3GPP TSG-RAN WG2 Meeting #126 R2-2405707

Fukuoka, Japan May 20th – 26th, 2024

Source: Session chair (Ericsson)

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

* [AT126][750] Organizational – Maintenance 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](file:///C%3A%5CTemp%5CDocs%5CRP-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](file:///C%3A%5CTemp%5CDocs%5CRP-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-15 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)

### 4.1.0 In-principle agreed CRs

### 4.1.1 Other

Resume

[R2-2404516](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404516.zip) Further corrections to RRCConnectionResume in LTE RRC Lenovo discussion Rel-14 TEI14

Proposal 1: From Rel-14 onwards replace field name "rrcConnectionResume-v1430-IEs" by "nonCriticalExtension" in RRCConnectionResume-r13-IEs.

Proposal 2: From Rel-15 onwards replace field name "rrcConnectionResume-v1510-IEs" by "nonCriticalExtension" in RRCConnectionResume-v1430-IEs.

Proposal 3: From Rel-17 onwards correct the need code for the field scg-State-r17 to “Need ON”.

Disc:

- CATT are OK with P1 and P2 but think that for P3, it should not be ON. Huawei agrees with CATT. Lenovo thinks that there are rules when using OP, we need to specify what the UE shall do when the field is absent. QC agrees with Lenovo. Huawei instead wants to see if we can clarify in the procedural text instead, and want to come back to this in a later meeting.

* From Rel-14 onwards replace field name "rrcConnectionResume-v1430-IEs" by "nonCriticalExtension" in RRCConnectionResume-r13-IEs.
* From Rel-15 onwards replace field name "rrcConnectionResume-v1510-IEs" by "nonCriticalExtension" in RRCConnectionResume-v1430-IEs.

NTN

[R2-2405120](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405120.zip) Adding definition of earth-moving cell for IoT NTN Huawei, HiSilicon, ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell, CATT, Intel Corporation CR Rel-17 36.331 17.8.0 5019 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2405121](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405121.zip) Adding definition of earth-moving cell for IoT NTN Huawei, HiSilicon, ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell, CATT, Intel Corporation CR Rel-18 36.331 18.1.0 5020 - A LTE\_NBIOT\_eMTC\_NTN

* Merged by spec rapporteur in his rapporteur’s CR

[R2-2405452](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405452.zip) IoT NTN Kmac correction Ericsson CR Rel-17 36.300 17.7.0 1402 - F LTE\_NBIOT\_eMTC\_NTN-Core

Moved from 7.6.1

- NTN-session chair (ZTE) explains that there was a R18 CR agreed and now Ericsson found out this change should be backported to R17. So to make things neat, we should update both CRs to a R17 cat F which explains neutrally what needs to be done and then have a R18 Cat A CR.

* [AT126][751][Maint] IoT NTN Kmac correction (Ericsson)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CRs in R2-2405801 (Rel17) and R2-2405802 (Rel18) (Ericsson)

     Deadline:

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

[R2-2405801](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405801.zip) IoT NTN Kmac correction Ericsson CR Rel-17 36.300 17.7.0 1402 1 F LTE\_NBIOT\_eMTC\_NTN-Core [R2-2405452](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405452.zip)

[R2-2405802](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405802.zip) IoT NTN Kmac correction Ericsson CR Rel-18 36.300 18.1.0 1403 - A LTE\_NBIOT\_eMTC\_NTN-Core

* Both agreed

[R2-2405752](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405752.zip) IoT NTN measurement corrections Ericsson CR Rel-18 36.300 18.1.0 1401 2 F LTE\_NBIOT\_eMTC\_NTN-Core

* Agreed

Misc

[R2-2405397](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405397.zip) Miscellaneous Corrections for TS 36.331 Samsung, Qualcomm CR Rel-14 36.331 14.16.0 5023 - F TEI14, TEI10

[R2-2405398](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405398.zip) Miscellaneous Corrections for TS 36.331 Samsung, Qualcomm CR Rel-15 36.331 15.21.0 5024 - F TEI14, TEI10, LTE\_NBIOT\_eMTC\_NTN

[R2-2405399](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405399.zip) Miscellaneous Corrections for TS 36.331 Samsung, Qualcomm CR Rel-16 36.331 16.15.0 5025 - A TEI14, TEI10, LTE\_NBIOT\_eMTC\_NTN

[R2-2405400](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405400.zip) Miscellaneous Corrections for TS 36.331 Samsung, Qualcomm CR Rel-17 36.331 17.8.0 5026 - F TEI14, TEI10, LTE\_NBIOT\_eMTC\_NTN, TEI17, NR\_ext\_to\_71GHz-Core

[R2-2405401](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405401.zip) Miscellaneous Corrections for TS 36.331 Samsung, Qualcomm CR Rel-18 36.331 18.1.0 5027 - F TEI14, LTE\_NBIOT\_eMTC\_NTN, TEI10, TEI17, NR\_ext\_to\_71GHz-Core, NR\_mobile\_IAB-Core

* [Post126][751][Maint] Miscellaneous Corrections for TS 36.331 (Samsung)

Scope:

* + - Review 36.331 rapporteurs misc CRs.

      Intended outcome:

* + - Agreed CRs in R2-2405803, R2-2405804, R2-2405805, R2-2405806, R2-2405807 (Samsung)

     Deadline:

* + - Short

# 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 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](file:///C%3A%5CTemp%5CDocs%5CRP-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](file:///C%3A%5CTemp%5CDocs%5CRP-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](file:///C%3A%5CTemp%5CDocs%5CRP-190713.zip))

(RACS-RAN-Core, leading WG: RAN2; REL-16; started: Mar 19; completed: Jun 20; WID: [RP-191088](file:///C%3A%5CTemp%5CDocs%5CRP-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](file:///C%3A%5CTemp%5CDocs%5CRP-191997.zip);)

(NR\_L1enh\_URLLC-Core, leading WG: RAN1; REL-16; Completed: June 20; WID: [RP-191584](file:///C%3A%5CTemp%5CDocs%5CRP-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](file:///C%3A%5CTemp%5CDocs%5CRP-192277.zip)).

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: [RP-191776](file:///C%3A%5CTemp%5CDocs%5CRP-191776.zip))

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

(NR TEI16)

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

### 5.1.1 Stage 2 and Organisational

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

[R2-2404124](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404124.zip) Reply LS on combination of HST and RRM relaxation ([R4-2403532](https://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_110/Docs//R4-2403532.zip); contact: Apple) RAN4 LS in Rel-16 NR\_HST, NR\_UE\_pow\_sav-Core To:RAN2

* Noted

[R2-2404133](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404133.zip) LS on 5GS missing CBC support for shared networks ([S2-2405210](https://www.3gpp.org/ftp//tsg_sa/WG2_Arch/TSGS2_161_Athens_2024-02/Docs//S2-2405210.zip); contact: Ericsson) SA2 LS in Rel-15 5GS\_Ph1 To:CT1 Cc:RAN2, RAN3, SA1

* Noted

#### 5.1.1.0 In-principle agreed CRs

[R2-2405727](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405727.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-15 38.300 15.16.0 0843 2 F NR\_newRAT-Core [R2-2404360](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404360.zip)

[R2-2405728](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405728.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.15.0 0844 2 A NR\_newRAT-Core [R2-2404361](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404361.zip)

[R2-2405729](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405729.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0845 2 A NR\_newRAT-Core [R2-2404362](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404362.zip)

[R2-2405730](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405730.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0846 2 A NR\_newRAT-Core [R2-2404363](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404363.zip)

[R2-2404670](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404670.zip) Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.15.0 0839 1 F NR\_HST, NR\_UE\_pow\_sav-Core [R2-2402869](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402869.zip)

[R2-2405624](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405624.zip) Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0840 2 A NR\_UE\_pow\_sav-Core, NR\_HST [R2-2404671](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404671.zip)

[R2-2405625](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405625.zip) Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0841 2 A NR\_UE\_pow\_sav-Core, NR\_HST [R2-2404672](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404672.zip)

* All above are agreed

Old revisions

[R2-2404671](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404671.zip) Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0840 1 A NR\_HST, NR\_UE\_pow\_sav-Core [R2-2402870](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402870.zip) Revised

[R2-2404672](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404672.zip) Clarification on the combination of HST and RRM measurement relaxation Apple, Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0841 1 A NR\_HST, NR\_UE\_pow\_sav-Core [R2-2402871](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402871.zip) Revised

[R2-2404360](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404360.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-15 38.300 15.16.0 0843 1 F NR\_newRAT-Core [R2-2403004](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403004.zip)

[R2-2404361](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404361.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.15.0 0844 1 A NR\_newRAT-Core [R2-2403005](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403005.zip)

[R2-2404362](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404362.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-17 38.300 17.8.0 0845 1 A NR\_newRAT-Core [R2-2403006](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403006.zip)

[R2-2404363](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404363.zip) Correction to UE capability description for fallback BC behavior Ericsson, Nokia (Rapporteur) CR Rel-18 38.300 18.1.0 0846 1 A NR\_newRAT-Core [R2-2403007](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403007.zip)

#### 5.1.1.1 Other

### 5.1.3 Control Plane corrections

#### 5.1.3.0 In-principle agreed CRs

[R2-2404962](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404962.zip) Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-16 38.331 16.16.0 4702 1 F NR\_IAB-Core [R2-2403171](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403171.zip)

[R2-2404963](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404963.zip) Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-17 38.331 17.8.0 4703 1 A NR\_IAB-Core [R2-2403172](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403172.zip)

[R2-2404964](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404964.zip) Dummy the rrc-TransactionIdentifier field from IABOtherInformation Ericsson CR Rel-18 38.331 18.1.0 4704 1 A NR\_IAB-Core [R2-2403173](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403173.zip)

* All above are agreed

#### 5.1.3.1 NR RRC

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

Configured grant

[R2-2404465](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404465.zip) Clarification of configured grant in shared spectrum Xiaomi CR Rel-16 38.331 16.16.0 4778 - F NR\_unlic-Core

* Agreed

[R2-2404466](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404466.zip) Clarification of configured grant in shared spectrum Xiaomi, OPPO CR Rel-17 38.331 17.8.0 4779 - A NR\_unlic-Core

* Category should be F instead of A, with this the CR is Agreed unseen in R2-2405808

[R2-2404467](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404467.zip) Clarification of configured grant in shared spectrum Xiaomi, OPPO CR Rel-18 38.331 18.1.0 4780 - A NR\_unlic-Core

* Agreed

- Qualcomm agrees to those, but think that the R17 CR is not a Cat A since it has different changes.

