3GPP TSG-RAN WG2 Meeting #118 electronic R2-2206152

Online, May 9th - 20th, 2022

**Agenda item: 10.2**

**Source: Vice Chairman (ZTE Corporation)**

**Title: Report from Break-out session on R17 NTN, REDCAP and CE**

**Document for: Approval**

General

Recording of voice or video at meetings is not used in 3GPP. This applies also to this e-Meeting. At this e-Meeting, no specific actions are taken to prevent the recording of web conferences. Companies that have concerns related to recordings, if any, may express those by email in the main meeting organizational thread [AT118-e][000]

Organizational

1. All organization emails and notes will be shared over the following email discussion throughout the meeting:
* [AT118-e][100] ****Organizational - NTN, REDCAP and CE session (RAN2 VC)****

Scope:

* + - Share plans for the meeting and list of ongoing email discussions for the sessions related to NTN, REDCAP and CE
		- Share meetings notes and agreements for review and endorsement

Schedule/Plan

WEEK 1:

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ZoneUTC** | **Web Conference R2 - Main** | **Web Conference R2 - BO1** | **Web Conference R2 - BO2** |
| **Monday** |  |  |  |
| 12:30-13:15 | NR17 IoT NTN (Johan) | NR17 RAN Slicing (Tero) | NR17 SL enh (Kyeongin) |
| 13:15-14:00 | NR17 IoT NTN (Johan) | NR17 Small Data Enh (Diana) | NR17 SL enh (Kyeongin) |
| 14:00-14:45 | NR17 feMIMO (Johan) | NR17 Small Data Enh (Diana) | NR17 SL Relay (Nathan) |
| 14:45-15:30 | NR17 MGE (Johan) | NR17 RACH indication / partitioning (Diana) | NR17 SL Relay (Nathan) |
| **Tuesday** |  |  |  |
| 12:30-13:15 | NR17 feMIMO (Johan) | NR17 SONMDT (HuNan) | LTE17 IoT (Brian) |
| 13:15-14:00 | NR17 eIAB (Johan) | NR17 IIOT (Diana) | **NR17 RedCap (Sergio)****- 6.12.1.1: incoming LSs****- 6.12.2.1: offline [105] (NCD-SSB)****- 6.12.2.2: offline [109] (RRM relaxation); RSRP threshold offset for 1Rx UE (if time allows)****- 6.12.3 (if time allows)** |
| 14:00-14:45 | NR17 ePowSav (Johan) | NR17 Pos (Nathan) | **NR17 NTN (Sergio)****- 6.10.1.1: incoming LSs****- 6.10.3.1: offline [107] (System information)****- 6.10.3.2: offline [106] (CP issues)****- 6.10.3.2: offline [101] (RIL handling)** |
| 14:45-15:30 | TBD | NR17 Pos (Nathan) | **NR17 NTN (Sergio)****- 6.10.4: offline [108] (UE capabilities)****- 6.10.2: offline [104] (UP corrections)** |
| **Wednesd** |  |  |  |
| 04:00-05:00 | NR17 QoE (Johan) | LTE All releases, including LTE Rel-17 ASN.1 review (Tero) | NR17 Pos or SL Relay (Nathan) |
| **Thursday** |  |  |  |
| 04:00-05:00 | NR17 MBS (Johan) |  NR17 Multi-SIM (Tero)  | **NR17 RedCap (Sergio)****- 6.12.2.2: offline [102] (RIL handling)** **- 6.12.4: offline [110] (UE capabilities)****NR17 CovEnh (Sergio)****- 8.19.1.1: Incoming LSs****- 8.19.2: offline [103] (RIL handling)** |
| **Friday** |  |  |  |
| 04:00-05:00 | NR17 MBS (Johan) | NR17 DCCA (Tero) | EUTRA legacy IoT (Emre/Brian) |

WEEK 2:

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ZoneUTC** | **Web Conference R2 - Main** | **Web Conference R2 - BO1** | **Web Conference R2 - BO2** |
| **Monday** |  |  |  |
| 12:30-13:15 | NR17 ASN.1 review | NR17 SONMDT (HuNan) | LTE17 IoT (Brian) |
| 13:15-14:00 | NR17 ASN.1 review | NR17 IIOT (Diana) | NR17 Pos (Nathan) |
| 14:00-14:45 | NR17 UE caps  | NR17 RACH indication / partitioning (Diana) | CB Nathan |
| 14:45-15:30 | NR15 NR16 CB (Johan) | CB Diana | CB Nathan |
| **Tuesday** |  |  |  |
| 12:30-13:15 | NR17 TEI (Johan)CB MGE Johan | **CB Sergio (NR NTN)** | NR17 SL enh (Kyeongin) |
| 13:15-14:00 | CB MBS Johan | **CB Sergio (NR NTN)** | NR17 SL enh (Kyeongin) |
| 14:00-14:45 | CB IoT NTN Johan | NR17 up to 71 GHz (Tero) | CB Diana |
| 14:45-15:30 | CB ePowSav Johan | CB Tero (RAN slicing, LTE) | CB Diana |
| **Wednesday** |  |  |  |
| 12:30-13:15 | NR17 feMIMO | CB HuNan  | CB Brian Emre  |
| 13:15-14:00 | CB Johan | **CB Sergio (RedCap)** | CB Nathan |
| 14:00-14:45 | CB Johan | **CB Sergio (RedCap)** | CB Nathan  |
| 14:45-15:30 | CB Johan | CB Tero (DCCA, Multi-SIM) | CB Kyeongin |
| **Thursday** |  |  |  |
| 04:00-05:00 | CB Johan | CB TBD | CB TBD |
| **Friday** |  |  |  |
| 04:00-05:00 | CB Johan | CB TBD | CB TBD |

List and status of offline email discussions

NOTE: No offline email discussions will be kicked off before Sunday May 08th, 19:00 UTC

* [AT118-e][101][NTN] RRC CR (Ericsson)

Initial scope: continue the discussion on the NR NTN WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206191): Tuesday 2022-05-10 1000 UTC

* [AT118-e][102][RedCap] RRC CR (Ericsson)

Initial scope: continue the discussion on the RedCap WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Wednesday 2022-05-11 2000 UTC

Deadline (for rapporteur's summary in R2-2206192): Wednesday 2022-05-11 2200 UTC

* [AT118-e][103][CovEnh] RRC CR (Huawei)

Initial scope: continue the discussion on the CovEnh WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Thursday 2022-05-12 0000 UTC

Deadline (for rapporteur's summary in R2-2206193): Thursday 2022-05-12 0200 UTC

* [AT118-e][104][NTN] UP corrections (Interdigital)

Initial scope: based on contributions in 6.10.2, discuss corrections for TA reporting, msg3 retx, Contention Resolution timer, validity timer expiry, HARQ RTT timer extension and other general UP corrections

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Monday 2022-05-09 2000 UTC

Deadline (for rapporteur's summary in R2-2206194): Monday 2022-05-09 2200 UTC

Proposals marked "for agreement" in R2-2206194 not challenged until Tuesday 2022-05-10 1000 UTC will be declared as agreed via email by the session chair (for the rest the discussion will continue online).

* [AT118-e][105][RedCap] NCD-SSB aspects (ZTE)

Initial scope: Continue the discussion on NCD-SSB aspects, based on [R2-2206143](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206143.zip), including a possible reply LS to [R2-2204486](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204486_R4-2207104.docx)

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204486](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204486_R4-2207104.docx)
* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206195): Tuesday 2022-05-10 1000 UTC

* [AT118-e][106][NTN] CP issues (Nokia)

Initial scope: based on contributions in 6.10.3, discuss CHO @ T2 expiry; assistance information for SMTC and neighbour cell information/ephemeris

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206196): Tuesday 2022-05-10 1000 UTC

* [AT118-e][107][NTN] System information (Huawei)

