI for air interface Lenovo discussion Rel-18

[R2-2301033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301033.zip) Discussion on AIML methods for general aspects of AIML via air interface Fujitsu discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301256](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301256.zip) Discussion on AIML methods for NR air interface CMCC discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301441](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301441.zip) General aspects for AIML for NR air interface Ericsson discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301577.zip) Discussion on AIML methods Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301634.zip) Protocol aspects of AI/ML framework for NR air interface AT&T discussion

[R2-2301835](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301835.zip) Discussion on AIML methods TCL Communication Ltd. discussion

[R2-2301841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301841.zip) AI\_ML model life cycle management during RRC state transitions and mobility Rakuten Symphony discussion Rel-18

### 8.16.3 Use case specific aspects

Explore potential impact of the specific use cases, and the related AIML methods. Authors are asked to kindly structure subclauses, observations, proposals according to use case. Note that RAN2 is dependent on RAN1 progress to make detailed decisions.

[R2-2301578](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301578.zip) Discussion on use case specific aspects Huawei, HiSilicon discussion Rel-18 FS\_NR\_AIML\_air

- Nokia think we can break down the LCMs into subcases.

- Samsung think this we already agreed.

* noted

[R2-2301442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301442.zip) Use cases aspect for AIML for NR air interface Ericsson discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300399](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300399.zip) Use case specific aspects Nokia UK discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300290.zip) Consideration on the Use Case Specific AIML for NR Air-interface CATT discussion

[R2-2300661](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300661.zip) Discussion on use case specific aspects Spreadtrum Communications discussion Rel-18

[R2-2300680](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300680.zip) Consideration of procedure and signaling of CSI compression vivo discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300697](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300697.zip) Use case specific aspects InterDigital discussion Rel-18 FS\_NR\_AIML\_air

[R2-2300951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300951.zip) Discussion on AI for air interface use cases Lenovo discussion Rel-18

[R2-2301034](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301034.zip) Discussion on use case specific aspects of AIML via air interface Fujitsu discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301191.zip) Consideration on AI/ML for positioning accuracy enhancement Xiaomi discussion

[R2-2301257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301257.zip) Discussion on use case specific aspects for AIML for NR air interface CMCC discussion Rel-18 FS\_NR\_AIML\_air

[R2-2301429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301429.zip) Discussion on the use case specific aspects Qualcomm Incorporated discussion Rel-18

## 8.17 Dual Transmission/Reception (Tx/Rx) Multi-SIM for NR

(NR\_DualTxRx\_MUSIM-Core; leading WG: RAN2; REL-18; WID: RP-223492)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.17.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan)

[R2-2300902](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300902.zip) Work planning of R18 MUSIM vivo Work Plan Rel-18

### 8.17.2 Temporary capability restriction for MUSIM

Including report of email discussion [Post119bis-e][212][MUSIM] Rel-18 MUSIM solutions (Qualcomm/vivo)

Including additional discussion on the Rel-18 MUSIM solution details and analysis of their RAN3/RAN4 impacts.

[R2-2300098](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300098.zip) Scenarios Clarification for R18 MUSIM OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300099](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300099.zip) Initial Consideration on Temporary UE Capability Restriction OPPO discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300435](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300435.zip) Scenarios and requirements for capability restriction request for Rel-18 MUSIM Intel Corporation discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300436](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300436.zip) Signalling to indicate temporary capability reduction for Rel-18 MUSIM Intel Corporation discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300496](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300496.zip) Applicable scenarios for R18 MUSIM Huawei, HiSilicon discussion

[R2-2300498](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300498.zip) Solutions for MUSIM capability restriction removal of restriction Huawei, HiSilicon discussion

[R2-2300753](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300753.zip) Discussion on Temporary Capability Restriction for DualRx/DualTx MUSIM UEs Apple discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300773](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300773.zip) Report of [Post119bis-e][212][MUSIM] Rel-18 MUSIM solutions Qualcomm Incorporated, vivo report

[R2-2300816](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300816.zip) Discussion on temporary UE capability restriction for MUSIM MediaTek Inc. discussion

[R2-2300855](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300855.zip) RAN3 impact of temporary UE capability switching for MUSIM China Telecom discussion Rel-18 NR\_DualTxRx\_MUSIM

[R2-2300903](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300903.zip) Discussion on temporary capability restriction for Rel-18 Multi-SIM vivo discussion Rel-18

[R2-2300922](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300922.zip) Baseline signaling procedure for primary scenarios of Dual TX/RX MUSIM operation Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2300923](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300923.zip) Analysis on additional capability coordination scenarios for Dual TX/RX MUSIM operation Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2300969](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300969.zip) Consideration on dual Tx/Rx Multi-SIM Lenovo discussion Rel-18

[R2-2301116](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301116.zip) Capability sharing issue for SRS Tx switching capability Xiaomi discussion Rel-18 NR\_DualTxRx\_MUSIM-Core R2-2210060

[R2-2301117](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301117.zip) Discussion on the band conflicts for MUSIM Xiaomi discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301173](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301173.zip) UE Capability restriction for Dual-Active MUSIM China Telecommunications discussion Rel-18

[R2-2301428](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301428.zip) UE Capability Update for Dual-Active MUSIM Qualcomm Incorporated discussion

[R2-2301448](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301448.zip) Overall Dual-RX/TX MUSIM Solution Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301449](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301449.zip) Discussion on MUSIM gaps for a Dual-RX/Dual-TX UE Ericsson discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301543](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301543.zip) Discussion on Dual Tx/Rx Multi-SIM ASUSTeK discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301673](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301673.zip) Capability Restriction for eMUSIM Sharp discussion

[R2-2301709](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301709.zip) Consideration on the Temporary Capability Restriction ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301742](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301742.zip) General Solution for Rel-18 MUSIM LG Electronics discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301743](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301743.zip) LS on SCG Deactivation while Multi-SIM Operation LG Electronics LS out Rel-18 NR\_DualTxRx\_MUSIM-Core To:RAN4

=> Withdrawn

[R2-2301881](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301881.zip) Discussion on possible solutions for dual Rx/Tx MUSIM devices DENSO CORPORATION discussion NR\_DualTxRx\_MUSIM-Core

### 8.17.3 Other

Including any other aspects of dual Tx/Rx Multi-SIM.