SRVCC

[R2-2405724](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405724.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-16 38.331 16.16.0 4804 1 F SRVCC\_NR\_to\_UMTS-Core [R2-2405009](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405009.zip)

[R2-2405725](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405725.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-17 38.331 17.8.0 4805 1 A SRVCC\_NR\_to\_UMTS-Core [R2-2405010](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405010.zip)

[R2-2405726](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405726.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-18 38.331 18.1.0 4806 1 A SRVCC\_NR\_to\_UMTS-Core [R2-2405011](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405011.zip)

- CATT agrees with this CR and think that this was the original intention and think that there is no point in including UTRA-FDD capas if the UE doesn’t support SRVCC. Lenovo thinks that the NW would simply not ask the UTRA-FDD capas if the UE doesn’t support SRVCC, and if the NW does the UE can ignore the request, Lenovo thinks we can clarify this in chair notes. Ericsson thinks the NW doesn’t know the UE’s SRVCC capas at that point in time, but agrees with Lenovo that the UE can ignore sending the capas. Apple wants to add a note saying that NW should not ask for the capas. Ericsson is not OK with such a note. Nokia understand the issue but think the spec is fine as it is.

* RAN2 understands that the UE can ignore sending UTRA-FDD capabilities to the NR gNB if it does not support SRVCC. No spec change needed.

ETWS/CMAS

[R2-2405175](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405175.zip) Clarification on SIB1 reception for ETWS/CMAS Samsung, Ericsson CR Rel-15 38.331 15.25.0 4817 - F NR\_newRAT-Core

[R2-2405176](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405176.zip) Clarification on SIB1 reception for ETWS/CMAS Samsung, Ericsson CR Rel-16 38.331 16.16.0 4818 - A NR\_newRAT-Core

[R2-2405177](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405177.zip) Clarification on SIB1 reception for ETWS/CMAS Samsung, Ericsson CR Rel-17 38.331 17.8.0 4819 - A NR\_newRAT-Core

[R2-2405178](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405178.zip) Clarification on SIB1 reception for ETWS/CMAS Samsung, Ericsson CR Rel-18 38.331 18.1.0 4820 - A NR\_newRAT-Core

- Nokia thinks this clarification is not needed since SIB6, SIB7 and SIB8 in the current note is sufficient and implies SIB1. Samsung thinks that it was discussed earlier and common understanding that the behaviour applies also to SIB1 so it would be good to capture in the note. Ericsson also want to capture this explicitly since this has been a long and tedious discussion, as a compromise we can consider capturing it from R18. Qualcomm agrees with the CRs. Nokia could accept the CRs if there is a majority wanting them, but thinks this is too much details anyway.

* All 4 agreed

Security algorithms

[R2-2405393](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405393.zip) Discussion on Applying Security Algorithm in EN-DC Samsung discussion Rel-15

• Solution 1

Upon both HO and the configuration of RBs configured with NR PDCP, if UE has received RRCConnectionReconfiguration including NR security algorithms only, for RBs configured with LTE PDCP, UE shall apply the received NR security algorithms (or LTE security algorithms identical to the received NR security algorithm), and release LTE security algorithms the currently configured.

• Solution 2

Upon both HO and the configuration of RBs configured with NR PDCP, if UE has received RRCConnectionReconfiguration including NR security algorithms only, for RBs configured with LTE PDCP, UE shall ignore the received NR security algorithms, and apply LTE security algorithms the currently configured.

• Solution 3

Upon both HO and the configuration of RBs configured with NR PDCP, for RBs configured with LTE PDCP, the network always configures LTE security algorithms in the IE SecurityConfigHO

- Ericsson think this is not a reasonable scenario that the NW only changes the MN security, not at the SN, so it never happen. Qualcomm think that its up to NW. CATT think that NW can handle it. Huawei agrees NW should handle this for MN-terminated bearers but it is a different case for SN-terminated bearers.

* RAN2 understands that for MN-terminated bearers, upon both HO and configuration of RBs, if the NW changes security algorithms, the network aligns the security algorithms for NR and LTE PDCP.

Transaction identifier

[R2-2405675](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405675.zip) Clarification on when to include the rrc-TransactionIdentifier Ericsson CR Rel-15 38.331 15.25.0 4852 - F NR\_newRAT-Core

[R2-2405676](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405676.zip) Clarification on when to include the rrc-TransactionIdentifier Ericsson CR Rel-16 38.331 16.16.0 4853 - A NR\_newRAT-Core

[R2-2405677](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405677.zip) Clarification on when to include the rrc-TransactionIdentifier Ericsson CR Rel-17 38.331 17.8.0 4854 - A NR\_newRAT-Core

[R2-2405678](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405678.zip) Clarification on when to include the rrc-TransactionIdentifier Ericsson CR Rel-18 38.331 18.1.0 4855 - A NR\_newRAT-Core

* Not pursued

Old revisions

[R2-2405009](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405009.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-16 38.331 16.16.0 4804 - F SRVCC\_NR\_to\_UMTS-Core

[R2-2405010](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405010.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-17 38.331 17.8.0 4805 - A SRVCC\_NR\_to\_UMTS-Core

[R2-2405011](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405011.zip) Clarification on UE capability reporting for UTRA-FDD MediaTek Inc. CR Rel-18 38.331 18.1.0 4806 - A SRVCC\_NR\_to\_UMTS-Core

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

Bandwidth support

[R2-2404450](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404450.zip) Correction to mandatory supported capability of channel bandwidth CAICT CR Rel-15 38.306 15.24.0 1092 - F NR\_newRAT-Core

[R2-2404451](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404451.zip) Correction to mandatory supported capability of channel bandwidth CAICT CR Rel-16 38.306 16.16.0 1093 - A NR\_newRAT-Core Late

[R2-2404452](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404452.zip) Correction to mandatory supported capability of channel bandwidth CAICT CR Rel-17 38.306 17.8.0 1094 - A NR\_newRAT-Core Late

[R2-2404453](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404453.zip) Correction to mandatory supported capability of channel bandwidth CAICT CR Rel-18 38.306 18.1.0 1095 - A NR\_newRAT-Core Late

- Huawei thinks this is NBC. Ericsson thinks that we should not touch this now, the current spec works. Qualcomm acknowledges that this part of the spec is not beautify but it works and better not to change it. Can discuss more offline if a change is needed.

* Not pursued, unless critical issues are found

Two PUCCH groups

[R2-2404701](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404701.zip) Discussion on UE capabilities for two PUCCH groups Qualcomm Incorporated, Ericsson, ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

* RAN2 will not specify that twoPUCCH-Group (FG6-7) is a prerequisite of diffNumerologyAcrossPUCCH-Group (FG6-8).

[R2-2404702](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404702.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-16 38.306 16.16.0 1018 2 F TEI16 [R2-2402956](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402956.zip)

[R2-2404703](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404703.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-17 38.306 17.8.0 1019 2 A TEI16 [R2-2402957](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402957.zip)

[R2-2404704](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404704.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-18 38.306 18.1.0 1020 2 A TEI16 [R2-2402958](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402958.zip)

* All 3 agreed

PUSCH-less SCell

[R2-2404724](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404724.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r15) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-15 38.306 15.24.0 1100 - F NR\_newRAT-Core

[R2-2404725](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404725.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r16) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-16 38.306 16.16.0 1101 - A NR\_newRAT-Core

[R2-2404726](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404726.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r17) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-17 38.306 17.8.0 1102 - A NR\_newRAT-Core

[R2-2404727](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404727.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r18) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-18 38.306 18.1.0 1103 - A NR\_newRAT-Core

- ZTE explains that they received some comments offline and the CRs needs to be revised. Also there are cover page and styling issues.

* [AT126][752][Maint] Clarification on the SRS Carrier Switching for the PUSCH-less Cell (ZTE)

Scope:

* + - Polish CRs, including fixing styling issues, etc.

