3GPP TSG-RAN WG2 Meeting #125 [R2-2401549](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401549.zip)

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

Source: Session chair (Ericsson)

Title: Report from maintenance and eRedCap breakout session

Agenda item: 8.9

* [AT125][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](http://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](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_86/Docs//RP-192875.zip);), REL-15 and Earlier eMTC WIs are in scope but not listed explicitly (long list).

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

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

REL-15 and Earlier EUTRA WIs are in scope but not listed explicitly (long list), Except V2X and Sidelink WIs and Positioning WIs, which are adressed by AIs below.

NOTE that LTE corrections red 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

PUCCH-ConfigDedicated

[R2-2401219](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401219.zip) Further clarification to PUCCH-ConfigDedicated MediaTek Inc. CR Rel-17 36.331 17.7.0 4996 - F LTE\_CA\_enh\_b5C-Core

- CATT wonders why this is a Rel-17 CRs while the field was added in R13. MediaTek are open to discuss which release.

- Huawei thinks we cannot change this, but think the UE can ignore the field to avoid ambiguities. Lenovo thinks it would be strange if the NW would configure in the way that MediaTek describes, instead they want to have a general ASN.1 guideline. QC thinks it should not happen that the NW configures both the old and new versions of critical extensions of any field, and are worried about the Huawei comment which seem to imply that NWs can configure both. Intel expects that NWs cannot configure both.

* RAN2 understands that the NW does not configure both the old and new versions of critical extensions of any field, regardless of which message the field is configured in.

NB-IoT Location reporting in RLF report

[R2-2400092](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400092.zip) Reply LS on user consent for SON/MDT for NB-IoT UEs ([S5-238102](http://www.3gpp.org/ftp//tsg_sa/WG5_TM/TSGS5_152/Docs//S5-238102.zip); contact: Ericsson) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2 Cc:SA3

Moved from 7.13.1

[R2-2401196](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401196.zip) Discussion on UE location in RLF report for NB-IoT Qualcomm Incorporated discussion Rel-16

Moved from 5.1.3.1

Proposal 1: To indicate NB-IOT UEs to report location information (at the time of the failure) in the RLF report, ReportConfigEUTRA or otherConfig should not be introduced.

Proposal 2: E-UTRA can use a single flag, obtainLocation-NB, to request location (at the time of failure) in the RLF report. It can be left to E-UTRA implementation to ensure that E-UTRA configures this flag by following the MDT principle.

Proposal 3: Introduce a flag, obtainLocation-NB, in RRCConnectionReconfiguration-NB and RRCConnectionResume-NB messages to indicate NB-IOT UEs to report location information (at the time of the failure) in the RLF report.

Proposal 4: RAN2 is requested to approve CRs in [R2-2401201](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401201.zip) [3], [R2-2401215](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401215.zip) [4], and R2-240122 [5].

Proposal 5: Introduce a new UE capability for NB-IoT to indicate whether it can report location information in the RLF report.

Discussion

- Samsung agree with all proposals but want an offline for the CRs.

[R2-2401201](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401201.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-16 36.331 16.14.0 4994 - F NR\_SON\_MDT-Core

[R2-2401215](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401215.zip) Mirror CR - Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-17 36.331 17.7.0 4995 - A NR\_SON\_MDT-Core

[R2-2401222](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401222.zip) Mirror CR - Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated CR Rel-18 36.331 18.0.0 4997 - A NR\_SON\_MDT-Core

3 above moved from 5.1.3.1

[R2-2401846](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401846.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

[R2-2401847](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401847.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

[R2-2401848](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401848.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

[R2-2401849](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401849.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

[R2-2401850](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401850.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

[R2-2401851](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401851.zip) Correction on UE location information in NB-IoT RLF report Qualcomm Incorporated

* [AT125][759] Correction on UE location information in NB-IoT RLF report (Qualcomm)

Scope:

* + - Update the CRs.

      Intended outcome:

* + - Agreeable CRs in [R2-2401743](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401743.zip)- [R2-2401748](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401748.zip) (unless the CRs in [R2-2401846](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401846.zip)-[R2-2401851](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401851.zip) are agreeable) (Qualcomm)

     Deadline:

* + - Friday morning session

[R2-2401743](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401743.zip)

- Chair: Style issues to be fixed (B1/B2/…)

* Agreed unseen in R2-2401891 after fixing style issues

[R2-2401744](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401744.zip)

- Chair: Style issues (B1/B2/…) and B1 instead of “NO”. Use same user name. Remove colons here:

-- Late non-critical extensions:

-- Regular non-critical extensions:

* Agreed unseen in R2-2401886 after fixing style issues

[R2-2401745](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401745.zip)

- Chair: Style issues

* Agreed unseen in R2-2401887 after fixing style issues

[R2-2401746](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401746.zip) UE Capability on UE location information in NB-IoT RLF report

* Agreed

[R2-2401747](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401747.zip) UE Capability on UE location information in NB-IoT RLF report

* Agreed

[R2-2401748](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401748.zip) UE Capability on UE location information in NB-IoT RLF report

* Agreed

Withdrawn

[R2-2401273](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401273.zip) Discussion on MFBI Huawei, HiSilicon discussion Rel-17 TEI17

### 4.1.1 Other

A3 and A5 for CHO

[R2-2400651](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400651.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-16 36.331 16.14.0 4986 - F LTE\_feMob-Core

* Agreed

[R2-2400652](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400652.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-17 36.331 17.7.0 4987 - A LTE\_feMob-Core

* Agreed

[R2-2400653](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400653.zip) Correction on Event A3 and A5 for LTE CHO Huawei, HiSilicon CR Rel-18 36.331 18.0.0 4988 - A LTE\_feMob-Core

* Agreed unseen in [R2-2401749](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401749.zip), but updated to capture A4 and the title should be updated to also have A4.

# 5 NR Rel-15 and Rel-16

Essential corrections only.

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

In case a correction need to be reflected in both NR TS and LTE TS, the corrections should be submitted under one single AI (so the NR and LTE correction can be treatee together), the sub-Ais below this

## 5.1 Common

Includes the following WIs and input that doesn’t fit elsewhere.

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: [RP-191971](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_85/Docs//RP-191971.zip))

(NR\_IAB-Core; leading WG: RAN2; REL-16; started: Dec 18; target Aug 20; WID: [RP-200840](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_86/Docs//RP-192926.zip)).

(NR\_IIOT-Core; leading WG: RAN2; REL-16; started: Mar 19; Completed: Jun 20; WID: [RP-200797](http://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](http://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](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_83/Docs//RP-190713.zip))

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

(NG\_RAN\_PRN-Core; leading WG: RAN3; REL-16; started: Mar 19; completed: June 20; WID: [RP-200122](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_85/Docs//RP-191997.zip);)

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

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI [RP-200791](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_85/Docs//RP-192277.zip)).

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

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

(NR TEI16)

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

### 5.1.1 Stage 2 and Organisational

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

#### 5.1.1.1 Other

### 5.1.3 Control Plane corrections

#### 5.1.3.1 NR RRC

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

Neigbour cell measurements in RLF report

[R2-2400654](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400654.zip) Discussion on UE behaviours on neighbour cell measurements Huawei, HiSilicon discussion NR\_SON\_MDT-Core

Proposal 1: It is proposed RAN2 to discuss the following understandings for setting neighbour cell measurements for RLF report in RN-DC.

- Understanding 1: Neighboring cell measurement is generated only for objects associated with the MCG

- Understanding 2: Neighboring cell measurement is generated only for objects associated with the SCG

- Understanding 3: Neighboring cell measurement generated by objects associated with the MCG and SCG

Proposal 2: It is proposed RAN2 to discuss whether some spec changes are needed for clarifications.

Discussion

- Huawei thinks Understanding 1 is the correct one. Chair: The room seem to all agree with Huawei and that there is no need for spec change.

* RAN2 confirms that Understanding 1 is the correct understanding, i.e. Neighboring cell measurement is generated only for objects associated with the MCG. No spec change is needed to capture this.

Multiple configured grants

[R2-2401375](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401375.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-16 38.331 16.15.1 4455 2 F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC [R2-2312975](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2312975.zip)

[R2-2401376](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401376.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-17 38.331 17.7.0 4456 2 F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC [R2-2312976](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2312976.zip)

[R2-2401377](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401377.zip) Correction on when multiple configured grants are signalled Ericsson CR Rel-18 38.331 18.0.0 4605 - F NR\_newRAT-Core, NR\_IIOT, NR\_L1enh\_URLLC

- Huawei thinks the existing text is already clear. Samsung thinks the clarification is good and agrees with the CR.

* RAN2 understands that if multiple CGs will be configured, only the list can be used, the legacy field will not be used.
* Not pursued

Overheating

[R2-2401430](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401430.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-16 38.331 16.15.1 4612 - F NR\_newRAT-Core Late

[R2-2401431](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401431.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-17 38.331 17.7.0 4613 - A NR\_newRAT-Core Late

[R2-2401432](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401432.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE Corporation CR Rel-18 38.331 18.0.0 4614 - A NR\_newRAT-Core Late

- Samsung supports. CATT thinks that the field description should not say “PSCell/SCells” but should say “PSCell and SCells”.

- Chair: The style is wrong (Normal instead of B2).

* [AT125][760] Correction on reducedCCsDL and reducedCCsUL in overheating report (ZTE)

Scope:

* + - Update the CRs taking the comments in to account.

      Intended outcome:

* + - Agreeable CRs in [R2-2401750](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401750.zip) - [R2-2401752](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401752.zip) (ZTE)

     Deadline:

* + - Friday morning session

[R2-2401750](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401750.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report

[R2-2401751](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401751.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report

[R2-2401752](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401752.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report

* The 3 above are agreed

#### 5.1.3.2 UE capabilities

UE cap corrections 38306, 38331

csi-ReportingCrossPUCCH-Grp

[R2-2400348](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400348.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-16 38.306 16.15.0 1018 - F TEI16

[R2-2400349](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400349.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-17 38.306 17.7.0 1019 - A TEI16

[R2-2400350](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400350.zip) Correction on prerequisite feature for csi-ReportingCrossPUCCH-Grp-r16 Qualcomm Incorporated CR Rel-18 38.306 18.0.0 1020 - A TEI16

- Huawei thinks that a UE which supports different numerology between PUCCH groups always supports the same numerology between PUCCH groups and hence this CR is not needed. CATT thinks it is not needed for some other reason.

* Postponed

RACS

[R2-2400718](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400718.zip) Discussion on UE capability segmentation Huawei, HiSilicon discussion Rel-15 RACS-RAN-Core

Proposal 1: When the network queries UE capabilities for different RATs multiple times, rrc-SegAllowed-r16 field shall be consistent among multiple UECapabilityEnquiry messages.

* RAN2 understands that when the network queries UE capabilities for different RATs multiple times, rrc-SegAllowed-r16 field shall be consistent among multiple UECapabilityEnquiry messages.

