3GPP TSG-RAN WG2 Meeting #127 R2-240xxx

Maastricht, Netherlands, Aug 19th – 23rd, 2024

Source: Session chair (Ericsson)

Title: Report from session on maintenance, CovEnh, SON/MDT and eRedCap

* [AT127][600] Organizational – Maintenance, Covenh, SON/MDT and eRedCap (Ericsson)

Scope:

* + - Share plans for the meeting and list of ongoing email discussions
    - Share meetings notes and agreements for review and endorsement
    - Flag LSs and agreed CRs for discussion

      Intended outcome:

* + - General information sharing about the sessions

# 4 EUTRA Rel-17 and earlier

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

## 4.1 EUTRA corrections Rel-17 and earlier

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

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

(LTE TEI17)

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

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

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

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

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

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

REL-16 and Earlier EUTRA WIs are in scope but not listed explicitly (long list), Except V2X and Sidelink WIs and Positioning WIs, which are addressed by AIs below.

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

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

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

scg-State

[R2-2406272](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406272.zip) Correction on the field of scg-State Huawei, HiSilicon, Qualcomm Incorporated CR Rel-17 36.331 17.9.0 5034 - F LTE\_NR\_DC\_enh2-Core

[R2-2406273](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406273.zip) Correction on the field of scg-State Huawei, HiSilicon, Qualcomm Incorporated CR Rel-18 36.331 18.2.0 5035 - A LTE\_NR\_DC\_enh2-Core

[R2-2406274](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406274.zip) Correction on the field of scg-State Huawei, HiSilicon, Qualcomm Incorporated CR Rel-17 38.331 17.9.0 4864 - F LTE\_NR\_DC\_enh2-Core

[R2-2406275](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406275.zip) Correction on the field of scg-State Huawei, HiSilicon, Qualcomm Incorporated CR Rel-18 38.331 18.2.0 4865 - A LTE\_NR\_DC\_enh2-Core

Extended wait time

[R2-2406631](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406631.zip) extendedWaitTime correction Peraton Labs, CISA ECD, AT&T, Verizon CR Rel-18 36.331 18.2.0 5041 - F NB\_IOT-Core

MBMS

[R2-2406646](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406646.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-14 36.331 14.17.0 5042 - F MBMS\_LTE\_enh2-Core

[R2-2406647](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406647.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-15 36.331 15.22.0 5043 - A MBMS\_LTE\_enh2-Core

[R2-2406648](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406648.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-16 36.331 16.16.0 5044 - A MBMS\_LTE\_enh2-Core

[R2-2406649](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406649.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-17 36.331 17.9.0 5045 - A MBMS\_LTE\_enh2-Core

[R2-2407210](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407210.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-18 36.331 18.2.0 5046 1 A MBMS\_LTE\_enh2-Core [R2-2406650](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406650.zip)

Old revisions, withdrawn

[R2-2406650](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406650.zip) Correction to MIB-MBMS systemFrameNumber field description Qualcomm Incorporated, Samsung, ABS, SJTU CR Rel-18 36.331 18.2.0 5046 - A MBMS\_LTE\_enh2-Core Revised

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 2 tdocs in total for all sub agenda items NOTE: some agenda items have additional Tdoc limits.

In case a correction need to be reflected in both NR TS and LTE TS, the corrections should be submitted under one single AI (so the NR and LTE correction can be treated 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](https://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_85/Docs//RP-191971.zip))

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(NR TEI16)

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

### 5.1.1 Stage 2 and Organisational

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

MPS Priority access

[R2-2406634](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406634.zip) Alignment of mps-PriorityAccess cause in RRC resume Peraton Labs, CISA ECD, Verizon CR Rel-18 38.300 18.2.0 0882 - F NR\_newRAT-Core

Transport channels

[R2-2407281](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407281.zip) Correction on Transport Channels Philips International B.V. CR Rel-15 38.300 15.17.0 0889 - F NR\_newRAT-Core

[R2-2407282](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407282.zip) Correction on Transport Channels Philips International B.V. CR Rel-16 38.300 16.16.0 0890 - F NR\_newRAT-Core

[R2-2407284](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407284.zip) Correction on Transport Channels Philips International B.V. CR Rel-17 38.300 17.9.0 0891 - A NR\_newRAT-Core

[R2-2407288](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407288.zip) Correction on Transport Channels Philips International B.V. CR Rel-18 38.300 18.2.0 0892 - A NR\_newRAT-Core

### 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.

HO and SRB2

[R2-2406336](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406336.zip) Preconditions for MCG reconfiguration with sync MediaTek Inc. discussion Rel-15 NR\_newRAT-Core