      Intended outcome:

* + - Agreeable CRs in R2-2405809, R2-2405810, R2-2405811 and R2-2405812 (ZTE)

     Deadline:

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

[R2-2405809](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405809.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r15) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-15 38.306 15.24.0 1100 1 F NR\_newRAT-Core [R2-2404724](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404724.zip)

[R2-2405810](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405810.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r16) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-16 38.306 16.16.0 1101 1 A NR\_newRAT-Core [R2-2404725](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404725.zip)

[R2-2405811](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405811.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r17) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-17 38.306 17.8.0 1102 1 A NR\_newRAT-Core [R2-2404726](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404726.zip)

[R2-2405812](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405812.zip) Clarification on the SRS Carrier Switching for the PUSCH-less Cell (r18) ZTE Corporation, Sanechips, Ericsson, Samsung CR Rel-18 38.306 18.1.0 1103 1 A NR\_newRAT-Core [R2-2404727](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404727.zip)

* All 4 agreed

Parallel Tx

[R2-2404728](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404728.zip) Clarification on the parallel Tx Capability (r15) ZTE Corporation, Sanechips, Ericsson CR Rel-15 38.306 15.24.0 1104 - F NR\_newRAT-Core

[R2-2404729](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404729.zip) Clarification on the parallel Tx Capability (R16) ZTE Corporation, Sanechips, Ericsson CR Rel-16 38.306 16.16.0 1105 - A NR\_newRAT-Core, NR\_2step\_RACH

[R2-2404730](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404730.zip) Clarification on the parallel Tx Capability (R17) ZTE Corporation, Sanechips, Ericsson CR Rel-17 38.306 17.8.0 1106 - A TEI17, NR\_newRAT-Core, NR\_2step\_RACH, NR\_IIOT\_URLLC\_enh

[R2-2404731](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404731.zip) Clarification on the parallel Tx Capability (R18) ZTE Corporation, Sanechips, Ericsson CR Rel-18 38.306 18.1.0 1107 - A TEI17, NR\_newRAT-Core, NR\_2step\_RACH, NR\_IIOT\_URLLC\_enh

* Fix styling issues. Agreed unseen in R2-2405813, R2-2405814, R2-2405815 and R2-240581.

SDL

[R2-2405505](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405505.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-15 38.306 15.24.0 1116 - F NR\_newRAT-Core

[R2-2405506](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405506.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-16 38.306 16.16.0 1117 - A NR\_newRAT-Core

[R2-2405507](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405507.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1118 - A NR\_newRAT-Core

[R2-2405508](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405508.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1119 - A NR\_newRAT-Core

- Nokia has concerns with wording and want to polish it. Qualcomm wants to add SDL in the abbreviation section, or at least clarify somehow somewhere what SDL is.

* [AT126][753][Maint] Clarification on xDD differentiation for SDL bands (Huawei)

Scope:

* + - Polish CRs to sort out and/or issues and see if clarification of SDL is needed.

      Intended outcome:

* + - Agreeable CRs in R2-2405817, R2-2405818, R2-2405819 and R2-2405820, (Company)

     Deadline:

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

[R2-2405817](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405817.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-15 38.306 15.24.0 1116 1 F NR\_newRAT-Core [R2-2405505](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405505.zip)

[R2-2405818](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405818.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-16 38.306 16.16.0 1117 1 A NR\_newRAT-Core [R2-2405506](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405506.zip)

[R2-2405819](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405819.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1118 1 A NR\_newRAT-Core [R2-2405507](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405507.zip)

[R2-2405820](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405820.zip) Clarification on xDD differentiation for SDL bands Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1119 1 A NR\_newRAT-Core [R2-2405508](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405508.zip)

* All 4 agreed

Misc

[R2-2404529](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404529.zip) Miscellaneous non-controversial rapporteur corrections Intel Corporation CR Rel-16 38.306 16.16.0 1096 - F NR\_newRAT-Core, NR\_eMIMO-Core, NR\_unlic-Perf, 5G\_V2X\_NRSL-Core

* Agreed

#### 5.1.3.3 Other

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

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

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

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

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

Tdoc limitation: 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)

#### 6.1.1.0 In-principle agreed CRs

[R2-2404720](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404720.zip) Clarification on the srs-AntennaSwitchingBeyond4RX-r17 ZTE Corporation, Sanechips CR Rel-17 38.306 17.8.0 1075 1 F NR\_FeMIMO-Core [R2-2403433](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403433.zip)

[R2-2404721](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404721.zip) Clarification on the srs-AntennaSwitchingBeyond4RX-r17 ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1076 1 A NR\_FeMIMO-Core [R2-2403434](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403434.zip)

[R2-2404722](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404722.zip) Correction on the supportedBandwidthDL/UL-v1780 for the NR-DC (r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.8.0 1077 1 F NR\_BCS4-Core [R2-2403438](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403438.zip)

[R2-2404723](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404723.zip) Correction on the supportedBandwidthDL/UL-v1780 for the NR-DC (r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.1.0 1078 1 A NR\_BCS4-Core [R2-2403439](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403439.zip)

* All above agreed.

#### 6.1.1.1 Other

NTN

[R2-2404404](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404404.zip) Terminology alignment on the types of NR NTN deployment CATT, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, ZTE Corporation, Sanechips CR Rel-17 38.300 17.8.0 0861 - F NR\_NTN\_solutions-Core

[R2-2404405](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404405.zip) Terminology alignment on the types of NR NTN deployment CATT, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, ZTE Corporation, Sanechips CR Rel-18 38.300 18.1.0 0862 - A NR\_NTN\_solutions-Core

* Both agreed

MBS

[R2-2405278](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405278.zip) Reference for User Service Description Nokia (Rapporteur), Ericsson, Xiaomi, Qualcomm Incorporated CR Rel-17 38.300 17.8.0 0865 - F NR\_MBS-Core

[R2-2405279](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405279.zip) Reference for User Service Description Nokia (Rapporteur), Ericsson, Xiaomi, Qualcomm Incorporated CR Rel-18 38.300 18.1.0 0866 - A NR\_MBS-Core

* Both agreed

### 6.1.3 Control Plane corrections

#### 6.1.3.0 In Principle Agreed CRs

[R2-2405718](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405718.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.306 17.8.0 1060 2 F NR\_SON\_MDT-Core, NR\_redcap-Core [R2-2404178](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404178.zip)

[R2-2405719](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405719.zip) CEF and RLF reporting for (e)RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-18 38.306 18.1.0 1061 2 A NR\_SON\_MDT-Core, NR\_redcap-Core, NR\_redcap\_enh-Core [R2-2404179](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404179.zip)

[R2-2405720](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405720.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.331 17.8.0 4647 2 F NR\_SON\_MDT-Core, NR\_redcap-Core [R2-2404180](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404180.zip)

[R2-2405721](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405721.zip) CEF and RLF reporting for (e)RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-18 38.331 18.1.0 4648 2 A NR\_SON\_MDT-Core, NR\_redcap-Core, NR\_redcap\_enh-Core [R2-2404181](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404181.zip)

[R2-2404698](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404698.zip) Correction on TRS for idle and inactive UEs CATT, Ericsson CR Rel-18 38.300 18.1.0 0836 2 F NR\_UE\_pow\_sav\_enh-Core [R2-2403847](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403847.zip)

[R2-2404845](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404845.zip) Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-17 38.331 17.8.0 4745 1 F NR\_NTN\_solutions-Core [R2-2403466](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403466.zip)

[R2-2404846](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404846.zip) Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-18 38.331 18.1.0 4746 1 A NR\_NTN\_solutions-Core [R2-2403467](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403467.zip)

[R2-2404847](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404847.zip) Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-17 38.306 17.8.0 1082 1 F NR\_NTN\_solutions-Core [R2-2403468](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403468.zip)

[R2-2404848](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404848.zip) Clarification on usage of LEO or NGSO MediaTek Inc. CR Rel-18 38.306 18.1.0 1083 1 A NR\_NTN\_solutions-Core [R2-2403470](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403470.zip)

[R2-2404988](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404988.zip) Clarification on TRS in idle and inactive Ericsson, MediaTek, ZTE, Nokia, Huawei, HiSilicon, Apple, CATT CR Rel-17 38.331 17.8.0 4754 2 F NR\_UE\_pow\_sav\_enh-Core [R2-2403848](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403848.zip)

Moved from 6.1.3.1

[R2-2404989](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404989.zip) Correction on TRS in idle and inactive Ericsson, MediaTek, ZTE, Nokia, Huawei, HiSilicon, Apple, CATT CR Rel-18 38.331 18.1.0 4755 2 F NR\_UE\_pow\_sav\_enh-Core [R2-2403849](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403849.zip)

Moved from 6.1.3.1

[R2-2405717](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405717.zip) Clarification RLM/BFD relaxation and short DRX Ericsson, Nokia, Qualcomm, Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4770 2 F NR\_UE\_pow\_sav\_enh-Core [R2-2404990](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404990.zip)

[R2-2404991](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404991.zip) Clarification RLM/BFD relaxation and short DRX Ericsson, Nokia, Qualcomm, Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4771 1 F NR\_UE\_pow\_sav\_enh-Core [R2-2403863](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403863.zip)

Moved from 6.1.3.1

[R2-2404522](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404522.zip) Correction CR for QoE measurements and conditional handover Ericsson, China Unicom CR Rel-18 38.331 18.1.0 4713 1 F NR\_QoE-Core [R2-2403251](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403251.zip)

* All above agreed

[R2-2404237](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404237.zip) Correction to PDCP configuration for multicast MRB MediaTek inc. CR Rel-17 38.331 17.8.0 4652 1 F NR\_MBS-Core [R2-2402294](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402294.zip)

[R2-2404239](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404239.zip) Correction to PDCP configuration for multicast MRB MediaTek Inc. CR Rel-18 38.331 18.1.0 4651 1 A NR\_MBS-Core [R2-2402293](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402293.zip)

- QC says that to align with other parts of the spec, we should update the wording and say only “The first/leftmost bit of the bit string contains the most significant bit.”