- CATT thinks the TP is fine.

* [AT125][761] CR for RACS (Huawei)

Scope:

* + - Convert the TP in [R2-2400718](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400718.zip) to CRs starting from R16.

      Intended outcome:

* + - Agreeable CRs in [R2-2401753](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401753.zip) - [R2-2401755](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401755.zip) (Huawei)

     Deadline:

* + - Friday morning session

[R2-2401753](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401753.zip) Clarification on UE capability segmentation

[R2-2401754](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401754.zip) Clarification on UE capability segmentation

[R2-2401755](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401755.zip) Clarification on UE capability segmentation

* The 3 above are agreed

ca-ParametersNRDC

[R2-2400727](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400727.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-15 38.331 15.24.0 4543 - F NR\_newRAT-Core

[R2-2400728](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400728.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-16 38.331 16.15.1 4544 - A NR\_newRAT-Core

[R2-2400729](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400729.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4545 - A NR\_newRAT-Core

[R2-2400730](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400730.zip) Clarification on ca-ParametersNRDC capability (Understanding#2) Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4546 - A NR\_newRAT-Core

- CATT has a comment on the wording.

* [AT125][762] Clarification on ca-ParametersNRDC capability (Huawei)

Scope:

* + - Polish the wording of the CRs for Clarification on ca-ParametersNRDC capability

      Intended outcome:

* + - Agreeable CRs in [R2-2401756](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401756.zip) - [R2-2401759](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401759.zip) (Huawei)

     Deadline:

* + - Friday morning session

[R2-2401756](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401756.zip) Clarification on ca-ParametersNRDC capability (Understanding#2)

[R2-2401757](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401757.zip) Clarification on ca-ParametersNRDC capability (Understanding#2)

[R2-2401758](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401758.zip) Clarification on ca-ParametersNRDC capability (Understanding#2)

[R2-2401759](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401759.zip) Clarification on ca-ParametersNRDC capability (Understanding#2)

Chair: Next time, do **one** change, i.e. not mixing user names.

* The 4 above are agreed

asyncIntraBandENDC

[R2-2400862](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400862.zip) On the applicability of asyncIntraBandENDC to intra-band NE-DC Nokia, Nokia Shanghai Bell discussion Rel-16 NR\_newRAT-Core, TEI16

Proposal 1: RAN2 should clarify the following with RAN4 before extending asyncIntraBandENDC to NE-DC:

1) Does RAN4 intend for asyncIntraBandENDC to be extended to NE-DC for all four cases currently covered by the capability (including the three intra-band cases) or just for the case of inter-band NE-DC with overlapping bands?

2) If the intention is for the capability to be extended to NE-DC in the intra-band cases, will the MTTD/MRTD requirements defined in TS 38.133 clauses 7.5/7.6 be updated to clarify the asynchronous requirements for intra-band NE-DC?

3) If the intention is for the capability to be extended to NE-DC in the intra-band cases, is that change applicable to legacy releases or only starting in Rel-18?

Proposal 2: Send draft LS from the Annex to clarify the questions in Proposal 1.

[R2-2401289](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401289.zip) Discussion on UE capability asyncIntraBandENDC Apple discussion Rel-15 TEI15, TEI16

Proposal 1: Adding that for inter-band EN-DC/NE-DC with overlapping or partially overlapping DL bands, if UE does not support asyncIntraBandENDC, UE applies the MRTD/MTTD requirements according to interBandMRDC-WithOverlapDL-Bands-r16 (if supported), starting from Rel-16.

Proposal 2: Extending the applicability of asyncIntraBandENDC to NE-DC for both intra-band BC and inter-band BC with overlapping and partially overlapping DL bands, starting from Rel-15.

[R2-2401290](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401290.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-15 38.306 15.23.0 1048 - F TEI15

[R2-2401291](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401291.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-16 38.306 16.15.0 1049 - F TEI16

[R2-2401292](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401292.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-17 38.306 17.7.0 1050 - A TEI16

[R2-2401293](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401293.zip) Update on UE capability AsyncIntraBandENDC Apple CR Rel-18 38.306 18.0.0 1051 - A TEI16

[R2-2401540](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401540.zip) Update on UE capability AsyncIntraBandENDC Apple, Nokia CR Rel-15 38.306 15.23.0 1048 1 F TEI15

[R2-2401831](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401831.zip) Update on UE capability AsyncIntraBandENDC Apple, Nokia CR Rel-16 38.306 16.15.0 1049 1 F TEI16

[R2-2401832](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401832.zip) Update on UE capability AsyncIntraBandENDC Apple, Nokia CR Rel-17 38.306 17.7.0 1050 1 A TEI16

[R2-2401833](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401833.zip) Update on UE capability AsyncIntraBandENDC Apple, Nokia CR Rel-18 38.306 18.0.0 1051 1 A TEI16

* The 4 above are agreed

SRS-only Cell

[R2-2401021](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401021.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core

Proposal 1: Ran 2 to clarify which understanding is correct for the supported UL bandwidth of the SRS-only cell:

 Understanding #1: The UE can support the bandwidth that indicated in the channelBWs-UL of the corresponding band;

 Understanding #2: The UE can support the same bandwidth as the DL on the corresponding CC;

 Understanding #3: The UE can support the same bandwidth as the DL but the bandwidth shall be indicated in the channelBWs-UL of this band;

Proposal 1a: If the understanding 1/3 is confirmed, whether the UE support 90M UL bandwidth can be determined by the corresponding DL bandwidth.

Proposal 2: If both the proposal 1 and proposal 1a were confirmed, a note can be added to the “channelBWs-UL” for the SRS-only cell, e.g.

NOTE 2: For the SRS-only cell, to determine whether the UE supports SRS configuration with bandwidth 90M/400M, the network validates the supported DL bandwidth, for the other channel bandwidth, the network validates the supported DL bandwidth and channelBWs-UL.

- CATT thinks that SRS-only cells are only for TDD, so there is no issue as UL and DL BW is the same. ZTE have seen different understandings among UE vendors. QC thinks understanding 1 is correct, but if this is really only for TDD they want to check more this week. Samsung has understanding 3 and want to postpone since they need to check more at home. ZTE hope to conclude this in this meeting.

- ZTE wants to clarify the 90/400 MHz issue first.

* [AT125][763] Clarification on the Supported Bandwidth of the SRS-only Cell (ZTE)

Scope:

* + - Discuss and conclude which understanding is correct and produce CRs if needed.

      Intended outcome:

* + - Agreeable CRs in [R2-2401760](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401760.zip) - [R2-2401763](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401763.zip) (ZTE)

     Deadline:

* + - Friday morning session

[R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip) [AT125][763] Clarification on the Supported Bandwidth of the SRS-only Cell (ZTE)

Proposal 1：For SRS carrier switching to a PUSCH-less carrier, if the 90MHz bandwidth is supported by the downlink, then the network can configure SRS with 90MHz on the PUSCH-less carrier, and the same logic can also be applied to the 400MHz.

Proposal 2：Postpone the discussion on the bandwidth other than 90M/400M to the next meeting.

* ZTE reports that it is too early to agree CRs at this meeting, we will come back. But ZTE wants a 1 week email discussion to confirm proposal 1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip).
* [Post125][763][SRS-only cell] Bandwidth of the SRS-only Cell (ZTE)

Scope:

* + - Discuss and conclude whether we can confirm P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip)

      Intended outcome:

* + - Confirmation of P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip), if possible

     Deadline:

* + - Short
* CRs are postponed.

Max data rate

[R2-2401346](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401346.zip) Discussion on max data rate calculation Sequans Communications discussion Rel-15 NR\_newRAT-Core

Proposal 1: Discuss/confirm whether BW(j) in the data rate formula is the reported supportedBandwidthDL/UL or the max CBW effectively supported

Proposal 2: Discuss/confirm whether larger supportedBandwidthDL/UL is allowed in all cases, or only when the actual max CBW cannot be signaled

Proposal 3: Confirm that supportedModulationOrderDL/UL is not restricted by the supported modulations

* RAN2 understands that the actually supported bandwidth (based on all UE capabilities) is used in the formula for max data rate
* The max data rate is based on the actually supported BW of the UE, i.e. based on the UE capabilities.
* RAN2 confirms that supportedModulationOrderDL/UL is not restricted by the supported modulations, but cannot be higher than the supported modulation order. This parameter is therefore a means for the UE to scale down (not up) the max data rate.

Withdrawn

[R2-2401022](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401022.zip) Clarification on the Parallel Tx Capability(r15) ZTE Corporation, Sanechips CR Rel-15 38.306 15.23.0 1033 - F NR\_newRAT-Core Withdrawn

[R2-2401023](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401023.zip) Clarification on the Parallel Tx Capability(r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.15.0 1034 - A NR\_newRAT-Core Withdrawn

[R2-2401024](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401024.zip) Clarification on the Parallel Tx Capability(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1035 - A NR\_newRAT-Core Withdrawn

[R2-2401025](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401025.zip) Clarification on the Parallel Tx Capability(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1036 - A NR\_newRAT-Core Withdrawn

#### 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. Editiorials should only be submitted by spec rapporteurs.

## 6.1 Common

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: [RP-211591](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.3gpp.org/ftp//tsg_ran/TSG_RAN/TSGR_88e/Docs//RP-201281.zip))

PRACH partitioning items

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

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

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

Tdoc limitation: 5 Tdocs

RA parameters

[R2-2400288](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400288.zip) Correction on initialization of RRC parameter in RA procedure Xiaomi CR Rel-17 38.321 17.7.0 1734 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2400289](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400289.zip) Correction on initialization of RRC parameter in RA procedure Xiaomi CR Rel-18 38.321 18.0.0 1735 - A NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

* Not pursued

### 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)

LSs

[R2-2400019](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400019.zip) Reply LS on monitoring of paging occasions for CG-SDT with HD-FDD RedCap UEs ([R2-2304562](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_121bis-e/Docs//R2-2304562.zip); contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core To:RAN2, RAN4

[R2-2400048](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400048.zip) LS on the new channel bandwidth class for FR2-2 ([R4-2315865](http://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_108bis/Docs//R4-2315865.zip); contact: Huawei) RAN4 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN2

[R2-2400058](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400058.zip) Further reply LS on higher power limit capability for inter-band UL DC ([R4-2321905](http://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_109/Docs//R4-2321905.zip); contact Apple) RAN4 LS in Rel-17 Power\_Limit\_CA\_DC To:RAN2

[R2-2400041](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400041.zip) Reply LS on the user consent for trace reporting ([R3-237964](http://www.3gpp.org/ftp//tsg_ran/WG3_Iu/TSGR3_122/Docs//R3-237964.zip); contact: Ericsson) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:SA3, SA5, SA2 Cc:SA1, RAN, RAN2