Initial scope: discuss incoming LS in [R2-2204468](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204468_R1-2202843.docx) and a possible reply LS on cell-specific k\_offset ambiguity (considering [R2-2206041](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206041.zip), [R2-2204714](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204714%20Discussion%20on%20neighbor%20cell%27s%20epoch%20time%20and%20Koffset%27s%20ambiguity%20issue.doc), [R2-2205650](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205650%20Cell-specific%20K_offset%20ambiguity.docx)). Also discuss SIB19 processing and updating aspects (e.g. based on relevant proposals in [R2-2205234](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205234%20Discussion%20on%20the%20parameters%20influencing%20SI%20modification%20proc....docx), [R2-2205301](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205301%20Discussion%20on%20SIB19%20processing%20and%20updating.doc), [R2-2205528](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205528%20Resolving%20open%20NTN%20issues%20for%20IDLE%20mode.docx), [R2-2205696](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205696_6.10.3.1.1_SIB.docx), [R2-2205651](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205651%20Epoch%20time%20and%20validity%20timer%20expiry.docx), [R2-2204749](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204749%20Discussion%20on%20SIB%20X%20acquiring%20procedure.doc), [R2-2205700](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205700_6.10.3.2.2_epochTime.docx), [R2-2205303](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205303%20%5BH803%5D%20Discussion%20on%20on-demand%20SIB%20for%20NTN.doc) and [R2-2205754](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205754_RIL%20H803%20TS38.300%20Clarification%20on%20SIB19%20Provisioning.docx))

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204468](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204468_R1-2202843.docx)
* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206197): Tuesday 2022-05-10 1000 UTC

* [AT118-e][108][NTN] UE capabilities (Intel)

Initial scope: discuss UE capabilities based on contributions in 6.10.4

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206198): Tuesday 2022-05-10 1000 UTC

* [AT118-e][109][RedCap] RRM relaxation (vivo)

Initial scope: discuss incoming LS in [R2-2204487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204487_R4-2207109.doc) and the need/content of a possible reply LS (also considering [R2-2204620](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204620%20Discussion%20on%20RAN4%20LS%20on%20RRM%20Relaxation%20for%20RedCap.docx)). Also discuss corrections for RRM relaxation based on [R2-2204736](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204736%20-%20%5BO372%5D%20Discussion%20on%20prohibit%20timer%20for%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc), [R2-2204737](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204737%20-%20%5BO377%5D%20Correction%20to%2038.331%20on%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc), [R2-2204815](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204815_Coexistence%20of%20Rel-16%20and%20Rel-17%20RRM%20Relaxation%20Criteria.docx), [R2-2205089](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205089.doc), [R2-2205091](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205091.docx), [R2-2205284](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205284%20%5BJ001%5D%20Correction%20on%20Srxlev%20in%20connected%20RRM%20relaxation%20critrion.doc).

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204487_R4-2207109.doc) (if needed)
* List of proposals/CRs for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206199): Tuesday 2022-05-10 1000 UTC

* [AT118-e][110][RedCap] UE capabilities (Intel)

Initial scope: discuss incoming LSs on UE capabilities and other UE capabilities aspects based on contributions in 6.12.4 (and in other AIs, e.g. [R2-2204619](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204619%20Discussion%20on%20RAN4%20LS%20on%20FR2%20RedCap%20UE.docx), [R2-2205637](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205637-RedCap-PC7-331.docx), [R2-2205638](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205638-RedCap-PC7-306.docx))

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Wednesday 2022-05-11 1400 UTC

Deadline (for rapporteur's summary in R2-2206200): Wednesday 2022-05-11 1500 UTC

Proposals marked "for agreement" in R2-2206200 not challenged until Thursday 2022-05-12 0300 UTC will be declared as agreed via email by the session chair (for the rest the discussion will continue online).

## 8.10 NR Non-Terrestrial Networks (NTN)

(NR\_NTN\_solutions-Core; leading WG: RAN2; REL-17; WID: [RP-211557](file:///C%3A%5CData%5C3GPP%5Carchive%5CRAN%5CRAN%2392%5CTdocs%5CRP-211557.zip))

RAN2 parts of the WI has been declared 100% complete. The exception sheet in RP-220209 contains RAN4 impacts.

Tdoc Limitation: 8 tdocs

### 6.10.1 Organizational

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

#### 6.10.1.1 LS in

For LSes that need action: one tdoc by contact company to address the LS and potential reply is considered.

Rapporteur input may be provided.

SIB19 updating

[R2-2204468](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204468_R1-2202843.docx) Reply LS on NTN-specific SIB (R1-2202843; contact: Huawei) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

* Discussed in offline 107

[R2-2206041](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206041.zip) Discussion on ambiguity of cell-specific K\_offset Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

Neighbour cell information

[R2-2204470](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204470_R1-2202873.docx) Reply LS to RAN2 on NR NTN Neighbour Cell and Satellite Information (R1-2202873; contact: Thales) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

* Discussed in offline 106

UE location during initial access

[R2-2204496](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204496_R3-222861.docx) Reply LS on UE location during initial access in NTN (R3-222861; contact: Thales RAN3 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2 Cc:CT1, SA3, SA2

* Noted

PLMNs not allowed

[R2-2204450](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204450_C1-222096.doc) LS on introducing the list of PLMNs not allowed to operate at the present UE location (C1-222096; contact: CMCC) CT1 LS in Rel-17 5GSAT\_ARCH-CT To:RAN2

[R2-2205158](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205158%20Impact%20on%20Cell%20selection%20re-selection%20by%20the%20new%20PLMN%20list%20from%20CT1.docx) Impact on Cell selection/re-selection by the new PLMN list from CT1 CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205159](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205159%20draft%20Reply%20LS%20on%20introducing%20the%20list%20of%20PLMNs%20not%20allowed%20to%20operate%20at%20the%20present%20UE%20location.docx) draft Reply LS on introducing the list of PLMNs not allowed to operate at the present UE location CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1

[R2-2204509](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204509_C1-223045.docx) Emergency services and UE rejected with "PLMN not allowed to operate in the country of the UE’s location" (C1-223045; contact: OPPO)   CT1     LS in    Rel-17 5GSAT\_ARCH-CT      To:SA1, RAN2   Cc:SA2, SA3LI

Other

[R2-2204520](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204520_S2-2203242.docx) Reply LS on RAN Initiated Release due to out-of-PLMN area condition (S2-2203242; contact: Samsung) SA2 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN3 Cc:CT1, RAN2

* Noted (no RAN2 action)

NR satellite RAT type (moved from 6.10.1)

[R2-2205027](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205027%20Discussion%20on%20CT1%20LS%20about%20NR%20satellite%20RAT%20type%20in%20UE%20NAS.docx) Discussion on CT1 LS about NR satellite RAT type in UE NAS CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205028](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205028%20%5BDRAFT%5D%20Reply%20LS%20to%20CT1%20on%20NR%20satellite%20RAT%20type%20in%20UE%20NAS.docx) [DRAFT] Reply LS on NR satellite RAT type in UE NAS CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1 Cc:RAN3, SA2

#### 6.10.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

[R2-2204627](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204627_NR-NTN%20Stg2%20CR_v00.docx) Support of UE location in Non-Terrestrial Networks THALES draftCR Rel-17 38.300 17.0.0 NR\_NTN\_solutions

[R2-2204628](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204628%20SAN%20for%20NTN%20based%20NG-RAN.docx) SAN for NTN based NG-RAN THALES discussion Rel-17 38.300 NR\_NTN\_solutions

[R2-2205463](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205463.zip) Correction for NR NTN WI Ericsson CR Rel-17 38.331 17.0.0 3088 - F NR\_NTN\_solutions-Core Late

Moved from 6.10.1

[R2-2205448](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205448.zip) NTN ASN1 RIL list Ericsson discussion NR\_NTN\_solutions-Core Late

[R2-2206088](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206088.zip) Summary of NTN RIL resolutions pre118 Ericsson discussion NR\_NTN\_solutions-Core

* Discussed in offline 101

### 6.10.2 User Plane

#### 6.10.2.1 Known Corrections

Corrections/clarifications for already known issues, e.g. details of support for blind Msg3 retransmission, details of TA reporting during RA (e.g. on when to send TA report if RA triggered by upper layers), implementation of HARQ RTT Timer extension (coordination with RRC spec), UE behaviour upon validity timer expiry (confirmation of WA)

[R2-2204556](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204556%20Correction%20on%20the%20TAR%20triggers%20based%20on%20RRC%20procedure.docx) Corrections on the TAR triggers based on RRC procedures in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204557](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204557%20On%20corrections%20on%20random%20access%20procedure%20in%20NR%20NTN.docx) On corrections on random access procedure in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204558](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204558%20On%20the%20corrections%20to%20DRX%20procedure%20and%20Timing%20Advance%20reporting%20procedure%20in%20TS%2038.321.docx) On corrections to DRX procedure and TA reporting procedure in TS 38.321 vivo discussion NR\_NTN\_enh-Core

[R2-2204656](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2984_%28Rel-17%29_R2-2204656%20TA%20report%20trigger.docx) TA report trigger in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2984 - F NR\_NTN\_solutions-Core