* Update to say only “The first/leftmost bit of the bit string contains the most significant bit”. Agreed unseen in R2-2405829 and R2-2405830

Old revisions

[R2-2404990](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404990.zip) Clarification RLM/BFD relaxation and short DRX Ericsson, Nokia, Qualcomm, Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4770 1 F NR\_UE\_pow\_sav\_enh-Core [R2-2403862](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403862.zip)

Moved from 6.1.3.1

[R2-2404178](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404178.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.306 17.8.0 1060 1 F NR\_SON\_MDT-Core, NR\_redcap-Core [R2-2402238](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402238.zip)

[R2-2404179](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404179.zip) CEF and RLF reporting for (e)RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-18 38.306 18.1.0 1061 1 A NR\_SON\_MDT-Core, NR\_redcap-Core, NR\_redcap\_enh-Core [R2-2402239](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402239.zip)

[R2-2404180](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404180.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc., Qualcomm Incorporated, Nordic Semiconductor ASA, Ericsson CR Rel-17 38.331 17.8.0 4647 1 F NR\_SON\_MDT-Core, NR\_redcap-Core [R2-2402240](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2402240.zip)

#### 6.1.3.1 NR RRC

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

QoE

[R2-2405658](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405658.zip) Alternative correction CR for QoE measurements and conditional handover Ericsson discussion Rel-17 NR\_QoE-Core [R2-2404482](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404482.zip)

* noted

SHR

[R2-2405087](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405087.zip) Adding PCI and ARFCN of target cell for intra-RAT SHR ZTE Corporation, Sanechips, Ericsson, Huawei, CATT, Samsung CR Rel-17 38.331 17.8.0 4811 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2405700](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405088.zip) Adding PCI and ARFCN of target cell for intra-RAT SHR ZTE Corporation, Sanechips, Ericsson, Huawei CR Rel-18 38.331 18.1.0 4812 1 A NR\_ENDC\_SON\_MDT\_enh2-Core

* Change from “targetCell-PCI-ARFCN-v17xx” to “targetCell-PCI-ARFCN-r17”.
* Remove “on” in the note.
* Agreed unseen in R2-2405821 and R2-2405822.

[R2-2405587](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405587.zip) Correction on successful handover report configuration Samsung CR Rel-17 38.331 17.8.0 4845 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2405606](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405606.zip) Correction on successful handover report configuration Samsung CR Rel-18 38.331 18.1.0 4848 - A NR\_ENDC\_SON\_MDT\_enh-Core

- Huawei is not OK with the last change since it is not needed. ZTE and CATT agrees with Huawei. Qualcomm think that for the setup-release change can be handled by another CR, Google has one good candidate for that.

* Potential changes like the first change are plenty, the spec rapporteur can solve this if/when he finds suitable.
* Second change is not pursued.

Need codes

[R2-2405324](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405324.zip) Correction on the field descriptions of some Need M fields Google CR Rel-17 38.331 17.8.0 4823 - F NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_IIOT-Core, NR\_SON\_MDT-Core, NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2405327](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405327.zip) Correction on the field descriptions of some Need M fields Google Inc. CR Rel-18 38.331 18.1.0 4824 - A NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_IIOT-Core, NR\_SON\_MDT-Core, NR\_ENDC\_SON\_MDT\_enh-Core

* Spec rapporteur has some other way of addressing this and he will handle this in his rapporteur CR.

RLF report

[R2-2405089](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405089.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR Rel-17 38.331 17.8.0 4813 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2405090](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405090.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR Rel-18 38.331 18.1.0 4814 - A NR\_ENDC\_SON\_MDT\_enh2-Core

- QC want to clarify somehow that UEs may not implement this as the CR is late. Huawei would like to add this as a capability without indication.

* [AT126][754][Maint] Misclassification of RLF reports as Too Early HO failure (Ericsson)

Scope:

* + - Create a 38.306 CR where this functional change is made optional without capability indications. Also refer to that 38.306 CR on the RRC CRs.

      Intended outcome:

* + - Agreeable CRs in R2-2405823, R2-2405824, R2-2405825 and R2-2405826 (Ericsson)

     Deadline:

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

[R2-2405823](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405823.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR 38.331 F

[R2-2405973](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405973.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR 38.331 A

[R2-2405825](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405825.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR 38.306 F

[R2-2405826](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405826.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR 38.306 A

* Above 4 agreed

SDT – Pathloss reference RSRP

[R2-2405485](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405485.zip) Xiaomi CR Rel-17 38.331 17.8.0 4839 - F NR\_SmallData\_INACTIVE-Core

[R2-2405486](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405486.zip) Xiaomi CR Rel-18 38.331 18.1.0 4840 - A NR\_SmallData\_INACTIVE-Core

- Ericsson highlights that its unclear if the note as proposed affects positioning.

* Change the note to “NOTE 1: If the UE is configured with multiple SSB configurations, the downlink pathloss reference RSRP for TA validation is derived from the SSB configured by SIB1.”. With this it is agreed unseen in R2-2405827 and R2-2405828.

SDT and MBS

[R2-2405503](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405503.zip) Prioritization of SDT unicast over MBS broadcast Samsung, CATT, Nokia, LG Electronics Inc. CR Rel-17 38.331 17.8.0 4842 - F NR\_MBS-Core, NR\_SmallData\_INACTIVE-Core

- QC thinks this CR is not needed because UE behaviour is transparent to the NW. vivo thinks the current change is NBC.

* Postponed

NTN terminology

[R2-2405714](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405714.zip) Terminology alignment for NR NTN Ericsson, ZTE Corporation, Sanechips, Intel Corporation, CATT, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.8.0 4836 1 F NR\_NTN\_solutions-Core

Moved from 7.7.1

[R2-2405751](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405751.zip) Terminology alignment for NR NTN Ericsson, ZTE Corporation, Sanechips, Intel Corporation, CATT, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.1.0 4837 2 A NR\_NTN\_enh-Core

* Both merged in rapp CR.

ATG

[R2-2405921](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405921.zip) Discussion on correction of the range of DL-DataToUL-ACK CMCC

[R2-2405922](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405922.zip) CR to TS 38.331 Correction of the range of DL-DataToUL-ACK-v1700 CMCC CR Rel-17 38.331 17.8.0 4856 - A NR\_NTN\_solutions-Core Late

[R2-2405923](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405923.zip) CR to TS 38.331 Correction of the range of DL-DataToUL-ACK-v1700(R18) CMCC CR Rel-18 38.331 15.25.0 4587 - A NR\_NTN\_solutions-Core Late

*Category is not correct (both A). CR-title needs polishing*

- QC thinks this is NBC, there may be other ways to address this. CMCC suggests to discuss offline.

* [AT126][755][Maint] Correction of the range of DL-DataToUL-ACK-v1700 (CMCC)

Scope:

* + - Discuss the issue offline and produce CRs if needed.

      Intended outcome:

* + - Agreeable CRs in R2-2405831 and R2-2405832 (CMCC)

     Deadline:

* + - Friday

[R2-2405832](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405832.zip) Correction of the range of DL-DataToUL-ACK for ATG CMCC CR Rel-18

* The new fields to be added in the same [[]] as the other existing r18 fields. Do syntax checking. With this it is agreed unseen in R2-2405831

RA paritioning – Empty feature combination

[R2-2404965](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404965.zip) Correction on when featureCombination is empty Ericsson CR Rel-17 38.331 17.8.0 4801 - F 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_125bis/Docs//R2-2404966.zip) Correction on when featureCombination is empty Ericsson CR Rel-18 38.331 18.1.0 4802 - A NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

- Samsung thinks the NW should not have an empty combo. QC think that we may want to allow empty combos in the future. Nokia agrees with Samsung and think we can come back later if we should allow empty combos. ZTE think we have the SI-request issue to consider.

* Postponed

RA paritioning – RACH-ConfigCommon

[R2-2405052](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405052.zip) Clarification on RACH-ConfigCommon for PDCCH order based CFRA and SI request ZTE Corporation, Samsung CR Rel-17 38.331 17.8.0 4807 - F NR\_redcap-Core

[R2-2405053](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405053.zip) Correction on RACH-ConfigCommon for PDCCH order based CFRA and SI request ZTE Corporation, Samsung CR Rel-18 38.331 18.1.0 4808 - F NR\_redcap-Core, NR\_cov\_enh2, NR\_redcap\_enh

* [AT126][756][Maint] PDCCH order based CFRA and SI request (ZTE)

Scope:

* + - Discuss how to address the issue that this CR is handling. Produce agreeable CRs, for both MAC and RRC (whichever are needed).

      Intended outcome:

* + - Agreed CRs in R2-2405833, R2-2405834, R2-2405835, and R2-2405836 (ZTE)

     Deadline:

* + - Friday

R2-2405833 Clarification on RACH-ConfigCommon for PDCCH order based CFRA and SI request ZTE CR

R2-2405834 Clarification on RACH-ConfigCommon for PDCCH order based CFRA and SI request ZTE CR

* Both above agreed

R2-2405835 Report of [AT126][756][Maint] PDCCH order based CFRA and SI request (ZTE)

* Confirm for SI-request without Msg1 repetition in RedCap-specific initial BWP, the UE selects the RACH-ConfigCommon that not associated with any feature (no change to R17 MAC spec).
* FFS if possible and if spec change needed to allow that, for a RedCap specific initial uplink BWP, whether the same CB preambles in “RA partition not associated with any feature” can be configured in another RA partition sharing the ROs. (can be discussed in next meeting)

RA partitioning - RedCap

[R2-2405559](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405559.zip) Correction on the RACH resource selection for Msg1 based SI request Xiaomi CR Rel-17 38.331 17.8.0 4844 - F NR\_redcap-Core

- Samsung thinks this is NBC and disagrees that there is an issue. Huawei also does not think there is an issue. ZTE thinks it relates to the topic above and can be discussed in the offline above.