[R2-2400081](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400081.zip) Reply LS on the user consent for trace reporting ([S2-2401578](http://www.3gpp.org/ftp//tsg_sa/WG2_Arch/TSGS2_160AHE_Electronic_2024-01/Docs//S2-2401578.zip); contact: Ericsson) SA2 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3, SA5 Cc:SA1, SA3, RAN, RAN2

[R2-2400218](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400218.zip) Reply LS on the user consent for trace reporting ([S5-241084](http://www.3gpp.org/ftp//tsg_sa/WG5_TM/TSGS5_153/Docs//S5-241084.zip); contact: Ericsson) SA5 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:SA1, RAN, RAN2, SA2, SA3

[R2-2400011](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400011.zip) LS on NCD-SSB time offset for RedCap UEs in TDD ([R1-2310566](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_114b/Docs//R1-2310566.zip); contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap-Core To:RAN2 Cc:RAN4

Moved from 6.1.3.1

[R2-2400016](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400016.zip) RLS to RAN2 on introduction of simultaneous PUCCH and PUSCH transmission with same priority ([R1-2312456](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312456.zip); contact: Samsung) RAN1 LS in Rel-17 TEI17, NR\_newRAT-Core To:RAN2

Moved from 6.1.3.1

* All above noted

RedCap handovers

[R2-2400471](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400471.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-17 36.300 17.6.0 1393 - F NR\_redcap-Core

[R2-2400472](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400472.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0781 - F NR\_redcap-Core

[R2-2400473](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400473.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-18 36.300 18.0.0 1394 - F NR\_redcap-Core, NR\_redcap\_enh-Core

[R2-2400474](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400474.zip) Handover for Reduced Capability Nokia (Rapporteur), Qualcomm, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0782 - F NR\_redcap-Core, NR\_redcap\_enh-Core

- Huawei thinks that for the 36.300 CRs, a RedCap definition needs to be added. Nokia thinks that there is a pointer to 38-series and that’s enough.

* All 4 above agreed

TBoMS

[R2-2400030](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400030.zip) LS on skipping UL transmission and R17 TBoMS ([R1-2312651](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312651.zip); contact: Huawei) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2400128](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400128.zip) Discussion and draft reply LS on skipping UL transmission and R17 TBoMS Huawei, HiSilicon (Contact company) discussion NR\_cov\_enh-Core

Moved from 6.1.1.1

Proposal 1a: Reply to RAN1 that RAN2 does not identify issues if the Rel-16 skipping UL transmission and the Rel-17 TBoMS features are not configured at the same time to a UE.

Proposal 1b: RAN2 adds the following description in RRC specification: “If the UE is configured with enhancedSkipUplinkTxDynamic or enhancedSkipUplinkTxConfigured with value true, numberOfSlotsTBoMS (as specified in TS 38.214, clause 6.1.2.1) is not configured”. And inform RAN1 this update in the reply LS.

Proposal 2: In the reply LS, RAN2 clarifies that the higher layer parameter REPETITION\_NUMBER is “the number of repetitions K” as described in clause 6.1.2.1 of TS 38.214, instead of the “the number of slots used for TBS determination N”.

* [AT125][751] TBoMS (Huawei)

Scope:

* + - Draft LS and CR based on the Huawei paper in [R2-2400128](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400128.zip).

      Intended outcome:

* + - Approvable LS in [R2-2401722](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401722.zip) (Huawei)
    - Agreeable CRs in [R2-2401723](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401723.zip) and [R2-2401724](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401724.zip) (Huawei)

     Deadline:

* + - Friday morning session

[R2-2401722](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401722.zip) Reply LS on skipping UL transmission and R17 TBoMS

* Approved

[R2-2401723](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401723.zip) RRC CR for clarification on R16 skipping UL transmission and R17 TBoMS

* Agreed

[R2-2401724](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401724.zip) RRC CR for clarification on R16 skipping UL transmission and R17 TBoMS

* Agreed

[R2-2400870](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400870.zip) Discussion on LS reply to skipping UL transmission and R17 TBoMS Sharp discussion NR\_cov\_enh-Core

Moved from 6.1.1.1

[R2-2400588](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400588.zip) Discussion on TBoMS and UL Skipping Ericsson discussion Rel-17 38.321 NR\_cov\_enh-Core

[R2-2400928](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400928.zip) Discussion on Skipping UL transmission and R17 TBoMS Apple discussion Rel-17 NR\_cov\_enh-Core, NR\_IIOT

[R2-2400929](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400929.zip) Correction on Skipping UL transmission and R17 TBoMS Apple CR Rel-17 38.331 17.7.0 4569 - F NR\_cov\_enh-Core, NR\_IIOT

MBS

[R2-2400963](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400963.zip) Description of MBS FSA ID Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0792 - F NR\_MBS-Core

- CATT thinks this is not needed. Nokia thinks this is good to tie things together with SA-specs.

* Agreed

SDT

[R2-2401299](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401299.zip) RACH resources while SDT procedure is ongoing Nokia, Samsung, Nokia Shanghai Bell CR Rel-17 38.300 17.7.0 0805 - F NR\_SmallData\_INACTIVE-Core

[R2-2401300](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401300.zip) RACH resources while SDT procedure is ongoing Nokia, Samsung, Nokia Shanghai Bell CR Rel-18 38.300 18.0.0 0806 - A NR\_SmallData\_INACTIVE-Core, NR\_MT\_SDT-Core

- LG thinks that this is clear from MAC so no need to capture this in stage-2. Ericsson thinks this is a nice addition.

* Agreed

Power Saving

[R2-2400025](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400025.zip) LS on periodicity of TRS resources for idle/inactive UEs ([R1-2312620](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312620.zip); contact: Ericsson) RAN1 LS in Rel-17 NR\_UE\_pow\_sav\_enh To:RAN2

[R2-2401049](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401049.zip) Considerations on periodicity of TRS resources for idle/inactive UEs ZTE Corporation,Sanechips discussion Rel-18 NR\_UE\_pow\_sav\_enh-Core

Moved from 6.1.3

Proposal 1: For extension of TRS resource set activation field in DCI 1-0, the short message shall not be touched from RAN2 perspective.

Proposal 2: There is no any solution in RAN2 can be achieved for making the TRS periodicity of 10/20/40/80 ms for R18 UE without any NBC impact on R17 UE.

Proposal 3: Send an LS back regarding the RAN2 understanding.

Proposal 4: RAN2 is kindly asked to refine the field description of frequencyDomainAllocation in TRS-ResourceSet-r17 as ‘This field indicates the offset of the first RE to RE#0 in row 1 of Table 7.4.1.5.3 -1 as defined in TS 38.211 [16]’ , and capture refined wording in rapporteur CR for both R17/R18 RRC specification.

[R2-2401350](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401350.zip) Corrections on the TRS in Idle and Inactive Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Proposal 1 RAN2 to discuss whether a solution that is BC from ASN.1 perspective only is acceptable.

Proposal 2 Clarify in the field description of periodicityAndOffset for the TRS in idle and inactive which TRS periodicity and slot values are not used (Rel-17).

Proposal 3 Introduce an ASN.1 extension to signalling the missing TRS periodicity and offset values for the TRS periodicity in idle and inactive (Rel-18).

Proposal 4 Add references to TS 38.211 to the field description of frequencyDomainAllocation under TRS-ResourceSet-r17 similar as under CSI-RS-ResourceMapping (Rel-17).

Discssuion on P1 in Ericsson-paper:

- ZTE thinks we can do an NBC-change. QC says that RAN1 wanted a backwards compatible approach and support P2 from Ericsson proposal for Rel-18 they can go with majority. Vivo wants to separate the discussion between R17 and R18. Vivo is OK to do an NBC change, but if we should do a backwards compatible approach, the Ericsson approach is OK. Huawei thinks that we cannot do any NBCs for R17. Nokia are OK to do an NBC change for Rel-17.

* [AT125][752] TRS in Idle and Inactive (Ericsson)

Scope:

* + - Discuss how to move forward with the TRS in Idle and Inactive issue to see if we can have a way forward. And CRs if possible.

      Intended outcome:

* + - Way forward in [R2-2401742](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401742.zip), if needed

     Deadline:

* + - Friday morning session

[R2-2401742](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401742.zip) Report of [AT125][752][TRS] TRS in Idle and Inactive (Ericsson)

Proposal 1: Clarify for Rel-17 the TRS periodicity values the network does not use in SIB17.

Proposal 2: Introduction of the new SIB is not further discussed.

Proposal 3: RAN2 to add a Rel-18 extension to SIB17 (option 2) or make an NBC change in Rel-17 to SIB17 (option 3).

Proposal 4: Add to the field description of frequencyDomainAllocation in SIB17 “in table 7.4.1.5.3-1 for frequency domain allocation within a physical resource block (TS 38.211 [16], clause 7.4.1.5.3)”

* **Option 1**: Do nothing (i.e. accept the Rel-17 limitations)
* **Option 2**: Rel-18 extension in *SIB17* (to signal the missing configuration options)
* **Option 3**: new Rel-18 SIB (to signal the missing configuration options)
* **Option 4**: Rel-17 change (i.e. NBC change)

Discussion on P3:

- Ericsson thinks that a majority prefers the NBC approach. Huawei wants to avoic NBC and prefers Option 3 (new SIB). ZTE think that option 1, even if this has a limitation and want to respect the RAN1 decision that we should avoid NBCs. MediaTek think there are no UEs in the field, and prefers Option 3 or 4, but option 4 is simpler and hence preferred. Vivo wants to discuss if Option 4 is acceptable, vivo are fine with option 4. Huawei cannot accept option 4. Ericsson reports that in the offline some companies didn’t accept option 3. Ericsson think that option 1 is too limiting, vivo agrees. Nokia wants to do the NBC approach. CATT want to exclude option 2 and 4. Vivo and OPPO both wants option 3.

* We introduce a new Rel-18 SIB, and the existing SIB17 is kept but we indicate that the NW does not signal some values. The new SIB should support all values. We expect that the gNB would not indicate the same values in SIB17 and in the new SIB. The new SIB should be possible to be used completely on its own, i.e. without SIB17. If we do extensions in the future, those would only be added to the new SIB.
* CRs for this to be discussed in the next meeting

[R2-2401351](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401351.zip) Clarification on TRS in idle and inactive Ericsson CR Rel-17 38.331 17.7.0 4602 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2401352](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401352.zip) Correction on TRS in idle and inactive Ericsson CR Rel-18 38.331 18.0.0 4603 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2401353](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401353.zip) DRAFT Reply LS on periodicity of TRS resources for idle/inactive UEs Ericsson LS out Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN1

[R2-2401220](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401220.zip) Clarification of frequencyDomainAllocation in TRS-ResourceSet-r17 MediaTek Inc. CR Rel-17 38.331 17.7.0 4591 - F NR\_UE\_pow\_sav\_enh-Core

#### 6.1.1.1 Other

NTN

[R2-2401112](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401112.zip) Correction on service link types for GSO MediaTek Inc., Nokia (Rapporteur), Intel CR Rel-17 38.300 17.7.0 0796 - F NR\_NTN\_solutions-Core

[R2-2401116](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401116.zip) Correction on service link types for GSO MediaTek Inc., Nokia (Rapporteur), Intel CR Rel-18 38.300 18.0.0 0797 - A NR\_NTN\_solutions-Core

- Huawei supports the CR.