[R2-2300517](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300517.zip) MUSIM Band Conflict Issue Handling Samsung R&D Institute India discussion Rel-18

[R2-2300754](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300754.zip) Discussion on Signaling solutions for Band Conflict Mitigation for DualRx/Dual Tx MUSIM UEs Apple discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2300904](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300904.zip) Discussion on MUSIM band conflict handling vivo discussion Rel-18

[R2-2301446](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301446.zip) Coordination of MUSIM gaps for NR-DC Qualcomm Incorporated discussion

[R2-2301710](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301710.zip) Consideration on the Scheduling Gap for the MR-DC ZTE Corporation, Sanechips discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301744](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301744.zip) Further Considerations for Rel-18 MUSIM LG Electronics discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

[R2-2301778](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301778.zip) Further discussion on MN-SN MUSIM gaps coordination Samsung Electronics Austria discussion Rel-18 NR\_DualTxRx\_MUSIM-Core

## 8.18 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: 1 tdoc

### 8.18.1 Organizational

LS ins. Rapporteur input.

### 8.18.2 General

*Contributions on support for paging-triggered SDT, including triggering and procedures.*

*Note: Data transmission in DL within paging message is not in scope of this WI.*

[R2-2300182](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300182.zip) Mobile Terminated Small Data Transmission Procedure in RRC\_INACTIVE state Samsung Electronics Co., Ltd discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300245](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300245.zip) Discussion on Supporting MT-SDT vivo Mobile Com. (Chongqing) discussion Rel-18 NR\_MT\_SDT-Core [R2-2211249](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2211249.zip)

[R2-2300337](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300337.zip) Discussion on paging triggered SDT SHARP Corporation discussion NR\_MT\_SDT-Core

[R2-2300386](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300386.zip) Discussion on general pocedure of MT-SDT OPPO discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300424](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300424.zip) MT-SDT and quality measurements Ericsson España S.A. discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300434](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300434.zip) MT-SDT mechanism (including RB, paging, resume and capabilities) Intel Corporation discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300497](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300497.zip) Discussion on the MT-SDT procedure Lenovo discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300559](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300559.zip) MT-SDT procedure ZTE Corporation, Sanechips discussion

[R2-2300605](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300605.zip) Discussion on MT-SDT procedure Huawei, HiSilicon discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300651](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300651.zip) Discussion on general procedure for MT-SDT Spreadtrum Communications discussion Rel-18

[R2-2300738](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300738.zip) Discussion on MT-SDT Apple discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300777](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300777.zip) Discussion on MT-SDT procedure LG Electronics Inc. discussion Rel-18 NR\_MT\_SDT-Core

[R2-2300805](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300805.zip) Discussion on MT-SDT NEC discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301102](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301102.zip) DL SDT triggering and procedures Sony discussion Rel-18 NR\_MT\_SDT

[R2-2301111](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301111.zip) Remaining issues of MT SDT procedure Xiaomi discussion Rel-18 NR\_MT\_SDT

[R2-2301245](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301245.zip) Discussion on MT-SDT CMCC discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301281](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301281.zip) Discussion on MT-SDT Qualcomm Incorporated discussion NR\_MT\_SDT-Core

[R2-2301331](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301331.zip) MT-SDT procedure Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301497](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301497.zip) Mobile terminated SDT InterDigital discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301544](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301544.zip) Discussion on DL SPS for MT-SDT ASUSTeK discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301804](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301804.zip) Discussion on support of MT-SDT CATT discussion Rel-18 NR\_MT\_SDT-Core

[R2-2301813](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301813.zip) Discussion on MT-SDT procedure China Telecom discussion

## 8.19 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

### 8.19.1 Organizational

[R2-2300029](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300029.zip) Reply LS on long eDRX support for RRC\_INACTIVE (R3-226776; contact: Nokia, Ericsson) RAN3 LS in Rel-18 NR\_REDCAP\_Ph2 To:SA2 Cc:RAN2

[R2-2300082](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300082.zip) Reply LS on long eDRX support for RRC\_INACTIVE (S2-2301858; contact: Ericsson) SA2 LS in Rel-18 NR\_REDCAP\_Ph2 To:RAN3, RAN2

[R2-2301696](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301696.zip) WI work plan for Rel-18 RedCap Ericsson Work Plan Rel-18 NR\_redcap\_enh-Core

### 8.19.2 Enhanced eDRX in RRC\_INACTIVE

[R2-2300159](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300159.zip) Discussion on long eDRX cycle in RRC\_INACTIVE OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300211](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300211.zip) Discussion on enhanced eDRX in RRC\_INACTIVE CATT discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300405](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300405.zip) RAN2 impact to support eDRX in RRC\_INACTIVE above 10.24sec Intel Corporation discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300419](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300419.zip) Discussion on e-DRX for eRedcap Devices Xiaomi Communications discussion

[R2-2300765](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300765.zip) Basic principles of RAN PTW/PH eDRX INACTIVE design Apple discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300794](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300794.zip) Discussion on enhanced eDRX in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301058](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301058.zip) Enhanced eDRX in RRC\_INACTIVE ZTE Corporation, Sanechips discussion NR\_redcap\_enh-Core

[R2-2301075](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301075.zip) Enhanced eDRX cycle in RRC\_INACTIVE for eRedCap UEs vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301239](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301239.zip) Discussion on eDRX in RRC\_INACTIVE CMCC discussion Rel-18 NR\_redcap\_enh