* Can be discussed in the offline [AT126][756].

Misc

[R2-2404784](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404784.zip) Miscellaneous non-controversial corrections Set XXI Ericsson CR Rel-15 38.331 15.25.0 4797 - F NR\_newRAT-Core Late

[R2-2404785](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404785.zip) Miscellaneous non-controversial corrections Set XXI Ericsson CR Rel-16 38.331 16.16.0 4798 - F NR\_newRAT-Core Late

[R2-2404786](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404786.zip) Miscellaneous non-controversial corrections Set XXI Ericsson CR Rel-17 38.331 17.8.0 4718 1 F NR\_newRAT-Core [R2-2403331](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403331.zip)

[R2-2404787](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404787.zip) Miscellaneous non-controversial corrections Set XXI Ericsson CR Rel-18 38.331 18.1.0 4799 - F NR\_newRAT-Core

* Endorsed and to be updated in post meeting email disc.
* [Post126][752][Maint] Miscellaneous non-controversial corrections for NR RRC (Ericsson)

Scope:

* + - Produce RRC rapporteurs misc CRs

      Intended outcome:

* + - Agreed CRs in R2-2405847, R2-2405848, R2-2405849, R2-2405850 (Ericsson)

     Deadline:

* + - Short

Withdrawn and old revisions

[R2-2404737](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404737.zip) Correction of gNB identity derivation in NPN-only cells Nokia CR Rel-17 38.331 17.8.0 4789 - F TEI17 Late

[R2-2404738](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404738.zip) Correction of gNB identity derivation in NPN-only cells Nokia CR Rel-18 38.331 18.1.0 4790 - A TEI17 Late

[R2-2405599](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405599.zip) Correction on successful handover report configuration Samsung CR Rel-18 38.331 18.1.0 4846 - A NR\_ENDC\_SON\_MDT\_enh-Core Withdrawn

[R2-2404482](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404482.zip) Alternative correction CR for QoE measurements and conditional handover Ericsson discussion Rel-17 NR\_QoE-Core Revised

[R2-2405088](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405088.zip) Adding PCI and ARFCN of target cell for intra-RAT SHR ZTE Corporation, Sanechips, Ericsson, Huawei CR Rel-18 38.331 18.1.0 4812 - A NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2405824](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405824.zip) Misclassification of RLF reports as Too Early HO failure Ericsson CR

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

Parallel Tx capability

[R2-2404110](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404110.zip) Reply LS on Parallel Tx Capability ([R1-2403619](https://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_116b/Docs//R1-2403619.zip); contact: ZTE) RAN1 LS in Rel-17 TEI17, NR\_newRAT-Core, NR\_2step\_RACH, NR\_IIOT\_URLLC\_enh To:RAN2

* Noted

NTN terminology

[R2-2404531](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404531.zip) Terminology alignment for NR NTN Intel Corporation, Ericsson, ZTE Corporation, Sanechips, Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1098 - F NR\_NTN\_solutions-Core

* Endorsed and merged in rapp CR.

[R2-2404532](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404532.zip) Terminology alignment for NR NTN Intel Corporation, Ericsson, ZTE Corporation, Sanechips, Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1099 - A NR\_NTN\_solutions-Core, NR\_NTN\_enh-Core

* Endorsed and merged in mega CR.

BSC5 clarification

[R2-2404553](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404553.zip) Correction to BCS5 bandwidth capabilities Nokia, Qualcomm Incorporated, ZTE Corporation, Sanechips, Huawei, HiSilicon, Ericsson CR Rel-17 38.306 17.8.0 1080 1 F NR\_BCS4-Core [R2-2403450](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403450.zip)

[R2-2404554](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404554.zip) Correction to BCS5 bandwidth capabilities Nokia, Qualcomm Incorporated, ZTE Corporation, Sanechips, Huawei, HiSilicon, Ericsson CR Rel-18 38.306 18.1.0 1081 1 A NR\_BCS4-Core [R2-2403451](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403451.zip)

* Both agreed

Internode signalling for max agg BW

[R2-2404747](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404747.zip) Introduction of Inter-node Coordination on the Aggregated Bandwidth for the NR-DC (r17) ZTE Corporation, Sanechips,Ericsson,Nokia,Huawei, HiSilicon CR Rel-17 38.331 17.8.0 4735 2 F NR\_BCS4-Core [R2-2403983](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403983.zip)

[R2-2404748](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404748.zip) Introduction of Inter-node Coordination on the Aggregated Bandwidth for the NR-DC (r18) ZTE Corporation, Sanechips,Ericsson,Nokia,Huawei, HiSilicon CR Rel-18 38.331 18.1.0 4736 2 A NR\_BCS4-Core [R2-2403984](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403984.zip)

- There are styling issues to be fixed, everything is “Normal” style

* Fix the styling issues. Agreed unseen in R2-2405966 and R2-2405967

mux-HARQ-ACK-withoutPUCCH-onPUSCH

[R2-2404120](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404120.zip) LS on the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 ([R1-2403760](https://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_116b/Docs//R1-2403760.zip); contact: MediaTek) RAN1 LS in Rel-17 TEI17, NR\_newRAT-Core To:RAN2

Moved from 6.1.1

[R2-2405722](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405722.zip) Mandating the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 MediaTek Inc., Ericsson CR Rel-17 38.306 17.8.0 1112 1 F TEI17, NR\_newRAT-Core [R2-2405006](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405006.zip)

[R2-2405723](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405723.zip) Mandating the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 MediaTek Inc., Ericsson CR Rel-18 38.306 18.1.0 1113 1 F TEI18, NR\_newRAT-Core [R2-2405007](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405007.zip)

- Huawei thinks that that this should be mandatory with signalling.

* Both agreed

[R2-2405008](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405008.zip) [DRAFT] Reply LS on the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 MediaTek Inc. LS out Rel-17 TEI17, NR\_newRAT-Core To:RAN1

EN-DC band combos

[R2-2405379](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405379.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc., CATT CR Rel-17 38.331 17.8.0 4750 2 F NR\_newRAT-Core [R2-2403842](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403842.zip)

[R2-2405381](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405381.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc., CATT CR Rel-17 38.306 17.8.0 1084 2 F NR\_newRAT-Core [R2-2403843](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403843.zip)

[R2-2405471](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405471.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc., CATT CR Rel-18 38.331 18.1.0 4751 2 A NR\_newRAT-Core [R2-2403518](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403518.zip)

[R2-2405474](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405474.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google Inc., CATT CR Rel-18 38.306 18.1.0 1085 2 A NR\_newRAT-Core [R2-2403523](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403523.zip)

[R2-2405479](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405479.zip) Draft Reply LS on IE supportedBandwidthCombinationSetIntraENDC and IE intraBandENDC-Support Google Inc. LS out TEI17 To:RAN4

- Google explains they need more time offline.

- QC think that if we send the LS to RAN4 we should explain what we have done.

* [AT126][757][Maint] Intra-band EN-DC capabilities for inter-band EN-DC (Google)

Scope:

* + - Update the CRs until agreeable. Produce approvable draft LS

      Intended outcome:

* + - Agreeable CRs in R2-2405961, R2-2405962, R2-2405963, R2-2405964
		- Approvable draft LS in R2-2405965

     Deadline:

* + - Friday

[R2-2405961](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405961.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google CR

[R2-2405962](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405962.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google CR

[R2-2405963](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405963.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google CR

[R2-2405964](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405964.zip) Introduction of new intra-band EN-DC capabilities for inter-band EN-DC Google CR

- Companies had detailed comments on the cover page and the changes, pushed to post meeting email discussion.

* [Post126][754][Maint] Intra-band EN-DC capabilities for inter-band EN-DC (Google)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CRs in R2-2405975, R2-2405976, R2-2405977, and R2-2405978 (Google)

     Deadline:

* + - Short

SRS carrier switching

[R2-2405509](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405509.zip) Clarification on srs-SwitchingAffectedBandsListNR Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1120 - F TEI17

[R2-2405510](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405510.zip) Clarification on srs-SwitchingAffectedBandsListNR Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1121 - A TEI17

- Huawei explains that some update of the CR is needed and can be done offline.

* [AT126][758][Maint] Clarification on srs-SwitchingAffectedBandsListNR (Huawei)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CRs in R2-2405837 and R2-2405838 (Huawei)

     Deadline:

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

[R2-2405837](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405837.zip) Clarification on srs-SwitchingAffectedBandsListNR Huawei, HiSilicon CR Rel-17 38.306 17.8.0 1120 1 F TEI17 [R2-2405509](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405509.zip)

[R2-2405838](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405838.zip) Clarification on srs-SwitchingAffectedBandsListNR Huawei, HiSilicon CR Rel-18 38.306 18.1.0 1121 1 A TEI17 [R2-2405510](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405510.zip)

* Both agreed

Channel Raster

[R2-2404794](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404794.zip) Support of Enhanced channel raster by (e)RedCap UE Ericsson discussion Rel-17 NR\_redcap-Core

* Postponed to if/when we hear from RAN4.