* Both agreed

Withdrawn

[R2-2400129](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400129.zip) Clarification on R16 skipping UL transmission and R17 TBoMS Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4514 - F NR\_cov\_enh-Core

=> Withdrawn

[R2-2400130](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400130.zip) Clarification on R16 skipping UL transmission and R17 TBoMS Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4515 - A NR\_cov\_enh-Core

=> Withdrawn

### 6.1.3 Control Plane corrections

#### 6.1.3.1 NR RRC

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

NCD-SSB

[R2-2400018](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400018.zip) LS on PBCH payload of NCD-SSB ([R1-2312520](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312520.zip); contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap-Core To:RAN2

[R2-2400142](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400142.zip) Correction to MIB associated with NCD-SSB Qualcomm Incorporated, Ericsson, Huawei, HiSilicon CR Rel-17 38.331 17.7.0 4560 - F NR\_redcap-Core

[R2-2400143](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400143.zip) Correction to MIB associated with NCD-SSB Qualcomm Incorporated, Ericsson, Huawei, HiSilicon CR Rel-18 38.331 18.0.0 4557 - F NR\_redcap-Core

- Editorial errors, which need to be fixed. One space has no change mark. And the R18 CR should be Cat A.

* Agreed unseen in [R2-2401725](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401725.zip) and [R2-2401726](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401726.zip)

[R2-2400212](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400212.zip) Correction to PDCCH configuration of RedCap-specific initial BWP MediaTek Inc. CR Rel-17 38.331 17.7.0 4519 - F NR\_redcap-Core

[R2-2400213](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400213.zip) Correction to PDCCH configuration of (e)RedCap-specific initial BWP MediaTek Inc. CR Rel-18 38.331 18.0.0 4520 - A NR\_redcap-Core

- Ericsson this this is not needed because the NW can give SIB1 in dedicated signalling and hence overwriting the values. MediaTek thinks that we need Need-code for these parameters.

- QC says we need “Source to TSG” so revisions are needed.

* Both agreed unseen in [R2-2401727](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401727.zip) and [R2-2401728](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401728.zip)

[R2-2400455](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400455.zip) Correction on NCD-SSB for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core´

* Merged with RRC rapp CR.

RedCap barring

[R2-2400828](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400828.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4561 - F NR\_redcap-Core

[R2-2400829](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400829.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.0.0 4562 - A NR\_redcap-Core

- Nokia asks if we can do this change from R18. QC and Huawei needs more time and want to postpone.

* Discussion is postponed

Barring of TDD RedCap UEs

[R2-2400980](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400980.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG Electronics Inc., Huawei CR Rel-17 38.331 17.7.0 4577 - F NR\_redcap-Core

[R2-2400981](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400981.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG Electronics Inc, Huawei CR Rel-18 38.331 18.0.0 4578 - A NR\_redcap-Core

- ZTE are Ok with the CRs but the cover page needs updated interoperability section.

- Ericsson wonders if the TDD-case is not handled at all if we go with these CRs.

* [AT125][753] Correction on FD-FDD capability checking for RedCap UE in TDD band (LG)

Scope:

* + - Polish wording for the CRs for Correction on FD-FDD capability checking for RedCap UE in TDD band, incl. the cover page

      Intended outcome:

* + - Agreeable CRs in [R2-2401729](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401729.zip) and [R2-2401730](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401730.zip) (LG)

     Deadline:

* + - Friday morning session

[R2-2401729](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401729.zip) LG electronics, Huawei, Ericsson

[R2-2401730](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401730.zip) LG electronics, Huawei, Ericsson

* Both are agreed

TAC in RA report

[R2-2400554](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400554.zip) Correction on the reporting of TAC in Random access report Fujitsu CR Rel-17 38.331 17.7.0 4537 - F NR\_SON\_MDT-Core

[R2-2400555](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400555.zip) Correction on the reporting of TAC in Random access report Fujitsu CR Rel-18 38.331 18.0.0 4538 - A NR\_ENDC\_SON\_MDT\_enh2-Core

- Samsung thinks that the TAC is included in the cell ID-field. Nokia agrees.

* [AT125][754] Correction on the reporting of TAC in Random access report (Fujitsu)

Scope:

* + - Discuss and conclude if the CRs are needed. Update them if needed.

      Intended outcome:

* + - Agreeable CR in [R2-2401731](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401731.zip) and [R2-2401732](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401732.zip) if the original CRs (in [R2-2400554](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400554.zip) and [R2-2400555](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400555.zip)) are not agreeable (Fujitsu)

     Deadline:

* + - Friday morning session

[R2-2401957](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401957.zip) Summary of [AT125][754] Correction on the reporting of TAC in Random access report (Fujitsu)

[10:1] Proposal 1: Support the inclusion of tracking area code in RA report in Rel-18.

[10:1] Proposal 2: The Rel-18 CR is agreed in [R2-2401732](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401732.zip) with the cover sheet updates.

[R2-2401732](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401732.zip) Correction on the reporting of TAC in Random access report Fujitsu

* Nokia this this is an enhancement and should be discussed in RAN3. Fujitsu thinks RAN3 parts are already in place. Nokia thinks this is not the case for the RA report. Huawei think there is no RAN3 impact, but are OK to postpone and this can be discussed under TEI18.
* Postponed, companies can check further with their RAN3 details. If there is no RAN3 impact, RAN2 sees no roadblocks for agreeing this in the next meeting.

MuSIM

[R2-2400758](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400758.zip) Field conditions for MUSIM gap Ericsson CR Rel-17 38.331 17.7.0 4553 - F LTE\_NR\_MUSIM-Core

[R2-2400759](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400759.zip) Field conditions for MUSIM gap Ericsson CR Rel-18 38.331 18.0.0 4554 - A LTE\_NR\_MUSIM-Core

- CATT agrees since the same IE is used for UL and DL it is good to clarify how the fields are set. Huawei agrees with the intention but there is an error in “*periodic*”.

- Vivo thinks that this is NBC.

- Intel thinks we should not use conditions for UL, but we can instead put everything in field descriptions.

- ZTE thinks this was discussed and is correct. Samsung thinks that nothing is broken.

* Not pursued

FeMIMO

[R2-2400821](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400821.zip) Corrections on uplink power control in unified TCI framework Huawei, HiSillicon CR Rel-17 38.331 17.7.0 4558 - F NR\_FeMIMO-Core

[R2-2400822](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400822.zip) Corrections on uplink power control in unified TCI framework Huawei, HiSillicon CR Rel-18 38.331 18.0.0 4559 - A NR\_FeMIMO-Core

Discussion:

- Ericsson agrees with intention of the change to SRS but wonders if we need a UE capability? Huawei wonders if anyone implemented already? Nokia wants to have an offline.

- Samsung thinks that the second change (PUCCH power control) is just a clarification. Qualcomm

* [AT125][755] Corrections on uplink power control in unified TCI framework (Huawei)

Scope:

* + - Discuss if and what changes are needed for corrections on uplink power control in unified TCI (i.e. discuss both changes in the HW CRs)

      Intended outcome:

* + - Agreeable CRs in [R2-2401733](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401733.zip) and [R2-2401734](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401734.zip) if the original CRs (in [R2-2400821](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400821.zip) and [R2-2400822](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400822.zip)) are not agreeable (Huawei)

     Deadline:

* + - Friday morning session

[R2-2401733](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401733.zip) Corrections on uplink power control in unified TCI framework

[R2-2401734](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401734.zip) Corrections on uplink power control in unified TCI framework

* Both agreed

cg-UCI-Multiplexing

[R2-2400026](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400026.zip) LS on Rel-17 URLLC/IIoT required RRC parameter description change in 38.331 ([R1-2312621](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312621.zip); contact: Nokia) RAN1 LS in Rel-17 NR\_IIOT\_URLLC\_enh-Core To:RAN2

Moved from 6.1.1

[R2-2400972](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400972.zip) Correction on cg-UCI-Multiplexing Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4575 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2400973](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400973.zip) Correction on cg-UCI-Multiplexing Nokia, Nokia Shanghai Bell CR Rel-18 38.331 18.0.0 4576 - A NR\_IIOT\_URLLC\_enh-Core

* Both agreed

Subband reporting

[R2-2401227](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401227.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.306 17.7.0 0988 2 F NR\_FeMIMO-Core [R2-2313723](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2313723.zip)

[R2-2401228](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401228.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.331 17.7.0 4427 2 F NR\_FeMIMO-Core [R2-2313744](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2313744.zip)

[R2-2401208](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401208.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-18 38.306 18.0.0 1046 - A NR\_FeMIMO-Core

[R2-2401209](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401209.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-18 38.331 18.0.0 4590 - A NR\_FeMIMO-Core

- Qualcomm, Huawei and MediaTek does not want the capability indication.

* [AT125][756] Clarification on the condition of subband reporting (Samsung)

Scope:

* + - Remove the capability indication and produce agreeable RRC CRs.

      Intended outcome:

* + - Agreeable CRs in [R2-2401735](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401735.zip) and [R2-2401736](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401736.zip) (Samsung)

     Deadline:

* + - Friday morning session

[R2-2401735](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401735.zip) Clarification on the condition of subband reporting Samsung, Ericsson

[R2-2401736](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401736.zip) Clarification on the condition of subband reporting Samsung, Ericsson

* Both agreed

RLM/BFD relaxation

[R2-2401348](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401348.zip) Open issues RLM/BFD relaxation Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Proposal 1 No further clarifications are needed in RAN2 specification w.r.t. RLM/BFD relaxation state reporting.

Proposal 2 RAN2 assumes that “configured DRX cycle is longer than 80ms” in clause 8.1.1.1 and 8.5.1.1 in 38.133 refers to the “drx-Longcycle” when short DRX cycle is configured.

- Ericsson reports that after offline checking with companies it seems agreeable that if the UE has a long DRX longer than 80 ms, and short DRX shorter than 80 ms, the UE shall be allowed to relax when in short DRX. And this can be captured in stage-2 specs. LG wants to send this issue to RAN4. Nokia want to send this to RAN4 too.

* RAN2 intends that if the UEs currently used DRX-cycle is shorter than 80 ms, the UE is allowed to relax. TBD if/how to capture this in the specs (and in which WG’s spec). RAN2 will also discuss how this impacts the UE reporting.