[R2-2406350](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406350.zip) Correction on the way to include ReconfigurationWithSync in masterCellGroup in RRCReconfiguration NTTDOCOMO, INC., Nokia, Nokia Shanghai Bell, Ericsson, Samsung CR Rel-15 38.331 15.26.0 4870 - F NR\_newRAT-Core

[R2-2406351](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406351.zip) Correction on the way to include ReconfigurationWithSync in masterCellGroup in RRCReconfiguration NTTDOCOMO, INC., Nokia, Nokia Shanghai Bell, Ericsson, Samsung CR Rel-16 38.331 16.17.0 4871 - A NR\_newRAT-Core

[R2-2406353](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406353.zip) Correction on the way to include ReconfigurationWithSync in masterCellGroup in RRCReconfiguration NTTDOCOMO, INC., Nokia, Nokia Shanghai Bell, Ericsson, Samsung CR Rel-17 38.331 17.9.0 4872 - A NR\_newRAT-Core

[R2-2406354](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406354.zip) Correction on the way to include ReconfigurationWithSync in masterCellGroup in RRCReconfiguration NTTDOCOMO, INC., Nokia, Nokia Shanghai Bell, Ericsson, Samsung CR Rel-18 38.331 18.2.0 4873 - A NR\_newRAT-Core

IDLE state changes

[R2-2406799](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406799.zip) Discussion on going to IDLE triggered by inter-RAT cell selecton or reselection vivo discussion Rel-16

[R2-2406800](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406800.zip) Correction on going to IDLE triggered by inter-RAT cell selection or reselection vivo CR Rel-16 38.331 16.17.0 4888 - F NR\_newRAT-Core

[R2-2406801](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406801.zip) Correction on going to IDLE triggered by inter-RAT cell selection vivo CR Rel-16 36.331 16.16.0 5047 - F NR\_newRAT-Core

SRS switching

[R2-2406841](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406841.zip) Correction on IE SRS-CarrierSwitching CATT CR Rel-15 38.331 15.26.0 4893 - F NR\_newRAT-Core

[R2-2406842](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406842.zip) Correction on IE SRS-CarrierSwitching CATT CR Rel-16 38.331 16.17.0 4894 - A NR\_newRAT-Core, TEI16

[R2-2406843](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406843.zip) Correction on IE SRS-CarrierSwitching CATT CR Rel-17 38.331 17.9.0 4895 - A NR\_newRAT-Core, TEI17

[R2-2406844](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406844.zip) Correction on IE SRS-CarrierSwitching CATT CR Rel-18 38.331 18.2.0 4896 - A NR\_newRAT-Core, TEI18

Setup release

[R2-2407083](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407083.zip) Generic procedure text for SetupRelease Ericsson CR Rel-15 38.331 15.26.0 4918 - F NR\_newRAT-Core

[R2-2407084](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407084.zip) Generic procedure text for SetupRelease Ericsson CR Rel-16 38.331 16.17.0 4919 - A NR\_newRAT-Core, TEI16

[R2-2407085](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407085.zip) Generic procedure text for SetupRelease Ericsson CR Rel-17 38.331 17.9.0 4920 - A NR\_newRAT-Core, TEI17

[R2-2407086](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407086.zip) Generic procedure text for SetupRelease Ericsson CR Rel-18 38.331 18.2.0 4921 - A NR\_newRAT-Core, TEI18

*Moved from 6.1.3.1*

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

Parallel TX

[R2-2407069](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407069.zip) Parallel Tx capability discussion Ericsson, Qualcomm Incorporated discussion

Increase nrof CSI RS per MO

[R2-2407297](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407297.zip) Clarification on increasedNumberofCSIRSPerMO Huawei, HiSilicon, vivo, MediaTek Inc., Nokia, Nokia Shanghai Bell, ZTE Corporation CR Rel-16 38.306 16.17.0 1138 - F NR\_CSIRS\_L3meas-Core

[R2-2407298](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407298.zip) Clarification on increasedNumberofCSIRSPerMO Huawei, HiSilicon, vivo, MediaTek Inc., Nokia, Nokia Shanghai Bell, ZTE Corporation CR Rel-17 38.306 17.9.0 1139 - A NR\_CSIRS\_L3meas-Core

[R2-2407299](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407299.zip) Clarification on increasedNumberofCSIRSPerMO Huawei, HiSilicon, vivo, MediaTek Inc., Nokia, Nokia Shanghai Bell, ZTE Corporation CR Rel-18 38.306 18.2.0 1140 - A NR\_CSIRS\_L3meas-Core

ssb-AndCSI-RS-RLM

[R2-2407323](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407323.zip) Clarification on the Prerequisite of the ssb-AndCSI-RS-RLM (r15) ZTE Corporation, Sanechips CR Rel-15 38.306 15.25.0 1142 - F NR\_newRAT-Core