Misc

[R2-2404530](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404530.zip) Miscellaneous non-controversial rapporteur corrections Intel Corporation CR Rel-17 38.306 17.8.0 1097 - F NR\_newRAT-Core, NR\_eMIMO-Core, NR\_unlic-Perf, 5G\_V2X\_NRSL-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_pos\_enh-Core, NR\_cov\_enh-Core, NR\_FeMIMO-Core, NR\_ext\_to\_71GHz-Core, NR\_MBS-Core, NR\_demod\_enh2-Perf, NR\_SL\_enh-Core

* [AT126][759][Maint] Miscellaneous non-controversial rapporteur corrections (Intel)

Scope:

* + - Produce agreeable Miscellaneous non-controversial rapporteur correction CRs for 38.306

      Intended outcome:

* + - Agreed CR in R2-2405839 (Intel)

     Deadline:

* + - Friday

[R2-2405839](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405839.zip) Miscellaneous non-controversial rapporteur corrections Intel CR

* Agreed

Old revisions

[R2-2405006](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405006.zip) Mandating the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 MediaTek Inc., Ericsson CR Rel-17 38.306 17.8.0 1112 - F TEI17, NR\_newRAT-Core

[R2-2405007](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405007.zip) Mandating the capability mux-HARQ-ACK-withoutPUCCH-onPUSCH-r16 MediaTek Inc., Ericsson CR Rel-18 38.306 18.1.0 1113 - F TEI18, NR\_newRAT-Core

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

MBS

[R2-2405280](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405280.zip) Reference for User Service Description Nokia, Ericsson, Xiaomi, Qualcomm Incorporated CR Rel-17 38.304 17.8.0 0404 - F NR\_MBS-Core

[R2-2405281](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405281.zip) Reference for User Service Description Nokia, Ericsson, Xiaomi, Qualcomm Incorporated CR Rel-18 38.304 18.1.0 0405 - A NR\_MBS-Core

* Both agreed

Misc

[R2-2405457](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405457.zip) Miscellaneous Corrections (Rapporteur) Qualcomm Incorporated, Nokia, CATT CR Rel-17 38.304 17.8.0 0406 - F NR\_UE\_pow\_sav\_enh-Core, NR\_redcap-Core

[R2-2405459](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405459.zip) Miscellaneous Corrections (Rapporteur) Qualcomm Incorporated, Ericsson, Nokia, CATT CR Rel-18 38.304 18.1.0 0407 - F NR\_UE\_pow\_sav\_enh-Core, NR\_redcap-Core, NR\_UAV-Core

* Both agreed

# 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

WI is declared 100% complete

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.

[R2-2405091](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405091.zip) Corrections to 38331 for Rel-18 SONMDT Ericsson CR Rel-18 38.331 18.1.0 4815 - F NR\_ENDC\_SON\_MDT\_enh2-Core

* Endorsed and to be updated
* [Post126][753][SONMDT] NR RRC CR for SONMDT (Ericsson)

Scope:

* + - Produce agreeable CR

      Intended outcome:

* + - Agreed CR in R2-2405968 (Ericsson)

     Deadline:

* + - Short

[R2-2405092](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405092.zip) RIL list for SON Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

* All PropAgree are agreed. All PropReject are rejected.

[R2-2405343](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405343.zip) WI RIL list for 36.331 for R18 SONMDT Huawei, HiSilicon discussion NR\_ENDC\_SON\_MDT\_enh2-Core

* All PropAgree are agreed. All PropReject are rejected.

[R2-2405344](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405344.zip) Corrections to TS 36.331 for R18 SONMDT Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5022 - F NR\_ENDC\_SON\_MDT\_enh2-Core

* Endorsed and to be updated
* [AT126][765][SONMDT] LTE RRC CR for SONMDT (Huawei)

Scope:

* + - Produce agreeable CR

      Intended outcome:

* + - Agreed CR in R2-2405969 (Huawei)

     Deadline:

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

[R2-2405969](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405969.zip) Corrections to TS 36.331 for R18 SONMDT Huawei, HiSilicon CR Rel-18 36.331 18.1.0 5022 1 F NR\_ENDC\_SON\_MDT\_enh2-Core [R2-2405344](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405344.zip)

* Agreed

### 7.13.2 Papers related to RILs

[R2-2404947](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404947.zip) [C307] Discussion on remaining issue on fast MCG recovery CATT,Fujitsu, Ericsson discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

- Ericsson prefers solution 1 described in the paper since its simpler. Huawei also prefers solution 1. Nokia and ZTE prefers option 2. Samsung prefers option 1 but can accept solution 2. Fujitsu think both solutions work, but prefer solution 1 since it has less signalling overhead. CMCC prefers solution 1. CATT prefers solution 1.

* Introduce a one bit indication to indicate the SCG failure happens during T316 running.

[R2-2405093](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405093.zip) Addressing SONMDT RILs and miscellaneous corrections Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

Proposal 1 RAN2 agree to move the sdt-Failed-r18 field outside the ra-InformationCommon IE, as shown in the Annex of R2-2405093.

Proposal 2 RAN2 agree to clarify the procedural text of for logging the time elapsed between SCG failure and MCG failure according to R2-2405093.

Proposal 3 Cancel the agreement: Move the SPR determination procedure description out of the branch of scg-State, and adopt the TP in section 4 of R2-2402653, and use the original text as shown R2-2405093.

Proposal 4 RAN2 to agree on the CR to TS 38.300 in the Annex 2 - Miscellaneous corrections to TS 38.300.

On P1

- ZTE think that current design is good enough even though it could have been done nicer. Ericsson think we can do the change now when we have the chance. CATT think that it’s a good time to fix this now before ASN.1 freeze.

On P3

- CATT is OK with revering the agreement.

On P4

- ZTE think that the first change is about NW behaviour and should not be discussed in RAN2, instead it should be discussed in RAN3. Nokia think that the first change is not needed and is not a change which is suitable for stage-2, instead it could be considered for stage-3. Ericsson thinks that RAN2 made the agreements related to the first change.

* Move the sdt-Failed-r18 field outside the ra-InformationCommon IE, as shown in the Annex of R2-2405093.
* Clarify the procedural text of for logging the time elapsed between SCG failure and MCG failure according to R2-2405093.
* Revert the agreement: Move the SPR determination procedure description out of the branch of scg-State, and adopt the TP in section 4 of R2-2402653, and use the original text as shown R2-2405093.
* Except for the first change, adopt the changes for TS 38.300 shown in the Annex 2 of R2-240509.
* [AT126][760][SONMDT] SON/MDT corrections for 38.300 (Ericsson)

Scope:

* + - Produce agreeable CR for 38.300 according to the agreement.

      Intended outcome:

* + - Agreed CR in R2-2405840 (Ericsson)

     Deadline:

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

[R2-2405840](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405840.zip) SON/MDT corrections for 38.300 Ericsson

* Agreed

[R2-2405166](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405166.zip) [S524] Handling SPR configuration during CHO/LTM based recovery Samsung discussion

Proposal 1: If attemptCondReconfig or attemptLTM-Switch are configured while initiating RRC Reestablishment procedure, UE keeps the successPSCell-Config configured by the PSCell.

Proposal 1a: If attemptCondReconfig and attemptLTM-Switch are not configured while initiating RRC Reestablishment procedure, UE releases successPSCell-Config configured by the PSCell.

Proposal 1b: If the CHO based recovery or LTM based recovery is not successful and attemptCondReconfig or attemptLTM-Switch are configured, UE releases successPSCell-Config configured by the PSCell.

Proposal 2: Adapt the given TP in section 5.

- Huawei think that these proposals are signalling optimizations. Samsung think that there can be misalignment between the UE and the SN. Ericsson says that the UE releases the SN at reestablishment.

- After further offline discussion, Samsung indicates that companies agree about the issue. But the solution can be discussed later.

* Postponed.

[R2-2405557](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405557.zip) [J041][J042]RILs for fast MCG recovery MRO SHARP Corporation discussion

Proposal 1: UE includes the handover target cell identity in the RLF report upon RRCReconfiguration is received in response to MCGFailureInformation.

Proposal 2: UE includes target PSCell Id in RLF report when fast MCG recovery failure cause is PSCell change failure.

On P1

- QC thinks this has been discussed before, it is also not a correction.

On P2

- QC disagrees. Ericsson thinks this is critical and hence they support. Samsung questions the scenario. Nokia also does not see the need for this. Lenovo thinks this was discussed and rejected earlier.

[R2-2405085](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405085.zip) Consideration on SON/MDT remaining issues ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.3 Other

[R2-2404736](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404736.zip) Correction of availability indication of logged MDT report for SNPN Nokia CR Rel-18 37.320 18.1.0 0132 - F NR\_ENDC\_SON\_MDT\_enh2-Core

- Fujitsu indicated word needed polishing.