[R2-2301292](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301292.zip) Discussion on enhanced eDRX in RRC inactive Qualcomm Incorporated discussion NR\_redcap\_enh-Core

[R2-2301333](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301333.zip) On eDRX for enhanced RedCap Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301373](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301373.zip) eDRX in RRC Inactive MediaTek Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301642](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301642.zip) Review on Rel-17 eDRX and discussion on Rel-18 eDRX Samsung discussion Rel-18

[R2-2301643](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301643.zip) Paging monitoring cycle when INACTIVE eDRX cycle is longer than 10.24sec Samsung discussion Rel-18

[R2-2301697](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301697.zip) Discussion on long eDRX cycles in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_redcap\_enh-Core

### 8.19.3 Further reduced UE complexity in FR1

Including Support of additional separate early indication

[R2-2300160](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300160.zip) Discussion on early indication for RedCap UE OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300174](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300174.zip) Discussion on cellbarring for eRedCap Ues OPPO discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300212](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300212.zip) Discussion on further UE complexity reduction CATT discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300406](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300406.zip) RAN2 impacts to support UEs with Baseband Bandwidth Reduction Intel Corporation discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300407](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300407.zip) RAN2 impacts to support UEs with Data Rate Reduction Intel Corporation discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300420](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300420.zip) Discussion on early indication for eRedcap devices Xiaomi Communications discussion

[R2-2300421](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300421.zip) Discussion on UE access restrictions and other impacts for eRedcap devices Xiaomi Communications discussion

[R2-2300652](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300652.zip) Discussion on further reduced UE complexity in FR1 for Rel-18 RedCap UE Spreadtrum Communications discussion Rel-18

[R2-2300764](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300764.zip) Access and Indication topics of eRedCap Apple discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300919](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300919.zip) Early identification and access restriction for eRedCap UEs Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300920](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300920.zip) Discussion on how to capture the capability of eRedCap UEs Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2300990](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300990.zip) Considerations on additional separate early indication(s) for eRedCap UE NEC discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301059](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301059.zip) Early indication for eRedCap UE ZTE Corporation, Sanechips discussion NR\_redcap\_enh-Core

[R2-2301061](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301061.zip) Other aspects for further reducing UE complexity ZTE Corporation, Sanechips discussion NR\_redcap\_enh-Core

[R2-2301076](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301076.zip) Discussion on Early Indication for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301077](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301077.zip) Discussion on SI Enhancements for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301240](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301240.zip) Discussion on further reduced UE complexity CMCC discussion Rel-18 NR\_redcap\_enh

[R2-2301290](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301290.zip) On early indication for enhanced RedCap Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301293](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301293.zip) Discussion on further complexity reduction for eRedCap UE Qualcomm Incorporated discussion NR\_redcap\_enh-Core

[R2-2301294](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301294.zip) Discussion on optional UE capability filter for eRedCap UE Qualcomm Incorporated, Ericsson discussion NR\_redcap\_enh-Core

[R2-2301332](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301332.zip) On access restrictions for enhanced RedCap Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301430](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301430.zip) Early indication and access restrictions for eRedCap UE Sierra Wireless. S.A. discussion

[R2-2301644](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301644.zip) Discussion on separate early indication for Rel-18 RedCap Samsung discussion Rel-18

[R2-2301698](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301698.zip) Early Indication for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301699](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301699.zip) Discussion on initial BWP configuration for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301726](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301726.zip) Discussion on early indication for Rel-18 RedCap UE LG Electronics Inc. discussion Rel-18 NR\_redcap\_enh-Core

[R2-2301872](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301872.zip) Early indication / paging for eRedcap Sequans Communications discussion Rel-18 NR\_redcap\_enh-Core

## 8.20 NR TEI18

Specific items may be allocated to a breakout session for treatment.

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.20.1 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).

### 8.20.2 TEI proposals by RAN2

Items initiated in RAN2. At the current meeting, this topic has the lowest priority of Rel-18 items (in case time prioritization is required).

[R2-2300797](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300797.zip) RedCap CFR for MBS broadcast Qualcomm Incorporated, Ericsson, Verizon, FirstNet discussion Rel-18 NR\_MBS-Core, NR\_redcap-Core, TEI18

DISCUSSION

- HW and Nokia think that there may be impact from R18, so prefer to do this in R19.

- Nokia think there may be impact to MII. QC think there is no impact on MII, and we have looked at this before.

- CATT agrees there may be more impact. Vivo agrees and think different C-RNTI should be used. Think this CFR can be used by all kinds of UEs.

- Ericsson think this is kicking the can down the road .. think this is part of the SA2 WI. R18 is an appropriate release.

- ZTE think there are other solutions.

- MTK think this requires a WI but could be ok in R18. Several Q, e.g. if CFRs woud be overlapped, deliver the same contents etc.

- Ericsson think we will anyway do something as this is required for SA2. HW think this is an enhancement, and think we need to discuss technical solution.

Chair: no consensus

Can check operators views Friday

- Verizon don’t want to downgrade all UEs but at the same time would like to support redcap UEs.

- AT&T explain that there are requirements for redcap UEs and understand that to support those there would be impact to all UEs, which is not desired, and thus AT&T support this proposal.

- Firstnet also support.

- Huawei think there was lots of operator requirements rejected during the work on MBS and think it is fair to send this to plenary. Think there is R1 impact, think it would be useful to then allow overlapping cfr with common scheduling.

- AT&T think that 5MHz bw for multicast was agreed last plenary. Nokia wonder what this is. Nokia think that if we really want to support redcap we maybe need to do more, and could do that in rel-19.

- Xiaomi has some sympathy, and think that Huawei just want to avoid duplicated scheduling which is an optimization that could be considered in Rel-19.

- Ericsson think that the proposal here is to have a simple solution that does impact RAN2 only.

- Verizon think further optimization can be done in the next release.