[R2-2407324](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407324.zip) Clarification on the Prerequisite of the ssb-AndCSI-RS-RLM (r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.17.0 1143 - A NR\_newRAT-Core

[R2-2407325](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407325.zip) Clarification on the Prerequisite of the ssb-AndCSI-RS-RLM (r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.9.0 1144 - A NR\_newRAT-Core

[R2-2407326](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407326.zip) Clarification on the Prerequisite of the ssb-AndCSI-RS-RLM (r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.2.0 1145 - A NR\_newRAT-Core

#### 5.1.3.3 Other

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

Relaxed measurements

[R2-2407341](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407341.zip) Correction to Relaxed measurement LG Electronics CR Rel-16 38.304 16.10.0 0412 - F NR\_newRAT-Core

[R2-2407361](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407361.zip) Correction to Relaxed measurement LG Electronics CR Rel-17 38.304 17.9.0 0413 - A NR\_newRAT-Core

[R2-2407363](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407363.zip) Correction to Relaxed measurement LG Electronics CR Rel-18 38.304 18.2.0 0414 - A NR\_newRAT-Core

# 6 NR Rel-17

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

## 6.1 Common

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PRACH partitioning items

(NR TEI17)

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

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

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

Tdoc limitation: 4 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)

### 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.

**Reminder: we should note down NBC CRs.**

MIMO – Power control

[R2-2407557](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407557.zip) Correction on power control parameters to support unified TCI state framework Ericsson CR Rel-17 38.331 4964 - F NR\_feMIMO-Core Late

[R2-2407556](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407556.zip) Correction on power control parameters to support unified TCI state framework Ericsson CR Rel-17 38.331 4963 - F NR\_feMIMO-Core Late

RedCap

[R2-2406372](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406372.zip) Corrections on the application of intraFreqReselection Huawei, HiSilicon CR Rel-17 38.331 17.9.0 4874 - F NR\_redcap-Core

[R2-2406373](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406373.zip) Corrections on the application of intraFreqReselection Huawei, HiSilicon CR Rel-18 38.331 18.2.0 4875 - A NR\_redcap-Core, NR\_redcap\_enh-Core

RA partitioning

[R2-2406411](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406411.zip) Consideration on overlapping preamble range and empty FeatureCombination ZTE Corporation discussion Rel-17 NR\_newRAT-Core

[R2-2407009](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407009.zip) Correction on featureCombination and SI-RequestConfig ZTE Corporation CR Rel-17 38.331 17.9.0 4911 - F NR\_newRAT-Core

[R2-2407010](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407010.zip) Correction on featureCombination and SI-RequestConfig ZTE Corporation CR Rel-18 38.331 18.2.0 4912 - A NR\_newRAT-Core

[R2-2407459](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407459.zip) Clarification on configuring RACH partition in RedCap-specific initial BWP for Msg1-based SI request LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

[R2-2407173](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407173.zip) Correction on when featureCombination is empty Ericsson CR Rel-17 38.331 17.9.0 4801 1 F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core [R2-2404965](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404965.zip)

[R2-2407174](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407174.zip) Correction on when featureCombination is empty Ericsson CR Rel-18 38.331 18.2.0 4802 1 A NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core [R2-2404966](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404966.zip)

[R2-2406927](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406927.zip) Correction for CFRA configuration due to PRACH partitioning Huawei, HiSilicon CR Rel-17 38.331 17.9.0 4899 - F NR\_redcap-Core

[R2-2406928](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406928.zip) Correction for CFRA configuration due to PRACH partitioning Huawei, HiSilicon CR Rel-18 38.331 18.2.0 4900 - A NR\_redcap-Core, NR\_redcap\_enh-Core

Slicing

[R2-2406691](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406691.zip) Correction on Slicing based RACH Apple CR Rel-17 38.331 17.9.0 4884 - F NR\_slice-Core

[R2-2406692](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406692.zip) Correction on Slicing based RACH Apple CR Rel-18 38.331 18.2.0 4885 - A NR\_slice-Core

71 GHz

[R2-2406838](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406838.zip) Discussion on missing PRACH SCS configuration CATT discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2406839](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406839.zip) Correction on the missing PRACH SCS configuration CATT CR Rel-17 38.331 17.9.0 4891 - F NR\_ext\_to\_71GHz-Core

[R2-2406840](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406840.zip) Correction on the missing PRACH SCS configuration CATT CR Rel-18 38.331 18.2.0 4892 - F NR\_ext\_to\_71GHz-Core, TEI18