* [AT126][761][SONMDT] MDT report for SNPN (Nokia)

Scope:

* + - Polish wording

      Intended outcome:

* + - Agreed CRs in R2-2405841 (Nokia)

     Deadline:

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

[R2-2405841](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405841.zip) Correction of availability indication of logged MDT report for SNPN Nokia CR Rel-18 37.320 18.1.0 0132 - F NR\_ENDC\_SON\_MDT\_enh2-Core [R2-2404736](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404736.zip)

* Agreed

[R2-2405345](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405345.zip) Discussion on stage-2 issues for R18 SONMDT Huawei, HiSilicon discussion NR\_ENDC\_SON\_MDT\_enh2-Core

* In TS 37.340, remove the following sentence: A UE while being in EN-DC and NGEN-DC can collect E-UTRA RA Reports and NR RA Reports upon performing RACH in MN and SN respectively.
* [AT126][762][SONMDT] Stage-2 issues for R18 SONMDT (Huawei)

Scope:

* + - Produce agreeable CR

      Intended outcome:

* + - Agreed CR in R2-2405842 (Huawei)

     Deadline:

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

[R2-2405842](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405842.zip) Corrections to TS 37.340 on collection of RA reports CR

* Agreed

## 7.16 Void

## 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.

LSs

[R2-2404113](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404113.zip) Reply LS on 2-step RACH for eRedCap ([R1-2403646](https://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_116b/Docs//R1-2403646.zip); contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap\_enh-Core To:RAN2

* Noted

[R2-2404135](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404135.zip) Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 ([S2-2405421](https://www.3gpp.org/ftp//tsg_sa/WG2_Arch/TSGS2_161_Athens_2024-02/Docs//S2-2405421.zip); contact: Huawei) SA2 LS in Rel-18 NR\_redcap\_enh-Core To:RAN2, RAN3, CT1 Cc:CT4

* Noted

Misc

[R2-2404240](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404240.zip) Miscellaneous corrections on TS 38.304 for eRedCap Huawei, HiSilicon CR Rel-18 38.304 18.1.0 0401 - F NR\_redcap\_enh-Core

* Agreed

[R2-2404443](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404443.zip) Miscellaneous corrections on TS 38.321 for eRedCap vivo (Rapporteur) CR Rel-18 38.321 18.1.0 1835 - F NR\_redcap\_enh-Core

* Noted, covered by R2-2405974

[R2-2405318](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405318.zip) Miscellaneous corrections for eRedCap Ericsson CR Rel-18 38.331 18.1.0 4729 2 F NR\_redcap\_enh-Core [R2-2403861](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403861.zip)

* Endorsed and to be updated
* [Post126][755][eRedCap] Miscellaneous corrections for eRedCap (Ericsson)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CR in R2-2405979 (Ericsson)

     Deadline:

* + - Short

[R2-2405319](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405319.zip) RIL List for eRedCap - after RAN2#125bis Ericsson discussion Rel-18 NR\_redcap\_enh-Core [R2-2403397](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403397.zip)

* Noted

### 7.19.2 Papers related to RILs

Papers related to identified RILs

[R2-2404431](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404431.zip) Clarification on RIL V179 for eRedcap and proposed TP to RRC Xiaomi Communications discussion

- LG agrees with the intention and is OK with this if other companies want this. Ericsson think we discussed this earlier and agreed to not add more details, and that we should rely on the NW to give a proper configuration. Xiaomi think that if we don’t clarify this the spec is unclear in the situations described in the paper.

* Not pursued unless most companies change their mind and want this.

### 7.19.3 Other

*Critical corrections, if any.*

2-step for eRedCap

[R2-2404241](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404241.zip) Discussion on 2-step RACH for eRedCap Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

[R2-2405071](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405071.zip) 2-step RACH for eRedCap NEC discussion Rel-18 NR\_redcap\_enh-Core

- QC wants to support 2-step for eRedCap. Vivo think that RAN1 suggest a different solution than we have agreed in RAN2. LG do not have a strong opinion whether 2-step should be supported or not for eRedCap. Ericsson reminds that there is no RAN1 impact on supporting 2-step for eRedCap but still RAN1 wants to optimise this further, instead we should not support 2-step for eRedCap. ZTE agrees that there is no impact in RAN1 so they are surprised that RAN1 just didn’t support 2-step eRedCap resources, it would be cleanest if we would just make RAN1 to support 2-step eRedCap resources. ZTE would like to support 2-step for eRedCap. Nokia thinks we already made a decision that if RAN1 does not add 2-step eRedCap resources then we should not support 2-step for eRedCap UEs.

* We do not support eRedCap 2-step RA.
* [AT126][763][eRedCap] 2-step RA for eRedCap (vivo)

Scope:

* + - Produce agreeable CRs and LS if needed

      Intended outcome:

* + - Agreed CRs in R2-2405843 and R2-2405844 (vivo)
		- Approvable LS in R2-2405845 if needed (vivo)

     Deadline:

* + - Friday

[R2-2405843](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405843.zip) Miscellaneous corrections on TS 38.321 for eRedCap vivo CR

* Remove the first change, update cover page accordingly, agreed unseen in R2-2405974.

[R2-2405844](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405844.zip) Correction on TS 38.331 for 2-step RACH for eRedCap vivo CR

* Noted

[R2-2405845](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405845.zip) [Draft] Reply LS on 2-step RACH for eRedCap vivo

* Noted

Discussion on the thee papers above:

- NEC wonders if RRC is really needed, MAC should be enough and is simpler.

[R2-2404444](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404444.zip) Discussion on remaining issues for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

[R2-2404901](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404901.zip) MAC corrections for supporting 2-step RACH for eRedCap ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core

[R2-2405326](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405326.zip) Discussion on 2-step RA for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

[R2-2405333](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405333.zip) Draft LS reply on 2-step RA for eRedCap Ericsson LS out Rel-18 NR\_redcap\_enh-Core To:RAN1

CFRA for eRedCap

[R2-2405540](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405540.zip) On CFRA procedure for eRedCap UE LG Electronics Inc., Xiaomi discussion Rel-18 NR\_redcap\_enh-Core

Proposal 1. In order to align the CFRA and CBRA procedure for eRedCap UE, do not support fallback from eRedCap to Redcap is supported for CFRA, once RRC indicates that eRedCap is applicable and RedCap is not applicable for eRedCap UE.

Proposal 2. Adopt the TP in Annex A.

[R2-2404515](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404515.zip) RA issues on eRedCap Nokia discussion NR\_redcap\_enh-Core

Focus on P2.

Proposal 2: In selection of the set of RA resources for CFRA, no specification change is needed for eRedCap.

* In selection of the set of RA resources for CFRA, no specification change is needed for eRedCap.

Barring

[R2-2404471](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404471.zip) Correction on (e)Redcap 1 Rx and 2 Rx barring Nokia CR Rel-18 38.331 18.1.0 4632 3 F NR\_redcap-Core, NR\_redcap\_enh-Core [R2-2403841](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2403841.zip)

* The change is agreeable. The eRedCap parts are included in the eRedCap RRC CR (R2-2405979). The RedCap part captured in R2-2405970 (a revision of R2-2404471)

[R2-2405970](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405970.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia CR Rel-18 38.331 18.1.0 4632 4 F NR\_redcap-Core [R2-2404471](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2404471.zip)

* Agreed

## 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.

LS

[R2-2404122](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404122.zip) LS on support of MRO for MR-DC SCG failure ([R3-242195](https://www.3gpp.org/ftp//tsg_ran/WG3_Iu/TSGR3_123-bis/Docs//R3-242195.zip); contact: ZTE) RAN3 LS in Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core To:RAN2

* Noted

Workplan

[R2-2405631](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405631.zip) Workplan for Rel-19 SON\_MDT Enhancement China Unicom Work Plan NR\_ENDC\_SON\_MDT\_Ph4-Core

* Endorsed

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

LTM, CHO with candidate SCGs, subsequent CPAC

Subsequent CPAC

[R2-2404875](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404875.zip) MRO for CHO with candidate SCG(s) and SCPAC NEC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 4: RAN2 studies failure and near failure scenarios for subsequent execution of SCPAC.

Proposal 5: For near failure of subsequent execution of SCPAC, RAN2 discusses how and which node generates SPR triggers for subsequent CPAC.

On P4

- Ericsson think we should agree on what we try to achieve. LG thinks existing reports are sufficient, but are open to study further. Lenovo supports the proposal. Samsung thinks current spec works for failure and near failure. Ericsson thinks its unclear what enhancements are needed at this moment. CMCC thinks this is in scope and hence we need to study. QC are OK to study.

* RAN2 will look into failure and near failure scenarios for subsequent execution of SCPAC and see if/what enhancements are needed.

CHO with candidate SCG

[R2-2404734](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404734.zip) MRO for CHO with candidate SCG Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 1: RAN2 to enhance the RLF report and SCGFailureInformation with additional information regarding the state of the two execution conditions.

Proposal 2: RAN2 to enhance SHR and SPR with new triggers (e.g. based on time gap between condition fulfilment) and content that allows the network to identify the execution condition that delayed the handover.

Proposal 3: Scenarios where the UE is additionally configured with CHO-only configuration should be down-prioritized and studied only if time allows, as they do not cause loss of connectivity.

On P1

- Huawei is OK with P1, but would like to understand the scenario and the issue first, and P1 is very general. ZTE are unsure of the motivation and what should be reported. Nokia explains that the proposal is that the existing reports are enhanced with more info.

On P2

- ZTE thinks we have done something similar for CHO but that’s only for the failure case, and if we do P2 we may trigger too many SHRs and SPRs. Nokia thinks there will be no unnecessary reports. CATT supports P2. Huawei supports but want to remove the example in the proposal. LG agrees with Huawei. Samsung and Ericsson are unsure of the usefulness. Lenovo wants a new triggers since it is about near-failure and hence important.

On P3:

- Samsung thinks that CHOs will be in place when CHO with candidate SCG is deployed. Huawei think that CHO-only is out of scope. CMCC disagrees. Lenovo thinks its important to consider the combination.

* RAN2 to enhance the RLF report with additional information regarding the state of the two execution conditions. We see later if we also can enhance the SCGFailureInformation report.

[R2-2404814](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404814.zip) Discussion on MRO for R18 mobility Lenovo discussion Rel-19

LTM

[R2-2404735](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404735.zip) MRO for LTM Nokia discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 1: RAN2 to correct the definition of scenario 3a as follows: Case 3a: the UE detects HOF/RLF in the LTM target cell and performs reestablishment procedure in a cell other than the source cell and the target cell.

* We correct the definition of scenario 3a as follows: Case 3a: the UE detects HOF/RLF in the LTM target cell and performs reestablishment procedure in a cell other than the source cell and the target cell.