- ZTE think we should go for Rel-19, to make a proper solution

- HW would prefer to add this to R18 WI.

- OPPO think we need to ensure that normal UEs don’t use this.

* Introduce a separate CFR which can be used when the configured bandwidth for the default CFR in *SIB20* exceeds the bandwidth capability of bandwidth limited UEs. This is intended to not have impact on RAN1 or RAN4, and intended to support redcap UEs.
* CR postponed

[R2-2301761](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301761.zip) Beam Failure Detection upon TRS-based SCell Activation NTT DOCOMO INC. discussion Rel-18

- LGE wonder what is the issue. What is the SCell triggered RA? In SCell only PDCCH order

- QC think the network will not activate Scell with bad beam, and think that TRS based BFD is new and need to be discussed in R1R4.

- Nokia wonder if this is related R4 discussion for reRRM. Docomo think no but need to check R4.

- Apple think the UE does beamsweeping anyway at SCell activation, so UE will find the best beam, not clear what is needed.

- Samsung has some sympathy, because there is no clear description what the UE should do if no good beam.

- Nokia think that e.g. when SCell is unknown it may take time to send the SCell BFR MAC CE.

- Chair: R4 or r1 topic

* noted

[R2-2300326](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300326.zip) BFD relaxation with mTRP vivo, Qualcomm, ZTE Corporation, Fujitsu, Guangdong Genius discussion Rel-18 TEI18

DISCUSSION

- Ericsson think the proposals were rejected as there was no R4 work for this. Vivo think this not planned in R4.

- Three companies are hesitant due to R4 impact.

- vivo think in solution 1 and 2 there is no R4 impact

- Chair: Companies can check what impact and impact to R4 is estimated.

* postponed

[R2-2301447](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301447.zip) Reporting the availability of inter-frequency measurements Ericsson CR Rel-17 38.331 17.3.0 3893 - F TEI18

- Apple think current measurement work ok.

- ZTE think that even if the UE includes MO it is not clear how this is useful. Think that after a while ALL MO would be included. MTK agrees with this, and the reporting may be very long, think that we need more discussion on the problem e.g. in R4.

- Nokia think this is due to when the UE does the measurements ..

- Ericsson think this should be for quite recent results in the UE.

- QC understand the source of this, think we need to define how old measurements can be included, need to defined testing etc. Nokia somewhat similar view

- Chair: Some interest, no consensus.

* Noted

[R2-2300452](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300452.zip) SDT Enhancements for Configured grants [SDT-Enh-CG] Ericsson España S.A. discussion Rel-18 38.321 NR\_SmallData\_INACTIVE-Core

[R2-2301579](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301579.zip) Discussion on UE behaviours of delay measurements upon MO updates Huawei, HiSilicon discussion Rel-18 TEI18

Positioning

Treated in Nathans Positioning session.

LOS/NLOS

[R2-2301172](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301172.zip) GNSS LOS/NLOS assistance information Vodafone, Spirent, Ericsson, Telecom Italia discussion Rel-18

Pos Remote UE

[R2-2301296](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301296.zip) Relay based Positioning Procedure Ericsson discussion Rel-18 [R2-2212372](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\TSGR2_120\Docs\R2-2212372.zip)

[R2-2301649](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301649.zip) Positioning of remote UEs MediaTek Inc., CATT, Huawei, HiSilicon discussion Rel-18 TEI18

[R2-2301650](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301650.zip) Uplink positioning restrictions for UE-to-network remote UE [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 38.305 17.3.0 0122 - C TEI18

[R2-2301651](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301651.zip) Downlink positioning support and posSIB request for L2 UE-to-network remote UE (Alt 1) [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 38.331 17.3.0 3910 - C TEI18

[R2-2301655](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301655.zip) Indication to positioning server of operation as a L2 UE-to-Network Remote UE [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 37.355 17.3.0 0414 - C TEI18

[R2-2301653](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301653.zip) Downlink positioning support and posSIB request for L2 UE-to-network remote UE (Alt 2) [PosL2RemoteUE] MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 38.331 17.3.0 3911 - C TEI18

GNSS Satellite APC

[R2-2301645](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301645.zip) Support for GNSS Satellite APC Swift Navigation, Intel Corporation, InterDigital, CATT discussion Rel-18

[R2-2301652](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301652.zip) Stage 2 support for GNSS Satellite APC [Rel18APC] Swift Navigation, Intel Corporation, InterDigital, CATT draftCR Rel-18 36.305 17.2.0 C NR\_pos-Core, TEI18

[R2-2301654](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301654.zip) Stage 2 support for GNSS Satellite APC [Rel18APC] Swift Navigation, Intel Corporation, InterDigital, CATT draftCR Rel-18 38.305 17.3.0 C NR\_pos-Core, TEI18

[R2-2301666](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301666.zip) Support for GNSS Satellite APC in LPP [Rel18APC] Swift Navigation, Intel Corporation, InterDigital, CATT draftCR Rel-18 37.355 17.3.0 C NR\_pos-Core, TEI18

SSR Phase Bias with Yaw

[R2-2301667](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301667.zip) Support for SSR Phase Bias with Yaw Swift Navigation, Intel Corporation, InterDigital discussion Rel-18

[R2-2301668](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301668.zip) Stage 2 support for SSR Phase Bias with Yaw [Rel18Yaw] Swift Navigation, Intel Corporation, InterDigital draftCR Rel-18 36.305 17.2.0 C NR\_pos-Core, TEI18

[R2-2301670](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301670.zip) Stage 2 support for SSR Phase Bias with Yaw [Rel18Yaw] Swift Navigation, Intel Corporation, InterDigital draftCR Rel-18 38.305 17.3.0 C NR\_pos-Core, TEI18

[R2-2301671](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301671.zip) Support for SSR Phase Bias with Yaw in LPP [Rel18Yaw] Swift Navigation, Intel Corporation, InterDigital draftCR Rel-18 37.355 17.3.0 C NR\_pos-Core, TEI18

Local Cartesian Coordinates

[R2-2300532](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300532.zip) Support of Local Cartesian Coordinates in LPP Qualcomm Incorporated discussion

R2-2300533 Support of Local Cartesian Coordinates in LPP Qualcomm Incorporated draftCR Rel-18 37.355 17.3.0 C TEI18 Late

Withdrawn

R2-2301166 GNSS LOS/NLOS assistance information Vodafone, Spirent, Ericsson, Telecom Italia discussion Rel-18 Withdrawn

## 8.21 R18 Other

Specific items may be allocated to a breakout session for treatment.