[R2-2204657](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2985_%28Rel-17%29_R2-2204657%20NR%20NTN%20UL%20sync%20timer.docx) Handling the loss of UL synchronization Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2985 - F NR\_NTN\_solutions-Core

[R2-2204733](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204733%20-%20Discussion%20on%20ra-ContentionResolutionTimer%20in%20NTN.doc) Discussion on ra-ContentionResolutionTimer in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204734](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204734%20-%20left%20issue%20on%20TA%20report%20triggered%20SR.doc) left issue on TA report triggered SR OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204735](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204735%20-%20Further%20discussion%20on%20validity%20timer%20impacts%20in%20NTN.doc) Further discussion on validity timer impacts in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204748](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204748.docx) MAC operations about the validity timer expiry Spreadtrum Communications discussion Rel-17

[R2-2205134](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205134%20Corrections%20for%20TA%20report.docx) Corrections for TA report ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205135](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205135%20Discussion%20on%20TP%20for%20blind%20Msg3%20retransmission.docx) Discussion on TP for blind Msg3 retransmission ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205232](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205232%20UE%20Behavior%20upon%20Validity%20Timer%20Expiry.docx) UE Behavior upon Validity Timer Expiry CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205240](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205240_Discussion%20on%20remaining%20issues_v3.docx) Discussion on remaining issues LG Electronics Inc. discussion NR\_NTN\_solutions-Core

[R2-2205358](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205358%20Clarification%20on%20contention%20Resolution%20timer%20behavior.doc) Clarification on contention Resolution timer behavior ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205359](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205359%20Consideration%20on%20RTT%20timer%20extension%20implementation.doc) Consideration on RTT timer extension implementation ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205403](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205403%20Remaining%20issues%20related%20to%20NTN%20validity%20timer.doc) Remaining issues related to NTN validity timer Xiaomi discussion Rel-17

[R2-2205477](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205477%20Discussion%20on%20Contention%20Resolution%20timer%20expiry.DOC) Discussion on Contention Resolution timer expiry Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205478](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205478%20Further%20consideration%20on%20TA%20report%20MAC%20CE.DOC) Further consideration on TA report MAC CE Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205596](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205596%20Further%20consideration%20on%20TA%20report.doc) Further consideration on TA report ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205694](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205694_6.10.2.1_MAC.docx) Discussion on MAC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205702](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205702%20Consideration%20on%20validity%20timer%20related%20issues.doc) Consideration on validity timer related issues ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205720](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205720%20Discussion%20on%20user%20plane%20known%20issues%20for%20NR%20NTN.docx) Discussion on user plane known issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205721](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205721%20CR%20for%20Contention%20Resolution%20failure%2C%20SR%20and%20TA%20MAC%20CE%20report.docx) CR for Contention Resolution failure, SR and TA MAC CE report Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1284 - F NR\_NTN\_solutions-Core

[R2-2205954](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205954%20%28R17%20NTN%20WI%20AI%206.10.2.1%29%20HARQ%20Timer%20Extension.docx) HARQ RTT timer extention InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205955](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205955%20%28R17%20NTN%20WI%20AI%206.10.2.1%29%20TA%20Reporting.docx) TA Reporting during Random Access InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205956](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205956%20%28R17%20NTN%20WI%20AI%206.10.2.1%29%20validity%20timer%20expiry.docx) UE behaviour upon validity timer expiry InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205994](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205994%20-%20Known%20NR%20NTN%20user%20plane%20issues.docx) Known NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

* [AT118-e][104][NTN] UP corrections (Interdigital)

Initial scope: based on contributions in 6.10.2, discuss corrections for TA reporting, msg3 retx, Contention Resolution timer, validity timer expiry, HARQ RTT timer extension and other general UP corrections

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Monday 2022-05-09 2000 UTC

Deadline (for rapporteur's summary in R2-2206194): Monday 2022-05-09 2200 UTC

Proposals marked "for agreement" in R2-2206194 not challenged until Tuesday 2022-05-10 1000 UTC will be declared as agreed via email by the session chair (for the rest the discussion will continue online).

R2-2206194 [offline-104] UP corrections Interdigital discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.2.2 Other

Contributions on any other UP issues.

[R2-2204559](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204559%20Miscellaneous%20corrections%20on%20TS%2038.321%20for%20NR%20NTN.docx) Miscellaneous corrections on TS 38.321 for NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2205231](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205231%20The%20Modification%20of%20TA%20Reporting%20Triggering%20Condition.docx) The Modification of TA Reporting Triggering Condition CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205340](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205340.doc) CG enhancements in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core [R2-2200911](file:///C%3A%5CData%5C3GPP%5Carchive%5CRAN2%5CRAN2%23116bis%5CTdocs%5CR2-2200911.zip)

[R2-2205360](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205360%20Discussion%20on%20co-existence%20of%20Msg3%20repetition%20and%20NTN.doc) Discussion on co-existence of Msg3 repetition and NTN ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205722](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205722%20On%20other%20user%20plane%20issues%20for%20NR%20NTN.docx) On other user plane issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205995](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205995%20-%20Other%20NR%20NTN%20user%20plane%20issues.docx) Other NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205999](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205999_Correction%20to%20NR%20NTN%20epoch%20time%20definition.docx) Correction to NR NTN epoch time definition Sequans Communications discussion Rel-17 NR\_NTN\_solutions-Core

### 6.10.3 Control Plane

#### 6.10.3.1 Idle/inactive mode aspects

##### 6.10.3.1.1 Known Corrections

Corrections/clarifications for already known issues, e.g. location based cell reselection, access barring (UE behavior), SIBxx processing (details on UE operation)

[R2-2204563](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204563%20Remaining%20issue%20on%20access%20barring%20for%20NTN.docx) Remaining issue on access barring for NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204592](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204592%20Discussion%20on%20remaining%20issue%20of%20NTN%20idelinactive%20mode_Final.doc) Discussion on remaining issue of NTN idel/inactive mode Transsion Holdings discussion Rel-17

[R2-2204658](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2986_%28Rel-17%29_R2-2204658%20NTN%20TN%20barring.docx) TN NTN barring mechanism Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2986 - F NR\_NTN\_solutions-Core

[R2-2204709](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204709%20Discussion%20on%20location-based%20cell%20reselection%20in%20NTN.doc) Discussion on location-based cell reselection in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

Moved here from 6.10.3.1.2

[R2-2205029](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205029%20Discussion%20on%20cell%20reselection.docx) Discussion on cell reselection CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205094](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205094.docx) Remaining issue on idle/inactive mode ITL discussion Rel-17

[R2-2205236](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205236%20Further%20Discussion%20on%20Cell%20Reselection.docx) Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

[R2-2205237](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205237%20Discussion%20on%20the%20access%20barring%20in%20NTN.docx) Discussion on the access barring in NTN CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205302](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205302%20Discussion%20on%20access%20barring.doc) Discussion on access barring Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205371](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205371%20Discussion%20on%20remaining%20issues%20on%20RRC%20idle%20mode.doc) Discussion on remaining issues on RRC idle mode Xiaomi discussion

[R2-2205405](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205405%20Further%20Discussion%20on%20Cell%20Reselection.docx) Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205530](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205530%20Assistance%20information%20for%20UE-based%20SMTC%20adjustment%20in%20idle%20and%20inactive%20mode.docx) Assistance information for UE-based SMTC adjustment in idle and inactive mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205531](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205531%20Rel-17%20NTN%20corrections%20to%2038.304.docx) Rel-17 NTN corrections to 38.304 Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.0.0 0245 - F NR\_NTN\_solutions-Core

[R2-2205533](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205533.docx) Cell reselection with distance threshold Samsung discussion

[R2-2205571](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205571_Left%20over%20issues%20in%20idle%20and%20inactive%20mode%20in%20NTN_v0.docx) Left over issues in idle and inactive mode in NTN ZTE corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205573](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205573.docx) Reporting UE location to the Network in NTN Samsung R&D Institute UK discussion

[R2-2205691](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205691_SMTC4.docx) Adding SMTC4 for idle/inactive state Apple CR Rel-17 38.331 17.0.0 3114 - F NR\_NTN\_solutions-Core

[R2-2205740](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205740_%20Distance%20based%20cell%20reselection.docx) Distance based cell reselection NEC Telecom MODUS Ltd. discussion

[R2-2205753](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205753_NTN%20Access%20barring%20and%20UE%20behaviour.docx) NTN Access barring and UE behaviour NEC Telecom MODUS Ltd. discussion