[R2-2405094](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405094.zip) SON support for MRO Ericsson discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 1 If configured the log the L1 measurements for serving cell, target cell and other LTM candidate cells in RLF report, upon RLF or mobility failure.

Proposal 2 RAN2 agree to reuse the timeConnFailure and the reconnectCellId in RLF-report for the LTM failures.

Proposal 3 RAN2 agree to define a new field in RLF-report to log the LTM recovery cell ID upon selecting an LTM candidate cell.

Proposal 4 Extend lastHO-Type in RLF-Report to indicate the LTM cell switch as last executed mobility procedure.

On P3

- Nokia wonders if we need to differentiate CHO vs LTM, or can the UE simply log the recovery cell without indicating it as CHO or LTM. Ericsson explains the reasoning and Nokia can agree with it.

- Fujitsu think we should discusss if we should support the scenario with CHO and LTM.

* If available, log the L1 measurements for serving cell, target cell and other LTM candidate cells in RLF report, upon RLF or mobility failure.
* Reuse the existing approach of using timeConnFailure and the reconnectCellId in RLF-report also for LTM failures, details TBD.
* Log the LTM cell ID upon performing recovery an LTM candidate cell, details TBD e.g. which field.
* Extend lastHO-Type in RLF-Report to indicate the LTM cell switch as last executed mobility procedure.

[R2-2404952](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404952.zip) Discussion on MRO Enhancements for Mobility CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2404977](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404977.zip) MRO for Rel-18 mobility ZTE, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405018](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405018.zip) Discussion on MRO enhancements for R18 mobility features CMCC discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405298](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405298.zip) SON/MDT reports for LTM Kyocera discussion

[R2-2405334](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405334.zip) MRO enhancement for Rel-18 mobility Huawei, HiSilicon discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405430](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405430.zip) Discussion on random access report for LTM ASUSTeK discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405538](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405538.zip) Failure and Near failure cases for CHO with Candidate SCGs LG Electronics discussion Rel-18 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405539](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405539.zip) SHR for MCG LTM LG Electronics discussion Rel-18 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405569](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405569.zip) Discussion on MRO enhancement for R18 mobility features SHARP Corporation discussion

[R2-2405580](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405580.zip) MRO enhancement for SON and MDT Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405632](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405632.zip) Discussion on MRO enhancement for mobility China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405150](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405150.zip) MRO enhancements for Rel-18 mobility features Samsung discussion

[R2-2404311](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404311.zip) MRO for Rel-18 mobility features vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2404356](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404356.zip) Discussion on MCG LTM MRO enhancement Fujitsu discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2404867](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404867.zip) Discussion on the MRO enhancements for R18 mobility features Beijing Xiaomi Software Tech discussion Rel-19

[R2-2404874](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404874.zip) MRO enhancements for LTM NEC 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#126, 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#126, in wait for RAN3 progresses

### 8.10.5 Leftovers from Rel-18

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

SDT

[R2-2405633](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405633.zip) Discussion on RACH optimization for SDT China Unicom discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

Proposal 1: RAN2 to support SDT-related enhancement when SDT initiation fails and fallback to a legacy RA procedure, due to network-configured thresholds being set too restrictively.

Proposal 2: RAN2 to support SDT-related enhancement upon SDT initiation stage to prevent receiving excessively loose thresholds configured by the network.

Proposal 3: RAN2 to support including RSRP/data volume related information in RA report for two scenarios: SDT initiation fails and fallback to Legacy RA scenario, and SDT initiation scenario. The detailed information can be:

Option 1: Downlink RSRP value and pending uplink data volume;

Option 2: The gap between the actual value of downlink RSRP/ pending uplink data volume to the configured threshold received from the network.

Proposal 4: When SDT failure happens, the UE can indicate the failure cause of SDT to the network, e.g. T319a expiration.

On P3

- QC thinks that the NW knows the thresholds so the gap does not need to be reported. Ericsson thinks that option 1 is already supported in the spec today for 2-step. ZTE thinks that the NW may forget a previous threshold. CATT agrees with ZTE and hence wants option 2. Nokia think that option 1 is good enough. CMCC agrees with Nokia.

On P4

- Samsung does not support this. Ericsson supports the proposal as the NW can optimize the T319a duration, etc. ZTE supports the proposal for the reasons explained by Ericsson. Huawei also supports P4 in general but details can be discussed later. QC thinks that also for this case the UE shall report the RSRP and data volume so that the NW can set the related thresholds better. Ericsson agrees with QC.

* For the purpose of SON enhancements for SDT, include RSRP/data volume related information
* Downlink RSRP value and buffered uplink data volume at the time when the UE evaluates if it should perform SDT.
* When SDT failure happens, the UE can indicate the failure cause of SDT to the network, e.g. T319a expiration. Details are TBD, e.g. if RSRP and data volume can also be included in such report.

[R2-2404953](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404953.zip) Consideration on leftovers from Rel-18 SONMDT CATT discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Focus on P1-P5

Proposal 1: Besides the MO-SDT, the scenario of MT-SDT based RA procedure is considered in RACH optimization for SDT.

On P1

- Samsung thinks it is not in scope since the objective is about R18 leftovers. ZTE wants to support MT-SDT. NEC wonders what there is to optimize since the resources are the same.

MHI

[R2-2405019](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405019.zip) MHI Enhancement for SCG Deactivation/Activation CMCC, CATT, Ericsson, ZTE, Huawei, HiSilicon discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

- QC thinks that the NW knows how long time the SCG was activated. Samsung wonders what the NW does with this info. CMCC explains that if the time of activation is low, the NW could have skipped configuring the SCG completely. Samsung thinks the NW knows this without a UE report. CMCC thinks the NW report is optional. Nokia agrees with Samsung. Huawei highlights that we are talking about a mobility case and with mobility the NW cannot easily know. CATT thinks that he NW can change how much it activates/deactivates the SCG based on this info. QC, Samsung, and Nokia are not convinced of the use case.

* Postponed

SCG failure

[R2-2404978](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404978.zip) Rel-18 leftovers for SON MDT ZTE, Sanechips discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

Focus on P5 and P6

[R2-2405335](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405335.zip) Discussion on support of the Rel-18 leftovers Huawei, HiSilicon discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

Focus on P5

On P6 from ZTE paper

- Ericsson thinks this was discussed in R18 and deprioritized since there was no time and now in R19 we have even less time so we don’t want to anything more than NR-DC. Lenovo think it is simple to support all architecture options. Samsung and CATT also want to support all architecture options. Qualcomm wants to only do EN-DC now, and if time allows we can do other architecture options later. Ericsson think that RAN3 asks RAN2 to decide and are OK if we only do EN-DC.

* Reply to RAN3 that we will only do EN-DC. RAN2 understands that whether also supporting (NG)EN-DC has no additional RAN2 impact hence RAN3 can decide. If later we get time we can consider other options.
* [AT126][764][SONMDT] Architecture options for R19 SONMDT (ZTE)

Scope:

* + - Produce approvable draft LS

      Intended outcome:

* + - Approvable LS in R2-2405846 (ZTE)

     Deadline:

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

[R2-2405846](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_126/Docs//R2-2405846.zip) Reply LS on support of MRO for MR-DC SCG failure RAN2

* Approved

[R2-2405164](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405164.zip) SON/MDT enhancements for leftover topics from R18 Samsung discussion

[R2-2405581](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405581.zip) SON and MDT Rel-18 leftover issues Qualcomm Incorporated discussion NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2405668](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405668.zip) On Rel.18 leftovers Ericsson discussion

[R2-2405560](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2405560.zip) Discussion on RACH enhancement for SDT SHARP Corporation discussion

[R2-2404312](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404312.zip) RACH optimization for SDT vivo discussion Rel-19 NR\_ENDC\_SON\_MDT\_Ph4-Core

[R2-2404815](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404815.zip) Discussion on MRO for MR-DC SCG failure Lenovo discussion Rel-19

[R2-2404868](https://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125bis/Docs//R2-2404868.zip) Discussion on the RACH optimization for SDT Beijing Xiaomi Software Tech discussion Rel-19

# Summary

No comebacks for main.

Post meeting email discs:

* [Post126][751][Maint] Miscellaneous Corrections for TS 36.331 (Samsung)

Scope:

* + - Review 36.331 rapporteurs misc CRs.

      Intended outcome:

* + - Agreed CRs in R2-2405803, R2-2405804, R2-2405805, R2-2405806, R2-2405807 (Samsung)

     Deadline:

* + - Short
* [Post126][752][Maint] Miscellaneous non-controversial corrections for NR RRC (Ericsson)

Scope:

* + - Produce RRC rapporteurs misc CRs

      Intended outcome:

* + - Agreed CRs in R2-2405847, R2-2405848, R2-2405849, R2-2405850 (Ericsson)

     Deadline:

* + - Short
* [Post126][753][SONMDT] NR RRC CR for SONMDT (Ericsson)

Scope:

* + - Produce agreeable CR

      Intended outcome:

* + - Agreed CR in R2-2405968 (Ericsson)

     Deadline:

* + - Short
* [Post126][754][Maint] Intra-band EN-DC capabilities for inter-band EN-DC (Google)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CRs in R2-2405975, R2-2405976, R2-2405977, and R2-2405978 (Google)

     Deadline:

* + - Short
* [Post126][755][eRedCap] Miscellaneous corrections for eRedCap (Ericsson)

Scope:

* + - Produce agreeable CRs

      Intended outcome:

* + - Agreed CR in R2-2405979 (Ericsson)

     Deadline:

* + - Short