Misc Impacts from Other RAN WGs and TSGs (incl MC Enhancements). LS ins for Rel-18 specific WIs/SIs that has no RAN WI.

Time budget: 2 TU

Tdoc Limitation: -

### 8.21.1 RAN4 led items

LS in no action

[R2-2300045](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300045.zip) LS on BWP operation without bandwidth restriction (R4-2220437; contact: vivo) RAN4 LS in Rel-18 To:RAN Cc:RAN2, RAN1

Moved from 3

Proposed Noted, without presentation

* noted

Extension of NS value Range

[R2-2300047](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300047.zip) Response LS on extending the maximum range for NS values (R4-2220493; contact: Apple) RAN4 LS in Rel-18 NR\_unlic\_enh To:RAN2

DISCUSSION

- Ericsson think such extensions are ugly. RAN4 could instead define new band, which would not impact RAN2.

- Samsung think Ericsson opinion is not realistic. Is ok with P1.

- HW think no new dedicated UE cap need to be defined.

- MTK agree with Samsung and support to have new capability.

- Nokia are ok with P1 but not sure why R4 didnt request us to add UE cap. Apple think we anyway need a UE cap to indicate support for extended values.

- QC think the capability is more legacy handlng issue.

- Ericsson think that if new NS value is added then modified MPR beh is indicated.

- Samsung think that MPR beh is not directly related and a UE cap is needed.

- Ericsson think that SIB2 cannot be extended for Rel-16.

- Apple think it is possible but ugly.

- Apple think modified MPR beh mimics the UE cap but anyway the UE cap is needed.

- HW think we need to check with R4. Think modified MPR beh could be used as is (legacy field).

- Ericsson also think we need to check the CR contents, there are R18 expected NS values and it is too early for that.

CB allow time to check with R4 colleges.

- Apple report there was an offline, there was some convergence. Companies seems to have checked w R4 but suggest LS. R17 CRs with magic sentence were preferred.

[R2-2302185](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302185.zip) Addition of extended NS value range Apple Inc CR Rel-17 38.331 17.3.0 3900 1 F NR\_unlic\_enh

[R2-2302186](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302186.zip) Addition of extended NS value range Apple Inc CR Rel-17 36.331 17.3.0 4917 1 F NR\_unlic\_enh

- Apple report that intentionally the magic sentence is not added yet, but would be added after R4 confirms this .. Nokia think we need additional explanation on the coversheet, regarding the UE capability.

* CRs are endorsed (for the purpose of informing R4 about RAN2 decisions)

[R2-2302209](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2302209.zip)[DRAFT] Response LS on extending the maximum range for NS values LS out Apple

* Approved, final version in R2-2302257

[R2-2300769](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300769.zip) Discussion on the extention of NS values Apple discussion Rel-18 NR\_unlic\_enh

[R2-2301467](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301467.zip) Addition of extended NS value range Apple Inc CR Rel-16 38.331 16.11.0 3899 - F NR\_unlic\_enh

[R2-2301468](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301468.zip) Addition of extended NS value range Apple Inc CR Rel-17 38.331 17.3.0 3900 - A NR\_unlic\_enh

[R2-2301469](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301469.zip) Addition of extended NS value range Apple Inc CR Rel-16 38.306 16.11.0 0866 - F NR\_unlic\_enh

[R2-2301470](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301470.zip) Addition of extended NS value range Apple Inc CR Rel-17 38.306 17.3.0 0867 - A NR\_unlic\_enh

[R2-2301471](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301471.zip) Addition of extended NS value range Apple Inc CR Rel-16 36.331 16.11.0 4916 - F NR\_unlic\_enh

[R2-2301472](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301472.zip) Addition of extended NS value range Apple Inc CR Rel-17 36.331 17.3.0 4917 - A NR\_unlic\_enh

[R2-2300866](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300866.zip) Extending NS value range Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.11.0 3846 - F NR\_unlic\_enh-Core

[R2-2300867](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300867.zip) Extending NS value range Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.3.0 3847 - A NR\_unlic\_enh-Core

2 docs Moved from 5.1.3

### 8.21.2 RAN1 led items

R18 MIMO

Treated best effort together with AI 6.11 R17 feMIMO in man session.

[R2-2300021](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300021.zip) LS on Multi-DCI Multi-TRP with two TAs (R1-2213004; contact: Ericsson) RAN1 LS in Rel-18 NR\_MIMO\_evo\_DL\_UL-Core To:RAN2

[R2-2300338](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300338.zip) Discussion on Multi-TRP with two TAs SHARP Corporation discussion NR\_MIMO\_evo\_DL\_UL-Core

[R2-2300907](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300907.zip) On incoming LS “LS on Multi-DCI Multi-TRP with two Tas” on Rel-18 MIMO Ericsson discussion Rel-18

[R2-2301035](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301035.zip) Considerations on multi-DCI multi-TRP operation with two TAs Fujitsu discussion Rel-18 NR\_MIMO\_evo\_DL\_UL

[R2-2301291](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301291.zip) On multi-DCI multi-TRP with two Tas Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

[R2-2301791](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301791.zip) Considerations on LS from RAN1 for MIMO Evolution ZTE Corporation,Sanechips discussion Rel-18 NR\_MIMO\_evo\_DL\_UL-Core

* 6 tdocs Noted

DISCUSSION

- LG think many things need to be clarified before RAN2 can start work.