[R2-2205865](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205865%20NR%20NTN%20Idle%20mode%20issues.docx) NR NTN idle mode issues Ericsson discussion NR\_NTN\_solutions-Core

[R2-2206029](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206029%20UE%20based%20SMTC%20adjustment.doc) UE based SMTC adjustment LG Electronics Inc. discussion Rel-17

Moved from 6.10.3

[R2-2205110](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205110%20Remaining%20issues%20on%20idle_inactive%20mode%20and%20RRC%20aspects_v0.1.DOCX) Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core Revised

[R2-2206035](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206035.zip) Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core [R2-2205110](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205110%20Remaining%20issues%20on%20idle_inactive%20mode%20and%20RRC%20aspects_v0.1.DOCX) Late

cell-specific k\_offset (moved here from 6.10.3.2.1)

[R2-2204714](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204714%20Discussion%20on%20neighbor%20cell%27s%20epoch%20time%20and%20Koffset%27s%20ambiguity%20issue.doc) Discussion on neighbour cell's epoch time and Koffset's ambiguity issue OPPO discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

[R2-2205650](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205650%20Cell-specific%20K_offset%20ambiguity.docx) Cell-specific K\_offset ambiguity Apple discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

SIB19 processing and updating aspects

Moved here from 6.10.3.2.1

[R2-2204749](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204749%20Discussion%20on%20SIB%20X%20acquiring%20procedure.doc) Discussion on SIB X acquiring procedure Spreadtrum Communications discussion Rel-17

* Discussed in offline 107

[R2-2205234](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205234%20Discussion%20on%20the%20parameters%20influencing%20SI%20modification%20proc....docx) Discussion on the parameters influencing SI modification procedure CATT discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

[R2-2205301](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205301%20Discussion%20on%20SIB19%20processing%20and%20updating.doc) Discussion on SIB19 processing and updating Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

Moved here from 6.10.3.1.2

[R2-2205303](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205303%20%5BH803%5D%20Discussion%20on%20on-demand%20SIB%20for%20NTN.doc) [H803] Discussion on on-demand SIB for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

[R2-2205528](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205528%20Resolving%20open%20NTN%20issues%20for%20IDLE%20mode.docx) Resolving open NTN issues for IDLE mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

Moved here from 6.10.3.2.1

[R2-2205651](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205651%20Epoch%20time%20and%20validity%20timer%20expiry.docx) Epoch time and validity timer expiry Apple discussion Rel-17 NR\_NTN\_solutions-Core

* Discussed in offline 107

[R2-2205696](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205696_6.10.3.1.1_SIB.docx) Open issues on acquiring SIB Samsung Research America discussion NR\_NTN\_solutions-Core

* Discussed in offline 107

Moved here from 6.10.3.2.2

[R2-2205700](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205700_6.10.3.2.2_epochTime.docx) RILs on epoch time Samsung Research America discussion NR\_NTN\_solutions-Core

* Discussed in offline 107

[R2-2205754](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205754_RIL%20H803%20TS38.300%20Clarification%20on%20SIB19%20Provisioning.docx) RIL# H803/TS38.300: Clarification on SIB19 Provisioning NEC Telecom MODUS Ltd. Discussion

* Discussed in offline 107
* [AT118-e][107][NTN] System information (Huawei)

Initial scope: discuss incoming LS in [R2-2204468](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204468_R1-2202843.docx) and a possible reply LS on cell-specific k\_offset ambiguity (considering [R2-2206041](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206041.zip), [R2-2204714](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204714%20Discussion%20on%20neighbor%20cell%27s%20epoch%20time%20and%20Koffset%27s%20ambiguity%20issue.doc), [R2-2205650](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205650%20Cell-specific%20K_offset%20ambiguity.docx)). Also discuss SIB19 processing and updating aspects (e.g. based on relevant proposals in [R2-2205234](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205234%20Discussion%20on%20the%20parameters%20influencing%20SI%20modification%20proc....docx), [R2-2205301](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205301%20Discussion%20on%20SIB19%20processing%20and%20updating.doc), [R2-2205528](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205528%20Resolving%20open%20NTN%20issues%20for%20IDLE%20mode.docx), [R2-2205696](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205696_6.10.3.1.1_SIB.docx), [R2-2205651](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205651%20Epoch%20time%20and%20validity%20timer%20expiry.docx), [R2-2204749](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204749%20Discussion%20on%20SIB%20X%20acquiring%20procedure.doc), [R2-2205700](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205700_6.10.3.2.2_epochTime.docx), [R2-2205303](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205303%20%5BH803%5D%20Discussion%20on%20on-demand%20SIB%20for%20NTN.doc) and [R2-2205754](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205754_RIL%20H803%20TS38.300%20Clarification%20on%20SIB19%20Provisioning.docx))

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204468](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204468_R1-2202843.docx)
* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206197): Tuesday 2022-05-10 1000 UTC

R2-2206197 [offline-107] System Information Huawei discussion Rel-17 NR\_NTN\_solutions-Core

##### 6.10.3.1.2 Other

Contributions on any other idle/inactive mode issues.

[R2-2205471](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205471.zip) RIL V313 and PLMN aspects Ericsson discussion NR\_NTN\_solutions-Core Late

* Discussed in offline 101

#### 6.10.3.2 RRC aspects

##### 6.10.3.2.1 Known Corrections

Corrections/clarifications for already known issues, e.g. RRC signaling for: HARQ RTT timer extension, assistance information (e.g., differential propagation delay) for SMTC configuration and neighbor cell satellite information; further details for measurement/location reports; CHO configuration after T2 expiry

[R2-2204560](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204560%20%5BV320%5D%20CGI%20reporting%20in%20R17%20NR%20NTN.docx) [V320] CGI reporting in R17 NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204561](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204561%20%5BV319%5D%5BV305%5D%5BV310%5D%20Remaining%20issues%20on%20signalling%20design%20and%20corresponding%20procedures%20for%20neighbor%20cell%20assistance%20information%20in%20NR%20NTN.docx) [V319][V305][V310] Remaining issues on signalling design and corresponding procedures for neighbour cell assistance information in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204562](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204562%20%5BV313%5D%20On%20the%20issue%20for%20RAN%20area%20code%20configuration%20in%20NR%20NTN.docx) [V313] On the issue for RAN area code configuration in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204659](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2987_%28Rel-17%29_R2-2204659%20CHO%20after%20T2.docx) Time-based CHO after T2 Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2987 - F NR\_NTN\_solutions-Core

[R2-2204660](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2988_%28Rel-17%29_R2-2204660%20IDLE%20mode%20info.docx) Assistance information for IDLE mode measurements in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2988 - F NR\_NTN\_solutions-Core

[R2-2204663](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204663%20SMTC%20and%20MG.doc) SMTC and MG configuration Qualcomm Incorporated discussion Rel-17 NR\_NTN\_solutions-Core [R2-2202564](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2202564%20SMTC%20and%20MG.doc)

[R2-2204713](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204713%20RTT%20timer%20extension.doc) Discussion on implementing HARQ RTT timer extension OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204715](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204715%20Discussion%20on%20assistance%20infomration%20for%20IDLE%20mode%20and%20CONNECTED%20mode%20measurement.doc) Discussion on assistance information for IDLE mode and CONNECTED mode measurement OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204717](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204717%20%5BO358%5D%20NTN%20RRC%20correction.docx) [O358] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204718](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204718%20%5BO355%5D%20NTN%20RRC%20correction.docx) [O355] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204719](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204719%20%5BO354%5D%20NTN%20RRC%20correction.docx) [O354] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204720](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204720%20%5BO350%5D%20NTN%20RRC%20correction.docx) [O350] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204750](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204750%20Acquiring%20the%20ephemeris%20of%20neighbour%20cell.doc) Acquiring the ephemeris of neighbour cell Spreadtrum Communications discussion Rel-17

[R2-2204963](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204963%20Remaining%20issues%20of%20provisioning%20neighbor%20cell%20satellite%20information.docx) Remaining issues of provisioning neighbor cell satellite information Lenovo discussion Rel-17

[R2-2204964](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204964%20Remaining%20details%20of%20UE%20assistance%20reporting%20and%20CHO.docx) Remaining details of UE assistance reporting and CHO Lenovo discussion Rel-17

[R2-2205224](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205224%20%5BX704%5D%20Correction%20for%20Event%20D1.docx) [X704] Correction for Event D1 Xiaomi Communications discussion Rel-17

[R2-2205225](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205225%20Remaining%20issues%20of%20NTN%20CHO.docx) Remaining issues of NTN CHO Xiaomi Communications discussion Rel-17