MBS

[R2-2400964](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400964.zip) MBS frequencies of interest determination Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.7.0 4574 - F NR\_MBS-Core

- QC is not sure what the change in behaviour is, the reference and abbreviation changes are fine though. Nokia says there is no change of behaviour but the procedural text suggests something about SIB21 which is not fully true. Huawei agrees with QC and think the change of procedural text is not needed, and the reference-change is not needed. CATT think the CR is not needed.

* Not pursued

MBS/PWS

[R2-2401349](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401349.zip) MBS and paging during SDT Ericsson discussion Rel-17 NR\_MBS-Core, TEI17

Proposal 1 RAN2 to discuss whether an ETWS/CMAS capable UE should prioritize unicast transmissions over broadcast transmissions when transmitted in the same slot and the beams are not quasi co-located.

Proposal 2 RAN2 to consider to clarify in NOTE 1 that the UE is only required to acquire MBS broadcast if the UE is interested to receive MBS broadcast. And that a UE is only required to receive MBS multicast if the UE has joined an MBS multicast session.

Proposal 3 RAN2 to consider to clarify the use case when the UE is required to acquire SIB1 in RRC\_CONNECTED.

Proposal 4 In NOTE 1 replace “while SDT procedure is ongoing” with “while T319a is running”.

Proposal 5 An ETWS/CMAS capable UE, when in RRC\_CONNECTED receiving Paging PDCCH including etwsAndCmasIndication goes to RRC\_IDLE to receive ETWS/CMAS.

Proposal 6 UE capability signalling is introduced for ETWS and CMAS. The CMAS capability can be signalled per CMAS warning type.

Discussion

- MediaTek on P5: thinks does not think this is a good approach, e.g. if there is an emergency call ongoing. Ericsson says that we can discuss P5 and P6 later.

P1:

- CATT thinks that the NW can handle this by sending PWS when there is no unicast.

* [AT125][764] Prioritization between unicast and SIB broadcast (Ericsson)

Scope:

* + - Discuss and conclude if something needs to be changed in the spec to clarify how UE prioritizes unicast vs. SIB broadcast. See if we can agree the previously postponed CR.

      Intended outcome:

* + - Way forward in [R2-2401764](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401764.zip), if needed

     Deadline:

* + - Friday morning session

[R2-2401764](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401764.zip) Report of [AT125][764] Prioritization between unicast and SIB broadcast (Ericsson)

* Ericsson reports that more time is needed. The confusion come from that the search space index and if/how this is a priority for the UE. This is now closed and companies understanding is that this is not a priority.
* Postponed. If needed, corrections to NOTE 1 in 38.331 can be discussed in RAN2#125-bis based on company contribution.

RACH-ConfigCommon used in CFRA

[R2-2401433](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401433.zip) Clarification on RACH-ConfigCommon used in CFRA ZTE Corporation discussion Rel-17 NR\_redcap-Core Late

Proposal 1: RAN2 to confirm that when CFRA is triggered, the configured dedicated RACH resource can be linked to Rel-15 rach-ConfigCommon or Rel-17 rach-ConfigCommon-r17, depends on which RACH resource set will be selected upon RACH initialization according to TS 38.321.

Proposal 2: Agree the RRC CRs in [1][2].

Discussion

- MediaTek agrees.

[R2-2401434](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401434.zip) Correction on RACH-ConfigCommon for CFRA ZTE Corporation CR Rel-17 38.331 17.7.0 4615 - F NR\_redcap-Core Late

[R2-2401435](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401435.zip) Correction on RACH-ConfigCommon for CFRA ZTE Corporation CR Rel-18 38.331 18.0.0 4616 - A NR\_redcap-Core Late

* [AT125][765] Clarification on RACH-ConfigCommon for CFRA (ZTE)

Scope:

* + - Update the CRs and see if more changes are needed to capture the PDCCH-ordered RA. The CRs should be named “Clarification” rather than “correction”.

      Intended outcome:

* + - Agreeable CR in [R2-2401765](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401765.zip) and [R2-2401766](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401766.zip)(ZTE)

     Deadline:

* + - Friday morning session

[R2-2401765](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401765.zip) Clarification on RACH-ConfigCommon for CFRA

[R2-2401766](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401766.zip) Clarification on RACH-ConfigCommon for CFRA

* Both agreed. RAN2 understanding is that this is a clarification and no change to UE behaviour.
* PDCCH-ordered CFRA can be discussed in next meeting based on contributions.

DC location reporting

[R2-2400059](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400059.zip) LS on R17 DC location signaling ([R4-2321950](http://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_109/Docs//R4-2321950.zip); contact: vivo) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2

[R2-2400169](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400169.zip) Discussion on R17 DC location signalling vivo discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

Proposal 1: Modify the conditions for using offsetValue and offsetlist in offsetToDefault for DC location report as follows:

- offsetValue is used in case in case DefaultDC-Location is not changed due to carrier activation or deactivation and BWP activation or deactivation;

- offsetlist is used in case DefaultDC-Location is changed due to carrier activation or deactivation and BWP activation or deactivation.

Proposal 2: The network uses offsetToDefault to calculate the real DC location of UE, regardless of whether CC/BWP is activated or deactivated. There is no backward compatibility issue.

Proposal 3: If P1 and P2 are agreed, RAN2 to adopt the corresponding CR in [R2-2400170](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400170.zip) and the draft reply LS [R2-2400171](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400171.zip).

[R2-2400170](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400170.zip) Correction on R17 DC location signalling vivo CR Rel-17 38.331 17.7.0 4517 - F NR\_RF\_FR2\_req\_enh2-Core

[R2-2400171](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400171.zip) Draft Reply LS on R17 DC location signaling vivo LS out Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN

[R2-2400110](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400110.zip) Discussion on DC location RRC signaling CATT, Huawei, HiSilicon discussion NR\_RF\_FR2\_req\_enh2-Core

Proposal 1：RAN2 to confirm the following understanding:

If DC location changes accordingly when CC/BWP is activated or de-activated, the frequency component should be set to activeCarrier or activeBWP, and an offsetlist is used.

If DC location doesn’t change accordingly when CC/BWP is activated or de-activated, the frequency component should be set to configuredCarrier or configuredBWP, and a single offsetValue is used.

Proposal 2: do not remove the field description “offsetValue is used in case DefaultDC-Location is set to configuredCarrier or configuredBWP”, as current RRC signaling is sufficient to report real DC locations in different cases.

Proposal 3: do not remove the field description “offsetlist is used in case DefaultDC-Location is set to activeCarrier or activeBWP”, as it’ll lead to a NBC issue.

Proposal 4: Send a reply LS to RAN4 and explain RAN2 understanding/agreements.

Discussion

- vivo think that we don’t need to remove the sentence “offsetlist is used in case DefaultDC-Location is set to activeCarrier or activeBWP”.

-

* RAN2 confirms the following understanding:

If the actual DC location changes accordingly when CC/BWP is activated or de-activated, the frequency component should be set to activeCarrier or activeBWP, and an offsetlist is used.

If the actual DC location doesn’t change accordingly when CC/BWP is activated or de-activated, the frequency component should be set to configuredCarrier or configuredBWP, and a single offsetValue is used.

* We will not update our specs, but will send an LS to RAN4 to clarify our understanding and specs. And clarify that we don’t update since it would be NBC.

[R2-2400111](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400111.zip) DRAFT Reply LS on R17 DC location signaling CATT, Huawei, HiSilicon LS out NR\_RF\_FR2\_req\_enh2-Core To:RAN4

* [AT125][766] LS to RAN4 on DC location reporting (vivo)

Scope:

* + - Draft LS to RAN2 on DC location report according to the agreements

      Intended outcome:

* + - Approvable LS in [R2-2401767](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401767.zip) (vivo)

     Deadline:

* + - Friday morning session

[R2-2401767](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401767.zip) Reply LS on R17 DC location signaling

* Approved

Withdrawn

[R2-2400592](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400592.zip) Discussion on periodicity of TRS resources for idle-inactive UEs Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

=> Withdrawn

[R2-2401206](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401206.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.306 17.7.0 1045 - F NR\_FeMIMO-Core [R2-2313744](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2313744.zip) Withdrawn

[R2-2401207](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401207.zip) Clarification on the condition of subband reporting Samsung, Ericsson CR Rel-17 38.331 17.7.0 4589 - F NR\_FeMIMO-Core [R2-2313723](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2313723.zip) Withdrawn

#### 6.1.3.2 UE capabilities

UE cap corrections 38306, 38331.

Maximum aggregated bandwidth

[R2-2400047](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400047.zip) Reply LS on the CA Aggregated BW capability signaling by the UE ([R4-2322003](http://www.3gpp.org/ftp//tsg_ran/WG4_Radio/TSGR4_109/Docs//R4-2322003.zip); contact: Qualcomm) RAN4 LS in Rel-18 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core To:RAN2

*Moved from 7.25.1.7*

* Noted

[R2-2400351](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400351.zip) Concluding on maximum aggregated BW UE capability Qualcomm Incorporated discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Proposal 1: Not to introduce UE capability signalling for the maximum number of MIMO layers across CCs.

Proposal 2: To agree on Uu signalling part of NR-DC support in RAN2#125 meeting. FFS for inter-node coordination.

Proposal 3: Not to reserve additional spare bits to the supported aggregated BW capability signalling range for FR1.

Proposal 4: To introduce the scaling factor for the calculation of effective aggregated BW in the band combination as proposed in this document.

Proposal 5: To wait for RAN4 response regarding the applicability of maximum aggregated BW UE capability signalling to intra-band FR1 CA.

* Not to introduce UE capability signalling for the maximum number of MIMO layers across CCs.
* To agree on Uu signalling part of NR-DC support in RAN2#125 meeting. FFS for inter-node coordination. The Uu signalling indicates the UE’s max aggregated BW across all CCs in the band combination.
* Not to reserve additional spare bits to the supported aggregated BW capability signalling range for FR1.

DISCUSSION

P2:

- Nokia is OK to wait with inter-node signalling but conditioned that the feature does not work system-wise until INS is added..

On P4:

- Huawei thinks that this is depending on UE capabilities and hence there is no need for this. QC thinks that there is a commercial use case to have the scaling factor. QC needs it. Huawei thinks it adds complexity and performance degradation. QC agrees with Huawei but thinks that the BCS5 siganlling cannot be used in many cases unless we have the scaling factor. CATT this that the original intention of the WI is to reduce signalling overhead. TMO-US supports the scaling factor and the CRs (by QC) as they are. Apple and Nokia also supports the scaling factors. OPPO shares the concerns from OPPO and Huawei.

- OPPO thinks that the scaling factor must be optional. QC thinks this can be accommodated.

* [AT125][757] CRs for BCS5 (Qualcomm)

Scope:

* + - Discuss and conclude the CRs for BCS5, in particular whether there should be a scaling factor.