- Xiaomi think that R1 already agreed PDCCH order and think R1 doesn’t need reply now.

- OPPO also prefer to just ask some questions.

- QC think the purpose of this is that part of UL resources in the cell would fail, and at least recovery and config would be different to current type of TAGs.

- Intel think reply is not urgent.

- Ericsson thnk that pTAG sTAG do everything for the whole cell so most need to be different.

- vivo think we need to reply to RAN1, maybe not for this meeting. R2 cannot decide independently.

- Apple think that CBRA is not needed for this intra cell scenario.

- LG think whether CBRA is needed it up to network.

- Chair Comment: at current immature state, no one in R2 seems to have identified a need for CBRA. R2 will not reply any opinions on CBRA from this meeting

- Chair: no need to send LS to R1, we just continue based on input etc next meeting (for which there are TUs allocated).

R18 UL TX Switching

[R2-2300050](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300050.zip) LS on Rel-18 UL Tx switching (R4-2220548; contact: China Telecom) RAN4 LS in Rel-18 NR\_MC\_enh-Core To:RAN1, RAN2

- Docomo think we can just note the LS

* noted

[R2-2301759](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301759.zip) Issues on Rel-18 UL Tx switching that should be discussed in RAN2#121 NTT DOCOMO INC. discussion Rel-18

- ZTE support P1

- Apple originally support Alt 2 but can compromise

- OPPO think Alt2 can work, and it saves overhead.

- vivo think that support of switched UL and concurrent TX means support of dual UL and proposes a revised alt2.

- HW also support P1, think if signalling overhead need to be reduced it can be done if needed.

- QC support P1.

- Ericsson prefer Alt2 but can accept Alt1 .. think UE cap and confi granularity shall match

- Samsung support P1 simple and flexible.

- Docomo think signalling overhead reduction of Alt2 is good. Proposed to report per BC and optionally also per BP.

- Ericsson think we just leave details FFS, think we can also report default per UE

- ZTE think it is clear that this need to be per band pair and think that the reporting is 1 bit per BP.

- MTK think that there has been issues with such constructs.

- Apple think that more UE caps may need to be intoriduced.

P2

- OPPO think that there may be ambiguities as one band may be involved in many pairs.

- ZTE think this is ok.

- Chair: we can agree and then resolve ambiguities if needed.

* For UE capability of switching options, introduce a per-band-pair UE capability to report supported switching options for Rel-18 UL Tx switching.
* configure {switchedUL, dualUL} for combination(s) of serving cells (i.e., for each band pair in the band combination)
* For RRC configuration to clarify ambiguous Tx state, RAN2 should introduce an RRC configuration that associates a band to another band which the unused Tx chain is switched to when the switch is from concurrent transmission on two bands to 1 Tx transmission on another band.
* For UE capability of 2-port UL transmission, RAN2 reuse the per-FS UL-MIMO UE capability (no spec change).

[R2-2301180](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301180.zip) RAN2 signalling design for Rel-18 UL Tx switching enhancements Huawei, HiSilicon discussion Rel-18 NR\_MC\_enh-Core

*Proposal 5: If RAN2 agree the 3/4 FeatureSetUplink are reported in one row for the 3/4 UL bands involved in Rel-18 UL Tx switching for a given BC, fallback and backward compatibility should be supported in the following way:*

*‐ The UE needs to guarantee the FeatureSetUplinks reported for Rel-18 UL Tx switching are applicable to Rel-16/Rel-17 Tx switching if 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 needs to 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.*

*Proposal 6: In order to reduce signalling overhead, the FeatureSets reported for Rel-16/Rel-17 Tx switching between 2 bands can be combined to substitute the FSC row of 3/4 UL bands for Rel-18 UL Tx switching.*

P3

- HW indicate that R4 has just decided that different values can be reported.

P5

- on the 2nd row, can guarantee that legacy cap is not exceeded

- Oppo think P5 doesnt follow fallback princples. .

- ZTE wonder if P5 and P6 are conflicting. Think we need to choose on of them.

- HW think P5 can work, and P6 is an alternative way.

- MTK has concerns on P5 wrt fallback and think for P6

- Ericsson think it shall be possible to derive R1617 cap from one row.

- QC has similar view as Ericsson, but think UE may not support R1617 cap. Apple think if UE support R18 cap then also support R1617 cap. Prefer p5, think that second bullet can be related to other UE cap than sw period. HW agrees.

- HW suggest to postpone FS discussion let companies digest.

- ZTE and QC think that R1516 support assumption based on R18 support is a R1 issue.

P8

- Docomo indicates that R1 is still discussing this, cannot conclude.

P9 (first part)

- ZTE wonder it reuse means per BC or per UE. HW think existing signalling is per UE.

- OPPO think granularity need to be the same as for sw options, i.e. per band pair. QC agrees

* No technical agreements. Status as follows:

- For the RAN4 UE capability of unaffected/maintained UL transmission on the unchanged Tx chain when the other Tx chain is switching, and RAN1 UE capability of minimum separation time, RAN2 wait for further RAN4/RAN1 agreements on the attributions, e.g. granularity.

- For switching period, RAN2 wait for the RAN4 decision on whether different values can be reported in Rel-18 and whether/how to handle the 1Tx-1Tx switching.

- Feature Set discussion (P5/P6 etc) is postponed, allow companies to digest.

- The following is postponed: For Rel-18 UL Tx switching among 3/4 bands, existing signalling *uplinkTxSwitching-DualUL-TxState-r17* is reused to indicate the state of Tx chains for *dualUL* mode.

- For Rel-18 UL Tx switching among 3/4 bands, whether new signalling indicating the mode of 1Tx-2Tx switching, 2Tx-2Tx switching[, and 1Tx-1Tx switching] for each band pair is pending to RAN4/RAN1’s further discussion.