[R2-2205230](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205230%20Correction%20on%20HARQ%20RTT%20Timer%20extension%20in%20TS38.331.docx) Correction on HARQ RTT Timer extension in TS38.331 CATT draftCR Rel-17 38.331 17.0.0 NR\_NTN\_solutions-Core

[R2-2205233](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205233%20Discussion%20on%20Neighbor%20Cell%20Satellite%20Information.docx) Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

[R2-2205235](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205235%20Further%20Discussion%20on%20CHO.DOCX) Further Discussion on CHO CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205304](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205304%20Discussion%20on%20SMTC%20and%20gaps.doc) Discussion on SMTC and gaps Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205305](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205305%20Discussion%20on%20time/location%20based%20mobility.doc) Discussion on time/location based mobility Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205341](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205341.doc) CHO configuration after T2 expiry Sony discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205342](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205342.doc) Event triggered location reporting in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205372](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205372%20Assistance%20information%20for%20neighbour%20cell%20measurement.doc) Assistance information for neighbour cell measurement Xiaomi discussion

[R2-2205401](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205401%20Further%20details%20for%20coarse%20location%20report%20for%20NR%20NTN.doc) Further details for coarse location report for NR NTN Xiaomi discussion Rel-17

[R2-2205402](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205402%20Introducing%20NTN%20validity%20timer%20in%20RRC.doc) [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi discussion Rel-17

* Revised in [R2-2206057](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206057.zip)

[R2-2206057](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206057.zip) [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi, MediaTek discussion Rel-17

[R2-2205404](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205404%20Discussion%20on%20Neighbor%20Cell%20Satellite%20Information.docx) Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205436](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205436%20CHO%20configuration%20discarded%20or%20retained%20after%20T2%20expiry.docx) RIL: M404, V318, Z550 CHO configuration discarded or retained after T2 Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205438](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205438%20SMTC%20for%20RRC_IDLE%20and%20RRC_INACTIVE%20state%20in%20NR%20NTN.docx) SMTC for RRC\_IDLE and RRC\_INACTIVE state in NR NTN Ericsson discussion NR\_NTN\_solutions-Core

[R2-2205529](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205529%20Resolving%20open%20NTN%20issues%20for%20CONNECTED%20mode.docx) Resolving open NTN issues for CONNECTED mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205574](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205574%20Coarse%20location%20format.docx) Coarse location format Ericsson discussion NR\_NTN\_solutions-Core

[R2-2205589](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205589%20SMTC%20Offset%20and%20Change%20Rate.docx) SMTC Offset and Change Rate Google Inc. discussion Rel-17

[R2-2205697](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205697_6.10.3.2.1_CHO.docx) Discussion on CHO open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205698](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205698_6.10.3.2.1_SMTC.docx) Discussion on SMTC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205957](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205957%20%28R17%20NTN%20WI%20AI%206.10.3.2.1%29%20CHO%20config%20after%20T2.docx) Time-based CHO configuration after T2 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205958](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205958%20%28R17%20NTN%20WI%20AI%206.10.3.2.1%29%20TAR%20configuration.docx) Configuration of Timing Advance reporting in TS 38.331 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2206030](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206030%20Propagation%20delay%20difference%20reporting.doc) Propagation delay difference reporting LG Electronics Inc. discussion Rel-17 Late

[R2-2206090](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206090.zip) [O350][X601][L014][L015][M403]Correction on maintenance of validity timer Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3167 - F NR\_NTN\_solutions-Core

* [AT118-e][101][NTN] RRC CR (Ericsson)

Initial scope: continue the discussion on the NR NTN WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206191): Tuesday 2022-05-10 1000 UTC

R2-2206191 [offline-101] RRC CR Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

* [AT118-e][106][NTN] CP issues (Nokia)

Initial scope: based on contributions in 6.10.3, discuss CHO @ T2 expiry; assistance information for SMTC and neighbour cell information/ephemeris

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206196): Tuesday 2022-05-10 1000 UTC

R2-2206196 [offline-106] CP issues Nokia discussion Rel-17 NR\_NTN\_solutions-Core

##### 6.10.3.2.2 Other

Contributions on any other RRC issues.

[R2-2204661](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2989_%28Rel-17%29_R2-2204661%20Report%20SMTC%20error.docx) Reporting SMTC issue in measurement results Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2989 - F NR\_NTN\_solutions-Core

[R2-2204716](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204716%20connected%20mode%20measurement%20start.doc) Discussion on connected mode measurement start OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205030](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205030%20Discussion%20on%20SMTC%20and%20MG%20configuration%20for%20connected%20mode%20in%20NTN.docx) Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core Revised

[R2-2205226](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205226%20Discussion%20on%20performing%20measurements%20for%20NTN%20CHO.docx) Discussion on performing measurements for NTN CHO Xiaomi Communications discussion Rel-17

[R2-2205592](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205592%20NTN%20SIB19%20missing.docx) Essential system information missing for NTN Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205621](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205621%20%5BNTN%5D%20%5BL011%5D%20TP%20on%20MR%20triggered%20by%20event%20D1.docx) [L011] TP on MR triggered by event D1 LG Electronics France discussion

[R2-2205623](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205623%20%5BNTN%5D%20%5BL014%5D%20TP%20on%20Ul%20sync%20assist%20info%20validity.docx) [L014] TP on Ul sync assist info validity LG Electronics France discussion

[R2-2206036](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206036.zip) Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core [R2-2205030](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205030%20Discussion%20on%20SMTC%20and%20MG%20configuration%20for%20connected%20mode%20in%20NTN.docx) Late

[R2-2206068](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206068.zip) [H800] Discussion on condEventD1 Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2206069](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206069.zip) [H801] Corrections on eventD1 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3155 F NR\_NTN\_solutions-Core

[R2-2206112](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206112.zip) [H024] Adding a conditional presence to ntn-UlSyncValidityDuration Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3172 - F NR\_NTN\_solutions-Core

### 6.10.4 UE capabilities

#### 6.10.4.1 Known remaining issues

Corrections/clarifications for already known issues, e.g. structure, IoT bits, Fixed Dish type UE without GNSS module but with GNSS coordinates

[R2-2204662](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38331_CR2990_%28Rel-17%29_R2-2204662%20NTN%20UE%20capability.docx) NTN UE capability signalling Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2990 - F NR\_NTN\_solutions-Core

[R2-2204843](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204843%20Discussion%20on%20remaining%20issues%20on%20NTN%20UE%20capabilities.docx) Discussion on remaining issues on NTN UE capabilities Intel Corporation, THALES discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205306](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205306%20Discussion%20on%20UE%20capabilities%20for%20NTN.doc) Discussion on UE capabilities for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

Moved from 6.10.4

[R2-2205572](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205572.zip) On NTN capabilities Ericsson discussion NR\_NTN\_solutions-Core Late

[R2-2205593](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205593%20NTN-only%20UE.docx) NTN-only UE Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205701](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205701_6.10.4.1_UEcapability.docx) Open issues on UE capabilities Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

* [AT118-e][108][NTN] UE capabilities (Intel)

Initial scope: discuss UE capabilities based on contributions in 6.10.4

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206198): Tuesday 2022-05-10 1000 UTC

R2-2206198 [offline-108] UE capabilities Intel discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.4.2 Other

Contributions on any other issues.

[R2-2204842](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204842%20Clarification%20on%20TA%20reporting%20UE%20capability.docx) Clarification on TA reporting UE capability Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_NTN\_solutions-Core

## 8.12 Reduced Capability

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: [RP-211574](file:///C%3A%5CData%5C3GPP%5Carchive%5CRAN%5CRAN%2392%5CTdocs%5CRP-211574.zip))

WI is considered as 100% complete from RAN2 perspective. Exception Sheet in RP-220965 contains RAN4 items.

Tdoc Limitation: 5 tdocs

### 6.12.1 Organizational

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

#### 6.12.1.1 LS in

For LSes that need action: one tdoc by contact company to address the LS and potential reply is considered.

Rapporteur input may be provided.