SON/MDT - Mobility history info

[R2-2406990](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406990.zip) Miscellaneous corrections to mobility history information ZTE Corporation, Sanechips CR Rel-17 38.331 17.9.0 4907 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2406991](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406991.zip) Miscellaneous corrections to mobility history information ZTE Corporation, Sanechips CR Rel-18 38.331 18.2.0 4908 - A NR\_ENDC\_SON\_MDT\_enh-Core

SON/MDT - Reestablishment at failed CHO

[R2-2407114](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407114.zip) Correction of reestablishmentCellId Nokia CR Rel-17 38.331 17.9.0 4924 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2407115](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407115.zip) Correction of reestablishmentCellId Nokia CR Rel-18 38.331 18.2.0 4925 - A NR\_ENDC\_SON\_MDT\_enh-Core

SON/MDT - RA report

[R2-2407340](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407340.zip) Corrections for RA resource related parameters in RA report Sharp discussion Rel-17

QoE

[R2-2407089](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407089.zip) Improvement of procedure text for QoE measurements Ericsson CR Rel-17 38.331 17.9.0 4923 - F NR\_QoE-Core

MBS

[R2-2407144](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407144.zip) Clarification on MBS broadcast acquisition Samsung, CATT, Nokia, LG Electronics Inc., Ericsson, Apple, Qualcomm Incorporated CR Rel-17 38.331 17.9.0 4926 - F NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core

[R2-2407150](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407150.zip) Clarification on MBS broadcast acquisition Samsung, CATT, Nokia, LG Electronics Inc., Ericsson, Apple, Qualcomm Incorporated CR Rel-18 38.331 18.2.0 4927 - A NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core

Power saving

[R2-2407371](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407371.zip) Clarification on the case the SIB17 is absent Google CR Rel-18 38.331 18.2.0 4947 - F NR\_UE\_pow\_sav\_enh-Core

CG-Config

[R2-2407428](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407428.zip) Discussion on indication of reserved SN-side NR-DC and aggregated BW resources Nokia discussion Rel-17 NR\_newRAT-Core, NR\_eMIMO-Core, NR\_BCS4-Core

[R2-2407429](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407429.zip) Correction to indication of reserved SN-side NR-DC and aggregated BW resources Nokia CR Rel-17 38.331 17.9.0 4952 - F NR\_newRAT-Core, NR\_eMIMO-Core, NR\_BCS4-Core

[R2-2407430](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407430.zip) Correction to indication of reserved SN-side NR-DC and aggregated BW resources Nokia CR Rel-18 38.331 18.2.0 4953 - F NR\_newRAT-Core, NR\_eMIMO-Core, NR\_BCS4-Core

Misc

[R2-2407519](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407519.zip) Miscellaneous non-controversial corrections Set XXII Ericsson CR Rel-16 38.331 16.17.0 4960 - F NR\_newRAT-Core, TEI16

[R2-2407081](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407081.zip) Miscellaneous non-controversial corrections Set XXII Ericsson CR Rel-17 38.331 17.9.0 4916 - F NR\_newRAT-Core, TEI17

[R2-2407082](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407082.zip) Miscellaneous non-controversial corrections Set XXII Ericsson CR Rel-18 38.331 18.2.0 4917 - A NR\_newRAT-Core, TEI18

NTN – Parallel cell lists – Handle Wednesday after morning coffee

[R2-2407528](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407528.zip) Clarification on parallel lists in MeasObjectNR Samsung CR Rel-17 38.331 17.9.0 4961 - F NR\_NTN\_solutions-Core

[R2-2407529](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407529.zip) Clarification on parallel lists in MeasObjectNR Samsung CR Rel-18 38.331 18.2.0 4962 - F NR\_NTN\_enh-Core

NTN - smtc4list – Handle Wednesday after morning coffee

[R2-2407300](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407300.zip) Clarification on smtc4list-r17 Huawei, HiSilicon CR Rel-17 38.331 17.9.0 4943 - F NR\_NTN\_solutions-Core

[R2-2407301](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407301.zip) Clarification on smtc4list-r17 Huawei, HiSilicon CR Rel-18 38.331 18.2.0 4944 - A NR\_NTN\_solutions-Core

NTN – Validity duration – Handle Wednesday after morning coffee

[R2-2406467](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406467.zip) Clarification on Validity Duration vivo, Ericsson CR Rel-17 38.331 17.9.0 4877 - F NR\_NTN\_solutions-Core

[R2-2406468](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406468.zip) Clarification on Validity Duration vivo, Ericsson CR Rel-18 38.331 18.2.0 4878 - A NR\_NTN\_solutions-Core