[R2-2300742](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300742.zip) Discussion on UL Tx switching Apple discussion Rel-18 NR\_MC\_enh-Core

DISCUSSION

P3

- Docomo indicate that this is also R1 current discussion, no possibility to agree.

* noted

[R2-2301320](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301320.zip) Discussion on Rel-18 UL Tx switching capability and configuration ZTE Corporation, Sanechips discussion Rel-18 NR\_MC\_enh

DISCUSSION on Proposal 1 (only)

- HW think this is related to sw period reporting and Feature set reporting. Think this will be resolved by the other discussions.

- docomo think it is good to keep this in mind, but think that it depend on R1 assumptions.

* Noted

Long post-meeting email discussion (Docomo) for left overs from this meeting (e.g. FS discussion based on HW tdoc) incl additional LS from R1 and R4 if any

* [Post121][045][MCE] UL TX Switching (Docomo)

Scope: “left overs” from this meeting (e.g. FS discussion based on HW tdoc) incl discussion of additional late LS from R1 and R4 if any.

Intended outcome: Report

Deadline: Long

[R2-2300139](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300139.zip) Discussion on R18 UL Tx Switching OPPO discussion Rel-18 NR\_MC\_enh-Core

[R2-2300448](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300448.zip) discussion on UE capability and RRC configuration for UL tx switching vivo discussion Rel-18

[R2-2300555](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300555.zip) UL Tx switching in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MC\_enh-Core

[R2-2300825](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300825.zip) Discussion on Rel-18 UL Tx Switching Capability and Configuration CATT discussion Rel-18 NR\_MC\_enh

[R2-2301402](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301402.zip) On RAN2 aspects for UL TX switching Rel-18 Ericsson discussion

[R2-2301760](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301760.zip) Potential RAN2 Issues on Rel-18 UL Tx switching NTT DOCOMO INC. discussion Rel-18

[R2-2301181](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301181.zip) Introduction of Rel-18 UL Tx switching enhancements Huawei, HiSilicon, NTT DOCOMO INC. draftCR Rel-18 38.331 17.3.0 C NR\_MC\_enh-Core

[R2-2301182](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301182.zip) Introduction of Rel-18 UL Tx switching enhancements Huawei, HiSilicon, NTT DOCOMO INC. draftCR Rel-18 38.306 17.3.0 C NR\_MC\_enh-Core

R18 DSS

Not treated, just resubmission of CRs for information

[R2-2301321](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301321.zip) Running 38.306 CR for R18 DSS ZTE Corporation, Ericsson draftCR Rel-18 38.306 17.3.0 B NR\_DSS\_enh-Core

[R2-2301405](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301405.zip) Running 38.331 CR for R18 DSS Ericsson, ZTE Corporation CR Rel-18 38.331 17.3.0 3888 - B NR\_DSS\_enh-Core

### 8.21.3 Other

SA2, SA3, CT1 led items and others

LS in No action

[R2-2300090](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300090.zip) LS on handover failures related to MRO for inter-system mobility (S5-227042; Contact: Nokia) SA5 LS in Rel-18 PM\_KPI\_5G\_Ph3 To:RAN3 Cc:RAN2

Proposed Noted, without presentation. RAN2 assumes that RAN3 will reply.

* noted

R18 NPN

[R2-2300065](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300065.zip) Progress and open issues for NPN enhancements in Rel-18 (S2-2209860; contact: Ericsson) SA2 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:SA1, SA3, CT1 Cc:CT3, CT4, RAN2, RAN3

[R2-2300004](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300004.zip) Reply LS on the progress and open issues for NPN enhancements in Rel-18 (C1-227157; contact: Qualcomm) CT1 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:SA2 Cc: CT3, CT4, RAN2, RAN3, SA1, SA3

[R2-2300063](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300063.zip) Reply LS on Progress and open issues for NPN enhancements in Rel-18 (S1-223540; contact: Qualcomm) SA1 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:SA2, SA3, CT1 Cc: CT3, CT4, RAN2, RAN3

=> Revised in [R2-2301912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301912.zip)

[R2-2301912](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301912.zip) Reply LS on Progress and open issues for NPN enhancements in Rel-18 (S1-223540; contact: Qualcomm) SA1 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:SA2, SA3, CT1 Cc: CT3, CT4, RAN2, RAN3

[R2-2300083](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300083.zip) Reply LS on Progress and open issues for NPN enhancements in Rel-18 (S3-224175; contact: Qualcomm) SA3 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:SA2 Cc:SA1, CT1, CT3, CT4, RAN2, RAN3

* 5 LSes noted wo presentation

[R2-2300074](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300074.zip) LS on RAN impact for NPN enhancement in Rel-18 (S2-2301437; contact: Ericsson) SA2 LS in Rel-18 FS\_eNPN\_Ph2, eNPN\_Ph2 To:RAN2, RAN3 Cc:CT1, RAN

DISCUSSION

- Lenovo think the CRs look ok, but think RRC may be impacted. Samsung agrees.

- Nokia think we need TSG RAN agreement to work.

- Samsung agrees that guidance from TSG RAN is good

- vivo wonder if this is all scope?

- HW agrees that the mpact is mainly cell selection reselection. Think we can leave decision on new WI to RAN3.

- Chair: Can add this in R2 report to TSG RAN.