      Intended outcome:

* + - Agreeable CR in [R2-2401737](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401737.zip) - [R2-2401740](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401740.zip) if the original CRs (in [R2-2400352](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400352.zip) - [R2-2400355](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400355.zip)) are not agreeable (Qualcomm)

     Deadline:

* + - Friday morning session

[R2-2401872](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401872.zip) Reply LS on maximum aggregated bandwidth for FR1 inter-band CA RAN4

* Noted

[R2-2401737](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401737.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA

[R2-2401738](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401738.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA

[R2-2401739](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401739.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA

[R2-2401740](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401740.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA

* 4 above are agreed

[R2-2400721](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400721.zip) Discussion on CA aggregated bandwidth capability Huawei, HiSilicon discussion Rel-18 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Moved from 7.25.1.7

[R2-2400237](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400237.zip) Discussion on Maximum Aggregated Bandwidth Capability OPPO discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Proposal 1 Following R4 reply, R2 not pursue aggregated MIMO layer related capability.

Proposal 2 R2 discuss whether to adopt BB-based aggregated-BW, considering UE BB-capability variations when the scaled aggregated BB-BW is kept as same.

Proposal 3 If R2 would like to adopt BB-based BW based aggregated BW, R2 clarify how the DataRate / DataRateCC should be calculated, e.g., based on each per-CC BW combination under the aggregated-BW restriction.

Proposal 4 If R2 would like to adopt BB-BW based aggregated BW, R2 avoid defining mandatory scaling factor capability, i.e., an optional field of which the presence is only for the case of BB-BW, and in case same MIMO layer and modulation order are reported on all carriers.

Proposal 5 R2 check with R1/4 before applying BB-based aggregated BW for Tx-Switching BC-list.

Proposal 6 R2 discuss whether to extend the capability to NR-DC, but not pursue per-cell-grouping maximum aggregated bandwidth.

[R2-2401029](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401029.zip) Consideration on the Aggragated Bandwidth for the NR-DC Case ZTE Corporation, Sanechips discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Proposal 1: The Aggregated Bandwidth Mechanism shall also be applied to the NR-DC.

Proposal 2: For the NR-DC BC, the aggregated bandwidth restriction shall be defined as a restriction across all FR1 bands.

Proposal 3: If the proposal 2 was agreed, the MN shall also indicates the allowed SN side aggregated bandwidth to the SN.

[R2-2400863](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400863.zip) Discussion on BCS5 capability signalling Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Proposal 1: RAN2 should confirm the understanding in Table 2.1-1.

Proposal 2: Clarify that supportedMinBandwidthDL-r17/supportedMinBandwidthUL-r17 shall be always reported for BCS5 BCs.

Proposal 3: Clarify that scalingFactorSCS = 1 should be signalled when supportedAggBW-FR1-r17 indicates the RF bandwidth limitation and scalingFactorSCS = 2 should be signalled when supportedAggBW-FR1-r17 indicates the baseband bandwidth limitation.

Proposal 4: supportedAggBW-FR1-r17 is not applicable to single CC (non-CA), and a single CC (non-CA) band combination should not inherit the supportedAggBW-FR1-r17 capability from a CA band combination.

Proposal 5: It is mandatory for a UE to signal supportedAggBW-FR1-r17 when the UE indicates support for BCS5 for a (CA) band combination.

[R2-2400352](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400352.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-17 38.331 17.7.0 4523 - C NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400353](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400353.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-18 38.331 18.0.0 4524 - A NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400354](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400354.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-17 38.306 17.7.0 1021 - C NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2400355](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400355.zip) Introduction of maximum aggregated bandwidth for FR1 CA and for FR2 intra-band CA Qualcomm Incorporated, Ericsson, T-Mobile USA CR Rel-18 38.306 18.0.0 1022 - A NR\_BCS4-Core, NR\_RF\_FR2\_req\_enh2-Core

Survival time

[R2-2400517](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400517.zip) Correction on the UE capability of survival time Huawei, HiSilicon CR Rel-17 38.306 17.7.0 1024 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2400518](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400518.zip) Correction on the UE capability of survival time Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1025 - A NR\_IIOT\_URLLC\_enh-Core

- Apple thinks this is not needed. Huawei thinks without this we have an NBC-issue. QC thinks these CRs are correct.

* Both agreed

71 GHz

[R2-2400628](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400628.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-17 36.306 17.5.0 1876 - F NR\_ext\_to\_71GHz-Core

[R2-2400629](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400629.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-18 36.306 18.0.0 1877 - A NR\_ext\_to\_71GHz-Core

[R2-2400630](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400630.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-17 36.331 17.7.0 4984 - F NR\_ext\_to\_71GHz-Core

[R2-2400631](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400631.zip) Removal of references to unknown RAN4 specification Lenovo CR Rel-18 36.331 18.0.0 4985 - A NR\_ext\_to\_71GHz-Core

* 4 above agreed

CEF and RLF reporting for RedCap UEs

[R2-2400704](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400704.zip) CEF and RLF reporting for RedCap UEs MediaTek Inc. CR Rel-17 38.306 17.7.0 1027 - F NR\_redcap-Core

[R2-2400705](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400705.zip) CEF and RLF reporting for (e)RedCap UEs MediaTek Inc. CR Rel-18 38.306 18.0.0 1028 - A NR\_redcap-Core, NR\_redcap\_enh-Core

- Mediatek inedicates that there is a small error on the cover sheet.

- Vodafone thinks that RedCap UEs experience RLF and CEF more often and hence more useful for these types of UEs, and wonders what is the problem to have this mandatory? MediaTek thinks there is a new device type and there is a testing issue with having it mandatory. CATT agrees with Vodafone, CATT prefers that instead RedCap UEs can have smaller memory. MediaTek is not concerned (only) about memory, but there is IODT issues. Huawei thinks that RedCap UEs are not the only UEs in a cell which the NW can ask for these reports. BT shares vodafones concern. Vivo and Nordic shares MediaTeks concern. QC supports MediaTeks proposal. Nokia thinks that if this is agreed no RedCap devices will support this

- Vodafone thinks that IODT testing cannot be an issue since this feature is not new.

* Postponed

FeMIMO

[R2-2400719](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400719.zip) Clarification on capabilities of mixed codebook types Huawei, HiSilicon CR Rel-17 38.306 17.7.0 1029 - F NR\_FeMIMO-Core

[R2-2400720](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400720.zip) Clarification on capabilities of mixed codebook types Huawei, HiSilicon CR Rel-18 38.306 18.0.0 1030 - A NR\_FeMIMO-Core

* Both agreed

Parallel TX

[R2-2401030](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401030.zip) Clarification on the Parallel Tx Capability ZTE Corporation, Sanechips discussion Rel-17 TEI17, NR\_newRAT-Core

Proposal 1: RAN2 to confirm that “for inter-band CA” also includes the NR-DC BC case with the inter-band CA operation on MCG/SCG

Proposal 2: If the proposal 1 was confirmed, RAN2 further confirm that the parallelTxSRS-PUCCH-PUSCH/ parallelTxPRACH-SRS-PUCCH-PUSCH/ parallelTxPUCCH-PUSCH-r17 can also be applied for the NR-DC band combination with inter-band CA operation on MCG/SCG.

Proposal 3: Ran2 to confirm that the parallelTxPRACH-SRS-PUCCH-PUSCH-intraBand-r17/ parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17 /parallelTxSRS-PUCCH-PUSCH-intraBand-r17 can also be applied for the NR-DC case with intra-band non-contiguous CA operation on MCG/SCG.

Proposal 4: Delete the prerequisite of “and parallelTxPRACH-SRS-PUCCH-PUSCH-intraBand-r17”from the field description of the parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17.

Proposal 5: Approve the TP as in the Annex.

DISCUSSION

- QC are OK with the intention but the CRs needs to be polished. QC wants to send an LS to RAN1 to let them confirm P1-P3, but P4 we can agree now. Session chair suggests to not agree any CRs now but wait for RAN1 input.

* [AT125][758] LS to RAN1 on Parallel Tx Capability (ZTE)

Scope:

* + - Draft LS to RAN1

      Intended outcome:

* + - Approvable LS in [R2-2401741](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401741.zip) (ZTE)

     Deadline:

* + - Friday morning session

[R2-2401741](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401741.zip) LS on Paralle Tx Capability

* Approved

[R2-2401026](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401026.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r16) ZTE Corporation, Sanechips CR Rel-16 38.306 16.15.0 1037 - F NR\_2step\_RACH

[R2-2401027](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401027.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1038 - A NR\_2step\_RACH

[R2-2401028](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401028.zip) Clarification on the parallelTxMsgA-SRS-PUCCH-PUSCH-r16(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1039 - A NR\_2step\_RACH

Three above all moved from 5.1.3.2

* Postponed until we hear back from RAN1.

Withdrawn

[R2-2401031](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401031.zip) Correction on Prerequisite Feature for parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17(r17) ZTE Corporation, Sanechips CR Rel-17 38.306 17.7.0 1040 - F TEI17 Withdrawn

[R2-2401032](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401032.zip) Correction on Prerequisite Feature for parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17(r18) ZTE Corporation, Sanechips CR Rel-18 38.306 18.0.0 1041 - A TEI17 Withdrawn

#### 6.1.3.3 Other

Including idle and inactive behaviour specified in 38.304 or 36.304.

PEI

[R2-2400995](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400995.zip) Correction to 38.304 on last used cell for PEI OPPO CR Rel-17 38.304 17.7.0 0383 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2400996](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400996.zip) Correction to 38.304 on last used cell for PEI OPPO CR Rel-18 38.304 18.0.0 0384 - A NR\_UE\_pow\_sav\_enh-Core

[R2-2400993](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400993.zip) Correction to 38.331 on last used cell for PEI OPPO CR Rel-17 38.331 17.7.0 4579 - F NR\_UE\_pow\_sav\_enh-Core

Moved from 6.1.3.1

[R2-2400994](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400994.zip) Correction to 38.331 on last used cell for PEI OPPO CR Rel-18 38.331 18.0.0 4580 - A NR\_UE\_pow\_sav\_enh-Core

Moved from 6.1.3.1

Discussion

- Ericsson thinks that the current spec already covers the scenario when the UE remains stationary and when the UE returns to the previous cell. Huawei agrees with Ericsson.

* Not pursued

# 7 Rel-18

## 7.19 Enhanced support of reduced capability NR devices

(NR\_redcap\_enh-Core; leading WG: RAN1; REL-18; WID: [RP-232671](http://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.