NCD-SSB

[R2-2204486](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204486_R4-2207104.docx) LS on NCD-SSB issues for RedCap UE (R4-2207104; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

* Discussed in offline 105

[R2-2206019](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206019%20-%20%5BDRAFT%5D%20Reply%20LS%20on%20NCD-SSB%20issues%20for%20RedCap%20UE.docx) [DRAFT] Reply LS on NCD-SSB issues for RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

* Discussed in offline 105

RRM relaxation

[R2-2204487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204487_R4-2207109.doc) LS on RRM relaxation for Redcap (R4-2207109; contact: vivo) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

* Discussed in offline 109

[R2-2204620](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204620%20Discussion%20on%20RAN4%20LS%20on%20RRM%20Relaxation%20for%20RedCap.docx) Discussion on RAN4 LS on RRM Relaxation for RedCap Futurewei Technologies, Xiaomi Communications, OPPO, Vivo, Ericsson, Qualcomm discussion Rel-17 NR\_redcap-Core

* Discussed in offline 109

[R2-2204810](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204810_%5BDraft%5D%20Reply%20LS%20to%20RAN4%20on%20RRM%20relaxation.doc) [Draft] Reply LS to RAN4 on RRM relaxation vivo LS out Rel-17 NR\_redcap-Core To:RAN4

* Discussed in offline 109

FR2

[R2-2204502](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204502_R4-2206545.doc) LS on FR2 RedCap UE (R4-2206545; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

* Discussed in offline 110

[R2-2204619](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204619%20Discussion%20on%20RAN4%20LS%20on%20FR2%20RedCap%20UE.docx) Discussion on RAN4 LS on FR2 RedCap UE Futurewei Technologies discussion Rel-17 38.306 NR\_redcap-Core

* Discussed in offline 110

[R2-2206020](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206020%20-%20%5BDRAFT%5D%20Reply%20LS%20on%20%20FR2%20RedCap%20UE.docx) [DRAFT] Reply LS on FR2 RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4 Cc:RAN1

* Discussed in offline 110

RSRP threshold offset for 1Rx UE

[R2-2204475](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204475_R4-2206951.docx) LS on configuring margin for 1 Rx RedCap UEs (R4-2206951; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2206018](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206018%20-%20%5BDRAFT%5D%20Reply%20LS%20on%20configuring%20margin%20for%201%20Rx%20RedCap%20UEs.docx) [DRAFT] Reply LS on configuring margin for 1 Rx RedCap UEs Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

Coordination between gNBs

[R2-2204410](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204410_R3-221396.docx) LS reply on the coordination between gNBs supporting RedCap UEs (R3-221396; contact: Ericsson) RAN3 LS in Rel-17 NR\_redcap-Core To:RAN2

Operation with and without SSB

[R2-2204422](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204422_R1-2202886.docx) LS on operation with and without SSB for RedCap UE (R1-2202886; contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core To:RAN2, RAN4

UE capabilities from RRM perspective

[R2-2204476](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204476_R4-2206977.docx) Reply LS on UE capabilities for RedCap from RRM perspective (R4-2206977; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

#### 6.12.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

[R2-2204811](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38.321_CR1238_%28Rel-17%29_R2-2204811_Miscellaneous%20CR%20on%20TS%2038.321%20for%20RedCap.docx) Miscellaneous CR on TS 38.321 for RedCap vivo CR Rel-17 38.321 17.0.0 1238 - F NR\_redcap-Core

[R2-2205784](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205784%20-%20RedCap%20corrections%20in%20TS%2038300.docx) Corrections on RedCap in TS 38.300 Nokia, Nokia Shanghai Bell, Huawei CR Rel-17 38.300 17.0.0 0464 - F NR\_redcap-Core

[R2-2206021](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206021.zip) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.331 17.0.0 3151 - F NR\_redcap-Core Late

[R2-2206022](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206022.zip) RedCap WI ASN1 RIL list Ericsson discussion Rel-17 NR\_redcap-Core Late

* Discussed in offline 102

[R2-2206023](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206023%20-%20Miscellaneous%20corrections%20for%20RedCap%20WI%20-%20TS%2038.304.docx) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.304 17.0.0 0252 - F NR\_redcap-Core

### 6.12.2 Control Plane

#### 6.12.2.1 NCD-SSB aspects

Corrections/clarifications on NCD-SSB aspects

[R2-2204544](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204544%20Handover%20to%20BWP%20without%20CD-SSB.docx) Handover to BWP without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2204547](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204547%20Discussion%20on%20serving%20cell%20measurements%20on%20NCD-SSB.docx) Discussion on serving cell measurements on NCD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2204812](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204812_Discussion%20on%20NCD-SSB%20for%20RedCap%20UEs.docx) Discussion on NCD-SSB for RedCap UEs vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2205038](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205038%20Discussion%20on%20NCD-SSB%20aspects%20for%20RedCap%20UE.DOC) Discussion on NCD-SSB aspects for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205285](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205285%20%5BJ002%5D%20Clarification%20on%20reference%20value%20in%20connected%20RRM%20relaxation%20critrion.doc) [J002] Clarification on reference value in connected RRM relaxation critrion Sharp discussion Rel-17

[R2-2205522](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205522%20Aspects%20related%20to%20use%20of%20NCD-SSB.docx) Aspects related to the use of NCD-SSB MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2205636](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205636_ncd-ssb_handover.docx) Discussion on NCD-SSB handling at handover Apple discussion Rel-17 NR\_redcap-Core

[R2-2205771](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205771.zip) About paging monitoring in BWP#0 without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core Late

[R2-2206143](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206143.zip) [Pre118-e][105][RedCap] Summary of AI 6.12.2.1 on NCD-SSB aspects ZTE Corporation report Rel-17 NR\_redcap-Core

* Discussed in offline 105
* [AT118-e][105][RedCap] NCD-SSB aspects (ZTE)

Initial scope: Continue the discussion on NCD-SSB aspects, based on [R2-2206143](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206143.zip), including a possible reply LS to [R2-2204486](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204486_R4-2207104.docx)

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204486](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204486_R4-2207104.docx)
* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206195): Tuesday 2022-05-10 1000 UTC

R2-2206195 [offline-105] NCD-SSB aspects ZTE Corporation discussion Rel-17 NR\_redcap-Core

BWP operation without bandwidth restriction and NCD SSB support for all UEs

[R2-2205512](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205512.docx) Discussion on BWP operation without bandwidth restriction and NCD SSB Vodafone GmbH, Deutsche Telekom, Qualcomm discussion Rel-17

* To be discussed in Wednesday 2022-05-18 GTW session

#### 6.12.2.2 Other CP aspects

##### 6.12.2.2.1 Known Corrections

Corrections/clarifications for already known issues (non NCD-SSB related), eg. inter-RAT mobility from LTE to NR, capability for support for Rx branches inclusion in the UERadioPagingInformation inter-node message

[R2-2204723](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204723%20RedCap%20HO.doc) Discussion on inter-RAT mobility from LTE to NR OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204724](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204724%20RedCap%20Capability%20in%20inter-node%20message.doc) Discussion on including RedCap UE’s capability in the UERadioPagingInformation inter-node message OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204725](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204725%20%5BO374%5D%20RedCap%20IFRI.docx) [O374] correction on RedCap UE’s cell barring OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

[R2-2204813](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204813_%5BV166%5D%20Including%20RedCap%20Capability%20in%20the%20UERadioPagingInformation%20Inter-Node%20Message.doc) [V166] Including RedCap Capability in the UERadioPagingInformation Inter-Node Message vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204814](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204814_%5BV170%5D%20Discussion%20on%20Inter-RAT%20Mobility%20from%20LTE%20to%20NR%20for%20RedCap.doc) [V170] Discussion on Inter-RAT Mobility from LTE to NR for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204929](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204929_RRC%20open%20issues%20on%20Rel17%20RedCap%20WI.docx) RRC open issues on Rel17 RedCap WI Intel Corporation discussion Rel-17 NR\_redcap

[R2-2205036](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205036%20Inter-RAT%20mobility%20from%20LTE%20to%20NR_v1.doc) Inter-RAT mobility from LTE to NR Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205037](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205037%20Paging%20capability%20and%20cell%20selection%20related%20to%20R4%20LS.docx) Paging capability and cell selection related to R4 LS Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

R2-2205047 Correction on the DRX cycle of the UE for eDRX NEC CR Rel-17 38.321 17.0.0 1249 - F NR\_redcap-Core Withdrawn

[R2-2205150](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205150_Correction%20on%20DRX%20cycle%20of%20the%20UE%20for%20eDRX.docx) Correction on DRX cycle of the UE for eDRX NEC CR Rel-17 38.304 17.0.0 0243 - F NR\_redcap-Core

[R2-2205770](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205770%20Consideration%20on%20RedCap%20access%20indication.docx) Consideration on RedCap access indication ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2205904](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205904%20-%20RedCap%20eNB%20to%20gNB%20handover.docx) Handover from E-UTRA from legacy eNB to legacy gNB Ericsson discussion Rel-17 NR\_redcap