* Noted

[R2-2301443](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301443.zip) Discussion on NPN Rel-18 work Ericsson discussion Rel-18

[R2-2300233](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300233.zip) Discussion on RAN impact for NPN enhancement in Rel-18 Huawei, HiSilicon discussion Rel-18 eNPN\_Ph2

[R2-2300613](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300613.zip) RAN2 impact on Rel-18 NPN enhancement Intel Corporation discussion Rel-18 eNPN\_Ph2

[R2-2301444](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301444.zip) (draft) LS on how to proceed with specification work on eNPN in Rel-18 Ericsson LS out Rel-18 To:RAN Cc:RAN3

R18 Slice

[R2-2300078](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300078.zip) LS on Partially allowed/rejected NSSAI (S2-2301467; contact: Ericsson) SA2 LS in Rel-18 eNS\_Ph3 To:RAN3 Cc:RAN2

* Noted

[R2-2300027](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300027.zip) Reply LS on RAN dependency of FS\_eNS\_Ph3 (R3-226083; contact: ZTE) RAN3 LS in Rel-18 FS\_eNS\_Ph3 To:SA2 Cc:RAN2

- Samsung report tha R2 already replied to the issue mentioned in ths LS

* Noted

[R2-2300077](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300077.zip) LS on Support of Network Slices which have Area of Service not matching deployed Tracking Areas (S2-2301466; contact: Nokia) SA2 LS in Rel-18 eNS\_Ph3 To:RAN3 Cc:RAN2

* Noted

[R2-2301073](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301073.zip) [draft] Reply LS to Support of Network Slices which have Area of Service not matching deployed Tracking Areas Lenovo LS out eNS\_Ph3 To:SA2 Cc:RAN3

- vivo and Nokia think R3 can reply also the mobility question. Can involve R2 if needed after R3 has made an attempt.

* Noted

R18 URLLC

This subtopic is handled by Diana

[R2-2300028](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300028.zip) Reply LS on Time Synchronization Status notification towards UE(s) (R3-226774; contact: ZTE) RAN3 LS in Rel-18 FS\_5TRS\_URLLC

[R2-2300073](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300073.zip) LS Reply on UL scenario of reactive RAN feedback for burst sending time adjustment (S2-2301420; contact: Huawei) SA2 LS in Rel-18 TRS\_URLLC

[R2-2300075](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300075.zip) Proposed method for Time Synchronization status reporting to UE(s) (S2-2301463; contact: Nokia) SA2 LS in Rel-18 FS\_5TRS\_URLLC

[R2-2300483](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300483.zip) Discussion on RAN solution to provide UL reactive feedback for burst sending time adjustment Huawei, HiSilicon discussion Rel-18

[R2-2300484](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300484.zip) Discussion on Time Synchronization Status reporting to UE(s) Huawei, HiSilicon discussion Rel-18

[R2-2301071](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301071.zip) [DRAFT] Reply LS on proposed method for Time Synchronization status reporting to UE(s) ZTE Corporation, Sanechips LS out Rel-18 FS\_5TRS\_URLLC To:SA2, RAN3

[R2-2301512](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301512.zip) LS reply to SA2 on feasibility of Time Synchronization Method Ericsson discussion Rel-18 FS\_5TRS\_URLLC

[R2-2301518](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301518.zip) Discussion on timing synchronization status reporting to UE(s) Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_5TRS\_URLLC

[R2-2301519](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301519.zip) [DRAFT] Reply LS on Proposed method for Time Synchronization status reporting to UE(s) Nokia, Nokia Shanghai Bell LS out Rel-18 FS\_5TRS\_URLLC To:SA2 Cc:RAN3

[R2-2301836](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301836.zip) On reactive RAN feedback for burst sending time adjustment Ericsson discussion Rel-18

[R2-2300545](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2300545.zip) Discussion of RAN2 response to SA2 LS Proposed method for Time Synchronization status reporting to UE(s) Qualcomm Incorporated discussion Rel-18

# 9Breakout session reports

No documents shall be submitted to this AI or its sub-AIs. It is only for at-meeting-generated contents.

## 9.1 Session on NTN, IoT NTN and RedCap

[R2-2301901](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301901.zip) Report from Break-Out Session on NTN, IoT NTN and RedCap Vice Chairman (ZTE) Report

* approved

## 9.2 Session on LTE legacy, XR, QoE and Multi-SIM

[R2-2301902](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301902.zip) Report from session on LTE legacy, XR, QoE and Multi-SIM Vice Chairman (Nokia) Report

- Vice Chair reports that the XR SI is completed.

* approved

## 9.3 Session on UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV

[R2-2301903](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301903.zip) Report from UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV Session chair (InterDigital) Report

* approved

## 9.4 Session on positioning and sidelink relay

[R2-2301904](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301904.zip) Report from session on positioning and sidelink relay Session chair (MediaTek) Report

* approved

## 9.5 Session on LTE V2X and NR SL

[R2-2301905](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301905.zip) Report from session on LTE V2X and NR SL Session chair (Samsung) Report

* approved

## 9.6 Session on SON/MDT

[R2-2301906](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301906.zip) Report from SON/MDT session Session chair (CMCC) Report

* approved

## 9.7 Session on MBS

[R2-2301907](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301907.zip) Report from MBS breakout session Session chair (Huawei) Report

* approved

## 9.8 Session on IDC

[R2-2301908](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301908.zip) Report from IDC breakout session Session chair (Intel) Report

* approved

## 9.9 Session on NC Repeater

[R2-2301909](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301909.zip) Report from NC Repeater breakout session Session chair (Apple) Report

- Session chair reports that the WI cannot be considered completed.

* The agreement: *After cell reselection, the NCR-MT to resume so that it can receive side-control configuration from the new gNB (can be done by network configuration using existing specifications). The case when a NCR-MT goes to an acceptable cell and comes back and the case when no cell found are FFS*

Is rephrased to: *After cell reselection, the NCR-MT to resume so that it can receive side-control configuration from the new gNB (can be done by network configuration using existing specifications). The case when a NCR-MT selects/reselects to an acceptable cell or when no cell is found and comes back is FFS*

* With the above modification the report is approved

## 9.10 Session on eRedCap

[R2-2301910](file:///C:\Users\johan\OneDrive\Dokument\3GPP\tsg_ran\WG2_RL2\RAN2\Docs\R2-2301910.zip) Report from eRedCap breakout session Session chair (Ericsson) Report

* approved