Plan for the eRedCap session

In this session we will:

1. Treat LSs and baseline CRs from (previous) running CR rapporteurs.
2. ACK/NACK the proposed resolutions for the RILs (PropAgree->Agree, PropReject-> Reject)
3. Treat agenda item “Papers related to RILs”
4. Treat RRC CR rapporteur’s paper on RILs not addressed by papers.
5. Treat agenda item “Other”.
6. Update the CRs based on the agreements
7. Agree the CRs

LSs

[R2-2400009](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400009.zip) Reply LS on INACTIVE eDRX above 10.24sec and SDT ([C4-235535](http://www.3gpp.org/ftp//tsg_ct/WG4_protocollars_ex-CN4/TSGCT4_119_Chicago/Docs//C4-235535.zip); contact: Ericsson) CT4 LS in Rel-18 NR\_REDCAP\_Ph2, NR\_redcap\_enh-Core, NR\_MT\_SDT-Core To:SA2, RAN3 Cc:RAN2

[R2-2400075](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400075.zip) Reply LS on INACTIVE eDRX above 10.24sec and SDT ([S2-2313911](http://www.3gpp.org/ftp//tsg_sa/WG2_Arch/TSGS2_160_Chicago_2023-11/Docs//S2-2313911.zip); contact: Ericsson) SA2 LS in Rel-18 NR\_REDCAP\_Ph2, NR\_redcap\_enh-Core, NR\_MT\_SDT-Core To:RAN3, CT4 Cc:RAN2

* Both noted

[R2-2400024](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400024.zip) LS on eRedCap agreements on early indication in MsgA PRACH and on peak rate red capability parameters ([R1-2312618](http://www.3gpp.org/ftp//tsg_ran/WG1_RL1/TSGR1_115/Docs//R1-2312618.zip); contact: Ericsson) RAN1 LS in Rel-18 NR\_redcap\_enh-Core To:RAN2

* Noted

[R2-2400080](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400080.zip) Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 ([S2-2401530](http://www.3gpp.org/ftp//tsg_sa/WG2_Arch/TSGS2_160AHE_Electronic_2024-01/Docs//S2-2401530.zip); contact: Huawei) SA2 LS in Rel-18 NR\_redcap\_enh-Core To:RAN3, RAN2 Cc:CT4

* Noted

[R2-2401053](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401053.zip) Discussion on SA2 LS regarding the RedCap and eRedCap capabilities Qualcomm Incorporated discussion NR\_redcap\_enh-Core

*Moved from agenda item 7.19.3*

[R2-2400595](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400595.zip) Draft\_Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 Huawei, HiSilicon LS out Rel-18 NR\_redcap\_enh-Core To:SA2 Cc:RAN3

- Huawei think there is no use case when a UE is both RedCap and eRedCap, these are two different UE types. LG agrees. Vivo thinks that the UE can change based on implementation. Nokia think the UE can do this based on implementation but the UE needs to reattach. QC thinks that the UE can reattach. Intel think that the RedCap and eRedCap are not completely indepdenent, and we need to clarify this to SA2.

* RAN2 understanding is that a UE is either RedCap or eRedCap, but we understand that the UE can update its capabilities by NAS-procedures.
* [AT125][767] Reply LS to SA2 on RedCap and eRedCap capabilities (Huawei)

Scope:

* + - Produce approvable LS

      Intended outcome:

* + - Approvable LS in [R2-2401768](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401768.zip) (Huawei)

     Deadline:

* + - Friday morning session

[R2-2401768](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401768.zip) [Draft] Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502

* Approved unseen in R2-2401888

Baseline CRs

[R2-2400456](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400456.zip) Miscellaneous corrections on TS 38.321 for eRedCap vivo (Rapporteur) CR Rel-18 38.321 18.0.0 1742 - F NR\_redcap\_enh-Core

[R2-2401008](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401008.zip) Correction on eRedCap OPPO CR Rel-18 38.300 18.0.0 0794 - F NR\_redcap\_enh-Core

[R2-2400875](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400875.zip) Miscellaneous corrections for eRedCap Ericsson CR Rel-18 38.331 18.0.0 4565 - F NR\_redcap\_enh-Core

* Endorsed and to be updated based on the progress of this meeting.
* [AT125][770] eRedCap RRC CR (Ericsson)

Scope:

* + - Produce agreeable

      Intended outcome:

* + - Agreeable CR in [R2-2401881](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401881.zip) (Ericsson)

     Deadline:

* + - Friday morning session

[R2-2401881](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401881.zip) Misc RRC corrections to eRedCap Ericsson

* [Post125][8XX][eRedCap] RRC CR for eRedCap (Ericsson)

Scope:

* + - Produce agreeable RRC CR for eRedCap

      Intended outcome:

* + - Agreeable CR in R2-2401889 (Ericsson)

     Deadline:

* + - Friday morning session
* [AT125][771] eRedCap 38.306 CR (Intel)

Scope:

* + - Produce agreeable

      Intended outcome:

* + - Agreeable draft CR in [R2-2401882](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401882.zip) (Intel)

     Deadline:

* + - Friday morning session

[R2-2401882](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401882.zip) Correction of MDT logged measurement memory requirement for eRedCafor Rel-18 eRedCap Intel

* Endorsed to be merged in mega 38.306 CR
* [AT125][772] eRedCap MAC CR (vivo)

Scope:

* + - Produce agreeable

      Intended outcome:

* + - Agreeable CR in [R2-2401883](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401883.zip) (vivo)

     Deadline:

* + - Friday morning session
* Agreed unseen in [R2-2401883](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401883.zip)

RIL list

[R2-2400877](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400877.zip) RIL list for eRedCap Ericsson discussion Rel-18 NR\_redcap\_enh-Core

* All PropAgree are agreed.
* All PropReject are rejected

### 7.19.2 Papers related to RILs

Papers related to identified RILs

[R2-2400323](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400323.zip) [X110] Clarification on eRedcap MsgA PUSCH and proposed TP to RRC Xiaomi Communications discussion

[R2-2400599](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400599.zip) [H742] [X110] Discussion on the restriction of using 2-step RACH for eRedCap UE Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

- Nokia thinks that we can capture this as UE behaviour, i.e. as Xiaomi proposes. Vivo agrees. LG prefers UE behaviour but want to polish the wording suggested by Xiaomi, namely by not mentioning group A/B.

* The direction suggested by X110 is agreed, but we will polish wording when implementing in the spec

[R2-2400597](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400597.zip) [H738] [V170] Discussion on eRedCap specific initial DL or UL BWP Huawei, HiSilicon, vivo discussion Rel-18 NR\_redcap\_enh-Core

- Ericsson thinks that the intention was to have (e)RedCap, and it means that the BWP is for both RedCap and eRedCap. OPPO says that in Stage-2 there is no (e) in stage2, so its good to align in RRC. MediaTek is OK to drop the (e) or refer to the field name. Intel wants to drop the (e). Ericsson is OK to align all spec.

* [H738] [V170] are agreed, i.e. we drop the (e) when we talk about the RedCap BWP

[R2-2400598](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400598.zip) [H739] Discussion on eRedCap capability filtering Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

- MediaTek does not see any value of adding this.

* [H739] is agreed.

[R2-2401478](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401478.zip) [V171 V172] Clarification on eRedCapIgnoreCapabilityFiltering vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

- Intel agrees. QC agrees. Nokia also agrees.

* [V171 V172] is agreed

[R2-2401479](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401479.zip) [V173 V174 V175] Clarification on ran-ExtendedPagingCycle-r18 vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

- Intel agree

* [V173 V174 V175] are agreed

[R2-2401480](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401480.zip) [V176] Discussion on the fallback configuration for eDRX in RRC inactive vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

- Ericsson thinks this is not needed and puts a bad precedence.

* RAN2 understands that the network could configure both ran-ExtendedPagingCycle-r17 and ran-ExtendedPagingCycle-Config-r18 simultaneously
* Capture in the field description of ran-ExtendedPagingCycle that “The extended DRX (eDRX) cycle for RAN-initiated paging to be applied by the UE, as defined in TS 38.304 [X].”
* [V176] is rejected

[R2-2401482](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401482.zip) [V179] Discussion on the missing case for only RedCap and only eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core Late

* [V179] is agreed, but wording will be polished (as for all other implementations in the CRs).

[R2-2401721](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401721.zip) List of eRedCap WI RILs with no Tdoc Ericsson discussion Late

On H741

- Huawei thinks this is covered by another RIL.

* H741 is rejected

On B017:

- Lenovo explains we don’t want to use the extension since its SIB and overhead sensitive.

* B017 is agreed

On V177 and V178

- vivo explains that V177 and V178 will be discussed later

On Z429

- vivo explains that this has been addressed in another CR where the whole word “RedCap” has been removed.

On E166 and E170

* E166, E170 and E171 are agreed.

Withdrawn

[R2-2400457](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400457.zip) [V171 V172] Clarification on eRedCapIgnoreCapabilityFiltering vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4526 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400458](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400458.zip) [V173 V174 V175] Clarification on ran-ExtendedPagingCycle-r18 vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4527 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400459](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400459.zip) [V176] Discussion on the fallback configuration for eDRX in RRC inactive vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4528 - F NR\_redcap\_enh-Core

R=> Withdrawn

2-2400460 [V177 V178] Discussion on reduced requirements for logged MDT and RA report for eRedCap vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4529 - F NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400461](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400461.zip) [V179] Discussion on the missing case for only RedCap and only eRedCap vivo, Guangdong Genius CR Rel-18 38.331 18.0.0 4530 - F NR\_redcap\_enh-Core

=> Withdrawn

### 7.19.3 Other

*Critical corrections, if any.*

2-step for eRedCap

[R2-2401844](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401844.zip) Remaining issues on the use of 2-step RA resources for eRedCap UEs and proposed TP to RRC Xiaomi Communications discussion

Proposal 1. For the case (4-step PRACH eRedCap + 2-step PRACH RedCap), if RSRP of the downlink pathloss reference is above msgA-RSRP-Threshold, the UE considers Redcap to be applicable for random access procedure, then 2-step PRACH RedCap will be chosen. Otherwise, UE considers eRedcap to be applicable for random access procedure, then 4-step PRACH eRedCap will be chosen.

Proposal 2. RAN2 is suggested to capture the use of 2-step RA resources for eRedCap in RRC spec.

Discussion on P1:

- LG is OK with this but want to clarify that this applies only when the threshold is configured.

* Send an LS to RAN1 saying that we recommend to support 2-step RA for eRedCap letting them indicate if this would be complicated from their point of view. If that is not agreeable to RAN1, inform RAN1 that RAN2 will not specify the approach where eRedCap UE uses 2-step RedCap RA resources. If agreeable to support 2-step RA for eRedCap, we will specify that an eRedCap UE falling back from 2-step RA (on eRedCap resources) will use 4-step eRedCap resources.
* [AT125][768] LS to RAN1 on 2-step for eRedCap (Ericsson)

Scope:

* + - Draft LS to RAN2 on 2-step for eRedCap

      Intended outcome:

* + - Approvable LS in [R2-2401769](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401769.zip) (Ericsson)

     Deadline:

* + - Friday morning session

[R2-2401769](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401769.zip) [DRAFT] LS on 2-step for eRedCap

* Approved unseen in R2-2401890 with these modifications:

“RAN2 decided to recommend RAN1 to support 2-step RA for eRedCap UEs on 2-step eRedCap resource.”