[R2-2206032](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206032%20Further%20discussion%20on%20SI%20acqusition%20in%20RedCap-specific%20BWP.docx) Further discussion on SI acquisition in RedCap-specific BWP Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

[R2-2206033](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206033%20Measurement%20object%20configuration%20with%20NCD-SSB.docx) Measurement object configuration with NCD-SSB Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

[R2-2206059](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206059.zip) [X115]38.331 Corrections on UE's behaviour of getting SIB1 for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

[R2-2206060](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206060.zip) [X119][X114]Discussion on PDCCH-ConfigCommon for Redcap Xiaomi Communications discussion

[R2-2206061](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206061.zip) [X119][X114]38.331 Corrections on PDCCH-ConfigCommon for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

[R2-2206062](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206062.zip) [X120]38.331 Corrections on Need code of RedCap-specific initial DL BWP for handover Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

* [AT118-e][102][RedCap] RRC CR (Ericsson)

Initial scope: continue the discussion on the RedCap WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Wednesday 2022-05-11 2000 UTC

Deadline (for rapporteur's summary in R2-2206192): Wednesday 2022-05-11 2200 UTC

R2-2206192 [offline-102] RRC CR Ericsson discussion Rel-17 NR\_redcap-Core

RRM relaxation

[R2-2204736](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204736%20-%20%5BO372%5D%20Discussion%20on%20prohibit%20timer%20for%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc) [O372] Discussion on prohibit timer for UAI for RRM relaxation fulfilment indication OPPO discussion Rel-17 NR\_redcap-Core

* Discussed in offline 105

[R2-2204737](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204737%20-%20%5BO377%5D%20Correction%20to%2038.331%20on%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc) [O377] Correction to 38.331 on UAI for RRM relaxation fulfilment indication OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

* Discussed in offline 105

All following docs moved here from 6.12.2.2.2

[R2-2204815](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204815_Coexistence%20of%20Rel-16%20and%20Rel-17%20RRM%20Relaxation%20Criteria.docx) Coexistence of Rel-16 and Rel-17 RRM relaxation criteria vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

* Discussed in offline 105

[R2-2205089](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205089.doc) Co-existence of Rel-16 and Rel-17 RRM relaxation Samsung discussion Rel-17

* Discussed in offline 105

[R2-2205091](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205091.docx) Correction on RRM relaxation in RRC\_CONNECTED (RIL#:951) Samsung CR Rel-17 38.331 17.0.0 3045 - F NR\_redcap-Core

* Discussed in offline 105

[R2-2205284](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205284%20%5BJ001%5D%20Correction%20on%20Srxlev%20in%20connected%20RRM%20relaxation%20critrion.doc) [J001] Correction on Srxlev in connected RRM relaxation critrion Sharp, Huawei, HiSilicon discussion Rel-17

* Discussed in offline 105
* [AT118-e][109][RedCap] RRM relaxation (vivo)

Initial scope: discuss incoming LS in [R2-2204487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204487_R4-2207109.doc) and the need/content of a possible reply LS (also considering [R2-2204620](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204620%20Discussion%20on%20RAN4%20LS%20on%20RRM%20Relaxation%20for%20RedCap.docx)). Also discuss corrections for RRM relaxation based on [R2-2204736](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204736%20-%20%5BO372%5D%20Discussion%20on%20prohibit%20timer%20for%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc), [R2-2204737](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204737%20-%20%5BO377%5D%20Correction%20to%2038.331%20on%20UAI%20for%20RRM%20relaxation%20fulfilment%20indication.doc), [R2-2204815](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204815_Coexistence%20of%20Rel-16%20and%20Rel-17%20RRM%20Relaxation%20Criteria.docx), [R2-2205089](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205089.doc), [R2-2205091](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205091.docx), [R2-2205284](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205284%20%5BJ001%5D%20Correction%20on%20Srxlev%20in%20connected%20RRM%20relaxation%20critrion.doc).

Initial intended outcome: Summary of the offline discussion with e.g.:

* Text/proposals for a possible reply LS to [R2-2204487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204487_R4-2207109.doc) (if needed)
* List of proposals/CRs for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Tuesday 2022-05-10 0800 UTC

Deadline (for rapporteur's summary in R2-2206199): Tuesday 2022-05-10 1000 UTC

R2-2206199 [offline-109] RRM relaxation vivo discussion Rel-17 NR\_redcap-Core

##### 6.12.2.2.2 Other

Contributions on any other CP issues.

[R2-2204541](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204541_SI%20Request%20for%20Redcap%20UEs%20%28RIL%20%23S953%29.doc) [S953] SI Request for RedCap UEs Samsung Electronics Co., Ltd discussion Rel-17 NR\_redcap-Core

[R2-2204816](file:///C%3A%5CData%5C3GPP%5CExtracts%5C38.300_CR0446_%28Rel-17%29_R2-2204816_Correction%20on%20RLM%20for%20RedCap.docx) Correction on RLM for RedCap vivo, Guangdong Genius CR Rel-17 38.300 17.0.0 0446 - F NR\_redcap-Core

[R2-2204819](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204819_UE%20Capability%20and%20System%20Information%20for%20eDRX.doc) UE Capability and System Information for eDRX vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204928](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204928_38.304_draftCR_eDRX.docx) Draft 38.304 CR for the eDRX handling Intel Corporation draftCR Rel-17 38.304 17.0.0 F NR\_redcap

[R2-2204936](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204936%20-%20I051%20support%20of%20RedCap%20based%20on%20intraFreqReselectionRedCap.docx) I051 support of RedCap based on intraFreqReselectionRedCap Intel Corporation discussion Rel-17 NR\_redcap

[R2-2204979](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204979.docx) Cell reselection priority for RedCap (RIL#: S952) Samsung discussion Rel-17 NR\_redcap-Core

[R2-2205039](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205039%20%5BDraft%5D%20LS%20on%20the%20maximum%20PTW%20length%20of%20IDLE%20eDRX.DOCX) [Draft] LS on the maximum PTW length of IDLE eDRX Huawei, HiSilicon LS out To:RAN3, CT1

[R2-2205090](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205090.docx) Corrections on eDRX Samsung CR Rel-17 38.304 17.0.0 0242 - F NR\_redcap-Core

[R2-2205337](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205337%20Other%20CP%20aspects%20for%20DRX%20cycle.docx) Other CP aspects for DRX cycle LG Electronics Finland discussion NR\_redcap-Core

[R2-2205523](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205523%20SIB%20validity%20with%20eDRX.docx) SIB validity with eDRX MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2205613](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205613_38.304%20%20Corrections%20on%20Redcap%20UE%27s%20behavior%20on%20cellbar.docx) 38.304 Corrections on Redcap UE's behavior on cellbar Xiaomi Communications,Huawei, HiSilicon draftCR Rel-17 38.304 17.0.0 NR\_redcap-Core

[R2-2205769](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205769%20Corrections%20on%20eDRX.docx) Corrections on eDRX ZTE Corporation, Sanechips draftCR Rel-17 38.304 17.0.0 F NR\_redcap-Core

[R2-2205783](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205783%20Miscellaneous%20RedCap%20corrections%20in%2038.331.docx) Miscellaneous RedCap corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3117 - F NR\_redcap-Core

[R2-2205785](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205785%20HD-FDD%20support%20in%20system%20information%20for%20RedCap.docx) HD-FDD RedCap support in system information Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2205786](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205786%20RSRP%20thresholds%20for%20RedCap.docx) RSRP thresholds for 1 Rx RedCap Ues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2206024](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206024%20-%20Configuring%20margin%20for%201%20Rx%20RedCap%20UEs.docx) Configuring margin for 1 Rx RedCap UEs Ericsson discussion Rel-17 NR\_redcap-Core

[R2-2206080](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206080.zip) [H507] Corrections on cell re-selection measurements during RRC setup/resume Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3161 F NR\_redcap-Core

[R2-2206081](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206081.zip) [H511] Corrections on redcapAccessRejected Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3162 F NR\_redcap-Core

[R2-2206082](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2206082.zip) [H513 H516 H520 H524 H525 H526 H527] Corrections on RedCap initial BWP Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3163 F NR\_redcap-Core

### 6.12.3 User Plane

#### 6.12.3.1 MAC aspects

[R2-2204817](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204817_Discussion%20on%20MAC%20aspects%20for%20RedCap.doc) Discussion on MAC aspects for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2205040](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205040%20Discussion%20on%20MAC%20RACH%20related%20issues%20for%20RedCap%20UE.DOCX) Discussion on MAC RACH related issues for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205487](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205487%20Corrections%20on%20BWP%20operation%20for%20RedCap%20UE.docx) Corrections on BWP operation for RedCap UE LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

### 6.12.4 UE capabilities

#### 6.12.4.1 Known remaining issues

Corrections/clarifications for already known issues, e.g. those not concluded in the discussion for [R2-2203563](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2203563%20_Report%20of%20AT117-107-2nd-v17_Summary2.docx).