NTN – extended k1 range – Handle Wednesday after morning coffee

[R2-2406225](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406225.zip) LS on inconsistent issue between extended k1 range and RRC parameter DL-DataToUL-ACK-v1700 for R17 NTN [R4-2409974](https://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_111/Docs//R4-2409974.zip); contact: CMCC) RAN4 LS in Rel-18 NR\_ATG To:RAN2 Cc:RAN1

*Moved from 7.25.1*

[R2-2406862](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406862.zip) Discussion on the inconsistency issue in RAN4 LS [R2-2406225](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406225.zip) for Rel-17 NR NTN CATT discussion Rel-17 NR\_NTN\_solutions

*Moved from 7.25.1*

[R2-2406845](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406845.zip) On the Inconsistency between extended k1 range and DL-DataToUL-ACK-v1700 (RAN4 LS) Nokia discussion Rel-18 NR\_ATG-Core

*Moved from 7.25.1*

Withdrawn and old revisions

[R2-2407080](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407080.zip) Miscellaneous non-controversial corrections Set XXII Ericsson CR Rel-16 38.331 16.17.0 4915 - F NR\_newRAT-Core, TEI16 Withdrawn

[R2-2407500](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407500.zip) Correction on mappingPattern for mTRP DG/CG PUSCH repetition schemes Nokia CR Rel-17 38.331 17.9.0 4958 - F NR\_FeMIMO-Core

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

FR1/FR2 diff

[R2-2406817](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406817.zip) Corrections to UE capabilities related to Rel-17 URLLC and RedCap Huawei, HiSilicon discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core, NR\_redcap-Core

Enhanced channel raster

[R2-2407076](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407076.zip) Support of Enhanced channel raster by (e)RedCap UE Rel-17 Ericsson discussion Rel-17 NR\_redcap-Core

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

# 7 Rel-18

## 7.13 Further enhancement of data collection for SON MDT in NR and EN-DC

(NR\_ENDC\_SON\_MDT\_enh2-Core; leading WG: RAN3; REL-18; WID: [RP-221825](https://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_96/Docs//RP-221825.zip))

Includes LS in’s related to AI/ML for NG-RAN

Time budget: 0 TU

Tdoc Limitation: 1 tdocs

### 7.13.1 Organizational

Ls in and Rapporteur input. WI/Spec Rapporteur(s) are invited to provide updated open issues lists that need to be handled.

[R2-2406218](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406218.zip) Reply LS on MDT for NPN ([R3-243892](https://www.3gpp.org/ftp//tsg_ran/WG3_Iu/TSGR3_124/Docs//R3-243892.zip); contact: Ericsson) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2 Cc:SA2, SA5

[R2-2406219](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406219.zip) Reply LS to SA5 on improved KPIs involving end-to-end data volume transfer time analytics ([R3-243941](https://www.3gpp.org/ftp//tsg_ran/WG3_Iu/TSGR3_124/Docs//R3-243941.zip); contact: Nokia) RAN3 LS in Rel-18 NR\_AIML\_NGRAN-Core To:SA5 Cc:SA2, CT3, CT4, RAN2

[R2-2407117](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407117.zip) Stage 2 alignments with stage 3 specification Nokia, NEC CR Rel-18 37.320 18.2.0 0136 - F NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407338](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407338.zip) Miscellaneous corrections on R18 SONMDT for 36.331 Huawei, HiSilicon CR Rel-18 36.331 18.2.0 5050 - F NR\_ENDC\_SON\_MDT\_enh2-Core

*Moved from 7.13.2*

### 7.13.2 Corrections

[R2-2406997](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406997.zip) Miscellaneous SON corrections ZTE Corporation, Sanechips, CR Rel-18 38.331 18.2.0 4910 - F NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407000](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407000.zip) Corrections on SPR configuration CATT draftCR Rel-18 38.331 18.2.0 F NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407038](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407038.zip) RRC Corrections for SON/MDT Samsung, Ericsson discussion

[R2-2407118](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407118.zip) RAN2 impacts of RAN3 reply LS on MDT for NPN ([R2-2406218](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406218.zip)/[R3-243892](https://www.3gpp.org/ftp//tsg_ran/WG3_Iu/TSGR3_124/Docs//R3-243892.zip)) Nokia discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407217](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407217.zip) Addressing SONMDT issues Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407337](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407337.zip) Correction to 38.306 on SON reports Huawei, HiSilicon CR Rel-18 38.306 18.2.0 1146 - F NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2407367](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407367.zip) SCG failure information in fast MCG recovery MRO Sharp discussion Rel-18

[R2-2407373](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407373.zip) Correction on the successPSCell-Config handling Google CR Rel-18 38.331 18.2.0 4948 - F NR\_ENDC\_SON\_MDT\_enh2-Core

## 7.19 Enhanced support of reduced capability NR devices

(NR\_redcap\_enh-Core; leading WG: RAN1; REL-18; WID: [RP-232671](https://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_101/Docs//RP-232671.zip))

WI is declared 100% complete

Time budget: 0 TU

Tdoc Limitation: 1 Tdocs

### 7.19.1 Organizational

Incoming LSs, CR rapporteur’s miscellaneous non-controversial corrections, etc.