“If this is not agreeable RAN2 will assume that 2-step RA for eRedCap is not supported at all.”

[R2-2400986](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400986.zip) Remaining issues on eRedCap LG Electronics Inc. discussion Rel-18 NR\_redcap\_enh-Core

1Rx/2Rx

[R2-2400827](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400827.zip) 1 Rx and 2 Rx eRedCap UE barring Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_redcap\_enh-Core

Proposal 1: Barring determination is done based on the 1Rx/2Rx support on the current band instead of whether the UE is equipped with 1Rx branch or 2Rx branches.

Proposal 2: eRedCap UE supporting both 1Rx and 2Rx operation does not consider the cell as barred if cellBarred-eRedCap1Rx or cellBarred-eRedCap2Rx is set to “not barred”.

Proposal 3. Adopt the TP for TS 38.331 in Appendix 1.

- LG has concerns about the TPs. Intel supports the intention and the proposals but want to polish the TPs, and add the change that is for cellBarred-eRedCap2Rx, also for cellBarred-eRedCap1Rx. Apple agrees with the intention. Huawei thinks that the barring indication is per cell, not per band of the cell. QC also wonders what the “current band” is. Vivo agrees with the intention. Nokia agrees with Huawei that polishing is needed for “current band”. Ericsson also agrees with the intention. Sequans supports the intention.

* [AT125][769] 1 Rx and 2 Rx eRedCap UE barring (Nokia)

Scope:

* + - Discuss and conclude if there is an agreeable way forward regarding 1 Rx and 2 Rx eRedCap UE barring. Produce CR if needed.

      Intended outcome:

* + - Agreeable CR in [R2-2401770](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401770.zip) if needed (Nokia)

     Deadline:

* + - Friday morning session

[R2-2401770](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401770.zip) Correction on (e)Redcap 1 Rx and 2 Rx barring

Style issues. Everything is “Normal”.

* Postponed

eRedCap not using MsgA PUSCH exceeding its capabilities

[R2-2401122](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401122.zip) Discussion on eRedCap remaining open issue NEC Corporation discussion

[R2-2400462](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400462.zip) Discussion on remaining issues for eRedCap vivo, Guangdong Genius discussion Rel-18 NR\_redcap\_enh-Core

Focus on P7-P10

[R2-2400878](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400878.zip) Discussion on fallback from 2-step to 4-step RA for eRedCap UEs Ericsson discussion Rel-18 NR\_redcap\_enh-Core

Chair: Covered by other agreements

Clarifications in MAC

[R2-2401240](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401240.zip) Remaining issues of RA resources selection for eRedCap (MAC) ZTE Corporation, Sanechips discussion Rel-18 NR\_redcap\_enh-Core

Focus on P1 and P2.

* Xiaomi thinks we can postpone until we hear from RAN1. Vivo thinks this is not correct anyway.
* Noted

Peak rate

[R2-2400596](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400596.zip) Discussion on two step RA issue and peak data rate LS for eRedCap Huawei, HiSilicon discussion Rel-18 NR\_redcap\_enh-Core

Focus on P3

Proposal 3: In TS 38.306, specify the suggested reported value in scalingFactor, supportedModulationOrderDL and supportedModulationOrderUL, in order to specify the s10 Mbps peak data rate.

- Intel thinks this is not needed and already covered by current spec.

* Not pursued

SON/MDT

[R2-2401052](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401052.zip) Discussion on SON/MDT reports for eRedCap Qualcomm Incorporated discussion NR\_redcap\_enh-Core [R2-2312918](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_124/Docs//R2-2312918.zip)

Proposal 1: The memory requirements for RA-report and logged MDT report for eRedCap UEs should be reduced.

- The number of entries in the RA report is reduced to 2 entries.

- The minimum logged MDT memory required is reduced to 16 KBs.

* The memory requirements for RA-report and logged MDT report for eRedCap UEs should be reduced.

The number of entries in the RA report is reduced to 2 entries.

The minimum logged MDT memory required is reduced to 16 KBs.

Withdrawn / Old revisions

[R2-2401395](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401395.zip) Remaining issues on eRedcap Sequans Communications discussion Rel-18 NR\_redcap\_enh-Core

=> Withdrawn

[R2-2400324](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2400324.zip) Remaining issues on the use of 2-step RA resources for eRedCap UEs and proposed TP to RRC Xiaomi Communications discussion

# Summary

No comebacks for the main room.

Post meeting email discs:

* [Post125][763][SRS-only cell] Bandwidth of the SRS-only Cell (ZTE)

Scope:

* + - Discuss and conclude whether we can confirm P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip)

      Intended outcome:

* + - Confirmation of P1 in [R2-2401936](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401936.zip), if possible

     Deadline:

* + - Short
* [Post125][8XX][eRedCap] RRC CR for eRedCap (Ericsson)

Scope:

* + - Produce agreeable RRC CR for eRedCap

      Intended outcome:

* + - Agreeable CR in R2-2401889 (Ericsson)

     Deadline:

* + - Friday morning session

# Note to self (For Mattias)

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

[R2-2401721](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401721.zip) List of eRedCap WI RILs with no Tdoc Emre

[R2-2401722](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401722.zip) TBoMS LS Huawei

[R2-2401723](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401723.zip) TBoMS CR Huawei

[R2-2401724](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401724.zip) TBoMS CR Huawei

[R2-2401725](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401725.zip) Correction to MIB associated with NCD-SSB Qualcomm

[R2-2401726](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401726.zip) Correction to MIB associated with NCD-SSB Qualcomm

[R2-2401727](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401727.zip) Correction to PDCCH configuration of RedCap-specific initial BWP MediaTek

[R2-2401728](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401728.zip) Correction to PDCCH configuration of RedCap-specific initial BWP MediaTek

[R2-2401729](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401729.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG

[R2-2401730](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401730.zip) Correction on FD-FDD capability checking for RedCap UE in TDD band LG

[R2-2401731](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401731.zip) Correction on the reporting of TAC in Random access report Fujitsu

[R2-2401732](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401732.zip) Correction on the reporting of TAC in Random access report Fujitsu

[R2-2401733](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401733.zip) Corrections on uplink power control in unified TCI framework Huawei

[R2-2401734](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401734.zip) Corrections on uplink power control in unified TCI framework Huawei

[R2-2401735](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401735.zip) Clarification on the condition of subband reporting Samsung

[R2-2401736](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401736.zip) Clarification on the condition of subband reporting Samsung

[R2-2401737](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401737.zip) Introduction of maximum aggregated bandwidth Qualcomm

[R2-2401738](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401738.zip) Introduction of maximum aggregated bandwidth Qualcomm

[R2-2401739](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401739.zip) Introduction of maximum aggregated bandwidth Qualcomm

[R2-2401740](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401740.zip) Introduction of maximum aggregated bandwidth Qualcomm

[R2-2401741](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401741.zip) LS to RAN1 on Parallel Tx Capability ZTE

[R2-2401742](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401742.zip) TRS in Idle and Inactive Ericsson

[R2-2401743](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401743.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401744](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401744.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401745](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401745.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401746](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401746.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401747](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401747.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401748](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401748.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401749](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401749.zip) Correction on Event A3, A4 and A5 for LTE CHO Huawei

[R2-2401750](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401750.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE

[R2-2401751](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401751.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE

[R2-2401752](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401752.zip) Correction on reducedCCsDL and reducedCCsUL in overheating report ZTE

[R2-2401753](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401753.zip) Discussion on UE capability segmentation Huawei

[R2-2401754](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401754.zip) Discussion on UE capability segmentation Huawei

[R2-2401755](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401755.zip) Discussion on UE capability segmentation Huawei

[R2-2401756](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401756.zip) Clarification on ca-ParametersNRDC capability Huawei

[R2-2401757](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401757.zip) Clarification on ca-ParametersNRDC capability Huawei

[R2-2401758](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401758.zip) Clarification on ca-ParametersNRDC capability Huawei

[R2-2401759](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401759.zip) Clarification on ca-ParametersNRDC capability Huawei

[R2-2401760](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401760.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE

[R2-2401761](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401761.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE

[R2-2401762](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401762.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE

[R2-2401763](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401763.zip) Clarification on the Supported Bandwidth of the SRS-only Cell ZTE

[R2-2401764](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401764.zip) Way forward for Prioritization between unicast and SIB broadcast Ericsson

[R2-2401765](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401765.zip) Clarification on RACH-ConfigCommon for CFRA ZTE

[R2-2401766](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401766.zip) Clarification on RACH-ConfigCommon for CFRA ZTE

[R2-2401767](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401767.zip) DRAFT Reply LS on R17 DC location signaling vivo

[R2-2401768](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401768.zip) LS to SA2 on RedCap and eRedCap capabilities Huawei

[R2-2401769](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401769.zip) LS to RAN1 on 2-step for eRedCap Ericsson

[R2-2401770](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401770.zip) 1 Rx and 2 Rx eRedCap UE barring Nokia

[R2-2401881](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401881.zip) eRedCap RRC CR Ericsson

[R2-2401882](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401882.zip) eRedCap 38.306 CR Intel

[R2-2401883](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401883.zip) eRedCap MAC CR vivo

[R2-2401884](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401884.zip) Correction on Redcap 1 Rx and 2 Rx barring Nokia

[R2-2401885](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401885.zip) Tdoc number collision. This was used for something else

[R2-2401886](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401886.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401887](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401887.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401888](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401888.zip) Reply LS on Rel-18 RedCap enhancements to address remaining ENs in TS 23.502 RAN2

[R2-2401889](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401889.zip) RRC CR for eRedCap Ericsson

[R2-2401890](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401890.zip) LS on 2-step for eRedCap RAN2

[R2-2401891](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401891.zip) Correction on UE location information in NB-IoT RLF report Qualcomm

[R2-2401892](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401892.zip)

[R2-2401893](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401893.zip)

[R2-2401894](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401894.zip)

[R2-2401895](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401895.zip)

[R2-2401896](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401896.zip)

[R2-2401897](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401897.zip)

[R2-2401898](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401898.zip)

[R2-2401899](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401899.zip)

[R2-2401900](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401900.zip)

[R2-2401901](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401901.zip)

[R2-2401902](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401902.zip)

[R2-2401903](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401903.zip)

[R2-2401904](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401904.zip)

[R2-2401905](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401905.zip)

[R2-2401906](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401906.zip)

[R2-2401907](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401907.zip)

[R2-2401908](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401908.zip)

[R2-2401909](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401909.zip)

[R2-2401910](http://www.3gpp.org/ftp//tsg_ran/WG2_RL2/TSGR2_125/Docs//R2-2401910.zip)