[R2-2204738](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204738%20-%20Clarification%20on%20HD-FDD%20support%20for%20RedCap.doc) Clarification on HD-FDD support for RedCap OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204818](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204818_Discussion%20on%20capability%20for%20RedCap.doc) Discussion on capability for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204925](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204925%20_Open%20issues%20on%20RedCap%20capabilities.docx) Open issues on RedCap capabilities Intel Corporation discussion Rel-17 NR\_redcap

[R2-2204926](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204926-%20Draft%2038.306%20CR%20for%20the%20RedCap%20capablities.docx) Draft 38.306 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_redcap

[R2-2204927](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204927-%20Draft%2038.331%20CR%20for%20the%20RedCap%20capablities.docx) Draft 38.331 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.331 17.0.0 F NR\_redcap

Moved here from 6.12.2.2.2

[R2-2205637](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205637-RedCap-PC7-331.docx) RedCap UE power class 7 signaling Apple CR Rel-17 38.331 17.0.0 3107 - F NR\_redcap-Core

[R2-2205638](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205638-RedCap-PC7-306.docx) RedCap UE power class 7 signaling Apple CR Rel-17 38.306 17.0.0 0724 - F NR\_redcap-Core

[R2-2205787](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205787%20UE%20capabilities%20for%20RedCap.docx) On RedCap UE capabilities Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2206025](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206025%20-%20Introduction%20of%20FR2%20RedCap%20UE%20-%20TS%2038.304.docx) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.304 17.0.0 0253 - F NR\_redcap-Core

[R2-2206026](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206026%20-%20Introduction%20of%20FR2%20RedCap%20UE%20-%20TS%2038.306.docx) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.306 17.0.0 0739 - F NR\_redcap-Core

[R2-2206027](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206027%20-%20Introduction%20of%20FR2%20RedCap%20UE%20-%20TS%2038.331.docx) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.331 17.0.0 3152 - F NR\_redcap-Core

* [AT118-e][110][RedCap] UE capabilities (Intel)

Initial scope: discuss incoming LSs on UE capabilities and other UE capabilities aspects based on contributions in 6.12.4 (and in other AIs, e.g. [R2-2204619](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204619%20Discussion%20on%20RAN4%20LS%20on%20FR2%20RedCap%20UE.docx), [R2-2205637](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205637-RedCap-PC7-331.docx), [R2-2205638](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205638-RedCap-PC7-306.docx))

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of proposals for agreement (if any)
* List of proposals that require online discussions
* List of proposals that should not be pursued (if any)

Deadline (for companies' feedback): Wednesday 2022-05-11 1400 UTC

Deadline (for rapporteur's summary in R2-2206200): Wednesday 2022-05-11 1500 UTC

Proposals marked "for agreement" in R2-2206200 not challenged until Thursday 2022-05-12 0300 UTC will be declared as agreed via email by the session chair (for the rest the discussion will continue online).

R2-2206200 [offline-110] UE capabilities Intel discussion Rel-17 NR\_redcap-Core

#### 6.12.4.2 Other

Contributions on any other issues.

## 8.19 Coverage Enhancements

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: [RP-211566](file:///C%3A%5CData%5C3GPP%5Carchive%5CRAN%5CRAN%2392%5CTdocs%5CRP-211566.zip))

WI has been declared 100% complete

Tdoc Limitation: 2 tdoc

Common aspects related to RACH indication (in MSG1) / RACH partitioning shall be submitted to 6.18

### 6.19.1 Organizational

Rapporteur input, incoming LS etc.

#### 6.19.1.1 LS in

For LSes that need action: one tdoc by contact company to address the LS and potential reply is considered.

Rapporteur input may be provided.

[R2-2204444](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204444_R4-2206537.docx) Reply LS on Maximum duration for DMRS bundling (R4-2206537; contact: Qualcomm) RAN4 LS in Rel-17 NR\_cov\_enh To:RAN1, RAN2

[R2-2204463](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204463_R1-2202829.docx) Reply LS on UL BWP with PRACH resources only for RACH with Msg3 repetition (R1-2202829; contact: ZTE) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2204469](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204469_R1-2202867.doc) Reply LS on Stage 2 description for Coverage Enhancements (R1-2202867; contact: China Telecom) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2204505](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204505_R4-2206580.docx) Reply LS on Length of Maximum duration (R4-2206580; contact: China Telecom) RAN4 LS in Rel-17 NR\_cov\_enh-Core To:RAN1, RAN2

#### 6.19.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

Moved here from 6.19.1

[R2-2205069](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205069.zip) Report of [Pre118-e][103][CovEnh] 38331 CR and rapporteur resolutions (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core Late

* Discussed in offline 103

[R2-2205070](file:///C%3A%5CData%5C3GPP%5CRAN2%5CDocs%5CR2-2205070.zip) Correction for NR coverage enhancements (CR rapporteur) Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3039 - F NR\_cov\_enh-Core Late

### 6.19.2 General

All aspects, including possible corrections/TPs for the running CRs.

[R2-2204726](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204726%20stage-2%20correction.docx) Stage-2 correction on CE OPPO CR Rel-17 38.300 17.0.0 0443 - F NR\_cov\_enh-Core

[R2-2204739](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204739%20-%20Correction%20to%2038.321%20on%20redundancy%20version%20for%20Msg3%20repetition.doc) Correction to 38.321 on redundancy version for Msg3 repetition OPPO CR Rel-17 38.321 17.0.0 1227 - F NR\_cov\_enh-Core

[R2-2204837](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2204837%20Discussion%20on%20CFRA%20PUSCH%20with%20Repetition.docx) Discussion on CFRA PUSCH with Repetition vivo discussion Rel-17 NR\_cov\_enh-Core [R2-2202981](file:///C%3A%5CData%5C3GPP%5Carchive%5CRAN2%5CRAN2%23117%5CTdocs%5CR2-2202981.zip)

[R2-2205067](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205067%20Clarification%20on%20Msg3%20repetition%20RV%20determination%20to%20MAC%20spec.doc) Clarification on Msg3 repetition RV determination to MAC spec Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1251 - F NR\_cov\_enh-Core

[R2-2205068](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205068%20Discussion%20on%20the%20leftover%20issues%20for%20CE-specific%20RACH.DOCX) Discussion on the leftover issues for CE-specific RACH Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core

[R2-2205841](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205841%20CE%20RACH%20only%20BWP%20handling.docx) CE RACH only BWP handling Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1289 - F NR\_cov\_enh-Core

[R2-2205842](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205842%20Corrections%20on%20MSG3%20repetition.docx) Corrections on MSG3 repetition Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0467 - F NR\_cov\_enh-Core

[R2-2205851](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205851%20Further%20issues%20on%20coverage%20enhancements.docx) Further issues on coverage enhancements Ericsson discussion NR\_cov\_enh

[R2-2205852](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2205852%20On%20CFRA%20Msg3%20repetition.docx) On CFRA Msg3 repetitions Ericsson discussion NR\_cov\_enh

[R2-2206034](file:///C%3A%5CData%5C3GPP%5CExtracts%5CR2-2206034%20On%20BWP%20configured%20with%20RACH%20resources%20only%20for%20Msg3%20repetition.docx) On BWP configured with RACH resources only for Msg3 repetition Qualcomm Incorporated discussion Rel-17 NR\_cov\_enh-Core

* [AT118-e][103][CovEnh] RRC CR (Huawei)

Initial scope: continue the discussion on the CovEnh WI-specific RILs, also considering the submitted contributions

Initial intended outcome: Summary of the offline discussion with e.g.:

* List of resolved RILs
* List of RILs for online discussion
* List of RILs for further offline discussion

Deadline (for companies' feedback): Thursday 2022-05-12 0000 UTC

Deadline (for rapporteur's summary in R2-2206193): Thursday 2022-05-12 0200 UTC

R2-2206193 [offline-103] RRC CR Huawei discussion Rel-17 NR\_cov\_enh

## Summary

Agreed CRs

Approved LSs out

[POST118-e] Email discussions

Short

Long