LS

[R2-2406205](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406205.zip) Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 ([C1-243517](https://www.3gpp.org/ftp//tsg_ct/WG1_mm-cc-sm_ex-CN1/TSGC1_149_India/Docs//C1-243517.zip); contact: Huawei) CT1 LS in Rel-18 NR\_redcap\_enh-Core To:SA2 Cc:CT4, RAN2, RAN3

Misc CRs

[R2-2407314](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407314.zip) Miscellaneous corrections on TS 38.304 for eRedCap Huawei, HiSilicon CR Rel-18 38.304 18.2.0 0411 - F NR\_redcap\_enh-Core, NR\_redcap-Core

Withdrawn

[R2-2407554](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407554.zip) Miscellaneous corrections on TS 38.321 for eRedCap vivo (Rapporteur) CR Rel-18 38.321 18.2.0 1920 - F NR\_redcap\_enh-Core Withdrawn

### 7.19.2 Other

*Critical corrections, if any.*

[R2-2406442](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406442.zip) Discussion on 2-step RACH for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2407315](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407315.zip) Corrections on some features application to (e)RedCap UE Huawei, HiSilicon draftCR Rel-18 38.306 18.2.0 NR\_redcap\_enh-Core, NR\_redcap-Core

Withdrawn

[R2-2407534](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407534.zip) MAC correction for eRedCap ZTE Corporation, Sanechips CR Rel-18 38.321 18.2.0 1919 - F NR\_redcap\_enh-Core

## 7.21 Further NR coverage enhancements

(NR\_cov\_enh2-Core; leading WG: RAN1; REL-18; WID: [RP-221858](https://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_96/Docs//RP-221858.zip))

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 7.21.1 Organizational

Incoming LSs, Rapporteur input etc.

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

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

[R2-2407419](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407419.zip) Miscellaneous corrections for further NR coverage enhancements in RRC Huawei, HiSilicon CR Rel-18 38.331 18.2.0 4951 - F NR\_cov\_enh2-Core

[R2-2407517](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407517.zip) Miscellaneous corrections on further NR Coverage enhancements in MAC ZTE Corporation CR Rel-18 38.321 18.2.0 1918 - F NR\_cov\_enh2-Core

### 7.21.2 Other Essential corrections

[R2-2406811](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406811.zip) Addition of missing prerequisite in the description of capability dynamicWaveformSwitchIntraCA-r18 Lenovo draftCR Rel-18 38.306 18.2.0 NR\_cov\_enh2-Core

[R2-2406922](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406922.zip) Conditional Presence for absence of field preambleTransMax-Msg1-Repetition Ericsson CR Rel-18 38.331 18.2.0 4897 - F NR\_cov\_enh2-Core

[R2-2407275](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407275.zip) RRC Correction on Msg1 based SI request with Msg1 Repetition Philips International B.V. CR Rel-18 38.331 18.2.0 4941 - F NR\_cov\_enh2-Core

[R2-2407278](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407278.zip) Correction on posSIB(s) acquisition for Msg1 based SI request with Msg1 Repetition [TEI17 SI-SCHEDULING] Philips International B.V., Ericsson CR Rel-18 38.331 18.2.0 4942 - F TEI17, NR\_cov\_enh2-Core

[R2-2407420](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407420.zip) Clarifications on initilization of RACH parameters during repetition fallback Huawei, HiSilicon CR Rel-18 38.321 18.2.0 1911 - F NR\_cov\_enh2-Core

# 8 Rel-19

## 8.10 SON/MDT Ph4

(NR\_ENDC\_SON\_MDT\_Ph4-Core; leading WG: RAN3; REL-19; WID: [RP-234038](https://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_102/Docs//RP-234038.zip))

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.10.1 Organizational

LS, Rapporteur input, including workplan, etc.

### 8.10.2 MRO enhancements for Rel-18 mobility features

LTM, CHO with candidate SCGs, subsequent CPAC

LTM

[R2-2407333](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407333.zip) Discussion on MRO enhancements for Rel-18 mobility features Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

*Focus on P1-P7*

Proposal 1: only the field description associated to the timeConnFailure IE needs to be updated accordingly. Otherwise, no specification impact for timeConnFailure and reconnectCellId is foreseen.

Proposal 2: introduce a new field in RLF report to indicate the LTM recovery cell.

Proposal 3: RAN2 include the specific access type in the RLF report, i.e. whether it is RA-based or RA-less cell switch.

Proposal 4: RAN2 include in the RLF report whether the network provides the TA in the cell switch command.

Proposal 5: RAN2 include in the RLF report the time since the last reception of PDCCH order towards the target cell till reception of cell switch command.

Proposal 6: In case the UE is configured with LTM config, the RA-based access could be one triggering condition for the SHR report.

Proposal 7: In case the UE is configured with LTM config, the HO interruption time could be one triggering condition for the SHR report.

[R2-2407064](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407064.zip) Discussion on MRO enhancement for LTM China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 1: Reuse the existing approach of using timeUntilReconnection in RLF-report also for LTM failure scenarios.

Proposal 2: Define and log timeSinceLTM-Reconfig (like timeSinceCHO-Reconfig) within RLF-report and SHR in LTM failure and near failure cases.

Proposal 3: RAN2 to discuss whether to log the following timing information in SON reports (e.g. RLF report) for LTM:

T3: the lapsed time between UE obtains the target cell TA measured by itself and the moment UE receives the cell switch command

T3’: the elapsed time between UE sends preamble according to PDDCH order and the moment UE receives the cell switch command

Proposal 4: RAN2 to discuss whether to log interruption time in SON reports (e.g. SHR) for LTM. The interruption time is defined as the elapsed time between UE receives cell switch command and the moment UE completes the first DL/UL reception/ transmission on the indicated beam of the target cell.

Proposal 5: Define and log ltmCandidate (similar like choCandidate) in SHR to indicate whether a neighbour cell is an LTM candidate cell or not.

Proposal 6: If available, log L3 measurements for serving cell, target cell and other LTM candidate cells in RLF report, upon RLF or mobility failure.

CHO with candidate SCGs

[R2-2407052](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407052.zip) MRO enhancements for Rel-18 mobility features Samsung discussion

*Focus on P3-1 and P3-2*

Proposal 3-1: UE includes following information in RLF report/SCGFailureInformation and SHR/SPR:

a. Identifier of fulfilled execution conditions for CHO and CPC

b. Time between fulfilment of CHO/CPC conditions and the occurrence of failure/near failure.

c. Measurement results of PCells and PSCells which are candidates for CHO with SCG.

Proposal 3-2: UE includes conditional reconfiguration identifier of the fulfilled condition in RLF report/SHR.

[R2-2407005](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407005.zip) Discussion on MRO Enhancements for Mobility CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

*Focus on P5-P7*

Proposal 5: For bullet “CHO with candidate SCG” in MRO enhancement for mobility, also consider the R18 leftover scenario of “CHO with target SCG”.

Proposal 6: RAN2 to consider how to associate the MCG failure/near failure and SCG failure/near failure information with the following two options:

Option 1: UE records the MCG failure/near failure and SCG failure/near failure information in the same report;

Option 2: UE records the MCG failure/near failure and SCG failure/near failure information in different reports, and the association information is needed in the two reports.

Proposal 7: The timing different threshold between PCell execution condition being fulfilled and PSCell execution condition being fulfilled is considered as the trigger condition for successful CHO with candidate SCGs execution.

Subsequent CPAC

[R2-2406959](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406959.zip) Discussion on MRO enhancements for R18 mobility features CMCC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

*Focus on P12*

Proposal 12: Include the subsequent CPAC related information in MHI, e.g. the visited SCPAC candidate PSCell(s), the time stays in the candidate PSCell(s), the PSCell(s) measurement result with the indication about the PSCell(s) is for SCPAC, etc.

[R2-2406883](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406883.zip) Discussion on MRO for R18 mobility Lenovo discussion Rel-19

*Focus on P11 and P12*

Proposal 11: An indication concerning the SCG Failure Information message is for an initial CPAC execution or a following subsequent CPC execution may be included in the SCG Failure Information message.

Proposal 12: RAN2 to discuss whether SPR can be reused for subsequent CPAC.

[R2-2406527](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406527.zip) Discussion on random access report for LTM ASUSTeK discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407065](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407065.zip) Discussion on MRO enhancement for CHO with candidate SCGs China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407094](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407094.zip) MRO enhancements for LTM NEC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407029](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407029.zip) MRO for Rel-18 mobility ZTE Corporation, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407095](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407095.zip) MRO for CHO with candidate SCG(s) NEC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407099](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407099.zip) MRO enhancement for SON and MDT Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407105](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407105.zip) MRO for R18 Mobility LG Electronics discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407119](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407119.zip) MRO for LTM Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407120](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407120.zip) MRO for CHO with candidate SCG Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407122](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407122.zip) Configuring UE based TA acquisition for LTM Rakuten Mobile, Inc discussion Rel-19

[R2-2407191](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407191.zip) SON/MDT reports for LTM Kyocera discussion

[R2-2407218](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407218.zip) SON support for MRO Ericsson discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407362](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407362.zip) Discussion on MRO enhancement for R18 mobility features Sharp discussion

[R2-2407386](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407386.zip) MRO for Rel-18 mobility features vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

### 8.10.3 SON/MDT for Slicing

No contributions are expected and this AI will not be treated in RAN2#127, in wait for RAN3 progresses

### 8.10.4 SON/MDT for NTN

No contributions are expected and this AI will not be treated in RAN2#127, in wait for RAN3 progresses

[R2-2407106](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407106.zip) Logging for Unchanged PCI Mobility in NTN LG Electronics discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

### 8.10.5 Leftovers from Rel-18

RACH optimization for SDT, MHI Enhancement for SCG Deactivation/Activation, MRO for MR-DC SCG failure

SCG act/deact info

[R2-2406986](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406986.zip) MHI Enhancement for SCG Deactivation/Activation CMCC, CATT, Ericsson, ZTE, Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal: Include in MHI the information of SCG activation/deactivation, e.g., the time of SCG activation, or percentage of time that SCG activation.

[R2-2407100](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407100.zip) SON and MDT Rel-18 leftover issues Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

*Focus on P3*

Proposal 3 Send LS to RAN3 to confirm the feasibility of network based solution for collecting percentage of time spent in the PSCell in activated state or deactivated state.

MR-DC SCG failure

[R2-2406884](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2406884.zip) Discussion on MRO for MR-DC SCG failure Lenovo discussion Rel-19

Proposal 1: To support MRO for SCG failure in EN-DC, enhance SCGFailureInformationNR message to include previousPSCellId, failedPSCellId, timeSCGFailure and RA info.

Proposal 2: To support MRO for SCG failure in EN-DC, RAN2 to discuss whether to introduce a new inter-node message or reuse the CG-ConfigInfo inter-node message to forward SCG failure information from MN to SN.

SDT

[R2-2407037](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407037.zip) SON/MDT enhancements for leftover topics from R18 Samsung discussion

*Focus on P3 and P4*

Proposal 3: If the UE evaluates if it should perform SDT, UE logs sdt-RSRP-Threshold.

Proposal 4: UE logs the following failure causes of SDT to the network:

• if indication from the MCG RLC that the maximum number of retransmissions has been reached is received while SDT procedure is ongoing.

• if random access problem indication is received from MCG MAC while SDT procedure is ongoing.

• if the lower layers indicate that cg-SDT-TimeAlignmentTimer or the configuredGrantTimer expired before receiving network response for the UL CG-SDT transmission with CCCH message while SDT procedure is ongoing.

• if integrity check failure indication is received from lower layers while SDT procedure is ongoing.

• if T319a expires.

[R2-2407006](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407006.zip) Consideration on leftovers from Rel-18 SONMDT CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407030](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407030.zip) Rel-18 leftovers for SON MDT ZTE Corporation, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407249](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407249.zip) On Rel.18 leftovers Ericsson discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407334](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407334.zip) Discussion on support of the Rel-18 leftovers Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2407364](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407364.zip) Discussion on R18 leftovers for SON MDT Sharp discussion

[R2-2407387](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_127/Docs//R2-2407387.zip) RACH optimization for SDT vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

# Summary

**Email discussions:**

[ [AT127][600] Organizational – Maintenance, Covenh, SON/MDT and eRedCap (Ericsson)](#_Toc174958862)

[ [AT126][6XX][WI-code] Example (Company)](#_Toc174958863)

**Comebacks:**

No table of figures entries found.

# Note to self (For Mattias)

**Tdoc number assignment (to be allocated by Mattias):**

R2-2407631

R2-2407632

R2-2407633

R2-2407634

R2-2407635

R2-2407636

R2-2407637

R2-2407638

R2-2407639

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R2-2407694

R2-2407695

R2-2407696

R2-2407697

R2-2407698

R2-2407699

R2-2407700

**Templates:**

* [AT126][6XX][WI-code] Example (Company)

Scope:

* + - Produce agreeable CRs
    - Produce approvable LS

      Intended outcome:

* + - Agreed CRs in X (Company)
    - Approved LS in X (Company)

     Deadline:

* + - Thursday lunch. Intention is to agree the CRs over email.
    - Friday morning session