3GPP TSG-RAN WG2 Meeting #119 electronic [R2-2208703](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208703.zip)

Online, August, 2022

Source: Session Chair (InterDigital)

Title: Report for Rel-17 Small data and URLLC/IIoT

**Email discussions:**

* [AT119-e][300] Organizational Diana – URLLC/IIoT, Small data]

Scope:

* + - Share plans for the meetings and list of ongoing email discussions for the sessions related to URLLC/IIoT, Small data and NR-U, 2-step RACH, and power saving
    - Share meetings notes and agreements for review and endorsement
* [AT119-e][301][Sdata] CP Open issues and CR to 38.331 (ZTE)

CP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur aiming to have company inputs and proposals by Friday

* [AT119-e][302][Sdata] UP open issues and CR to 38.321 (Huawei)

UP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur aiming to have company inputs and proposals by Friday

* [AT119-e][303][Sdata] CR 38.300 (Nokia)

CR capturing agreed corrections

Deadline:

* [AT119-e][304][IIoT] CR 38.300 (Nokia)

CR capturing agreed corrections

Deadline:

* [AT119-e][305][IIoT] CP open issues and CR 38.331 (Ericsson)

CP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur

* [AT119-e][306][IIoT] UP open issues and CR 38.321 (Samsung)

UP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur

* [AT119-e][307][RA Part] CP open issues and CR 38.331 (Ericsson)

CP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur

* [AT119-e][308][RA Part] UP open issues and CR 38.321 (ZTE)

UP open issues and CR capturing agreed corrections

Deadline: To be set by rapporteur

* [AT119-e][309][R15/16 UP] CRs on UP (Nokia)

UP open issues and agreable CRs capturing agreed corrections

Deadline: To be set by rapporteur

* [AT119-e][310][R18 Others - Low Latency] LS on Low latency (Huawei)

Discuss LS response on Low latency

Deadline: To be set by rapporteur

* [AT119-e][311][SDT-Positioning] Config Transfer (Google)

Discuss LS response on Low latency

Deadline: To be set by rapporteur

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 11 tdocs in total for all sub agenda items.

### 5.1.2 User Plane corrections

User Plane corrections will be handled in a break out session

#### 5.1.2.1 MAC

[R2-2208008](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208008.zip) SPS HARQ feedback dropping for TDD Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core

Straight to email discussion 309

[R2-2207896](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207896.zip) Clarification on BFD while SCell is deactivated Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1347 - F NR\_eMIMO-Core

[R2-2207897](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207897.zip) Clarification on BFD while SCell is deactivated Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1348 - A NR\_eMIMO-Core

[R2-2207898](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207898.zip) Clarification on the matching TB size for 2-step RA Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1349 - F NR\_2step\_RACH-Core

[R2-2207899](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207899.zip) Clarification on the matching TB size for 2-step RA Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1350 - A NR\_2step\_RACH-Core

[R2-2208009](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208009.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-15 38.321 15.13.0 1358 - F NR\_newRAT-Core

[R2-2208010](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208010.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1359 - A NR\_newRAT-Core

[R2-2208011](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208011.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1360 - A NR\_newRAT-Core

[R2-2208024](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208024.zip) Clarification on configuredGrantTimer and cg-RetransmissionTimer Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1362 - F TEI16, NR\_unlic-Core

[R2-2208025](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208025.zip) Clarification on configuredGrantTimer and cg-RetransmissionTimer Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1363 - A TEI16, NR\_unlic-Core, NR\_SmallData\_INACTIVE-Core

[R2-2208254](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208254.zip) Correction on RA Resource Selection in Rel-15 vivo CR Rel-15 38.321 15.13.0 1373 - F NR\_newRAT-Core

[R2-2208261](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208261.zip) Correction on RA Resource Selection in Rel-16 vivo CR Rel-16 38.321 16.9.0 1375 - F NR\_newRAT-Core, NR\_2step\_RACH-Core

[R2-2208263](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208263.zip) Correction on RA Resource Selection in Rel-17 vivo CR Rel-17 38.321 17.1.0 1376 - A NR\_newRAT-Core, NR\_2step\_RACH-Core

#### 5.1.2.2 RLC PDCP SDAP BAP

[R2-2206980](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206980.zip) Retransmission SDU choice under double-no condition When T-PollRetransmit expiration PML discussion

=> Revised in [R2-2208689](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208689.zip)

[R2-2208689](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208689.zip) Correction on RLC retransmission SDU choice when T-PollRetransmit expiration Purple Mountain Laboratories discussion

#### 5.1.2.3 Other

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

## 6.5 NR IIoT URLLC

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

Tdoc Limitation: 3 tdocs

### 6.5.1 Organizational

Including LSs, rapporteur correction CR, and any rapporteur inputs (e.g. from ASN.1 ad-hoc meeting).

[R2-2206922](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206922.zip) LS on Rel-17 URLLC/IIoT RRC parameter updates (R1-2205507; contact: Nokia) RAN1 LS in Rel-17 NR\_IIOT\_URLLC\_enh To:RAN2

[R2-2208012](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208012.zip) Correction on PUCCH sSCell for TDD Nokia, Nokia Shanghai Bell, Ericsson, Qualcomm, Samsung, ZTE Corporation CR Rel-17 38.300 17.1.0 0524 - F NR\_IIOT\_URLLC\_enh-Core

### 6.5.2 Control Plane

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

[R2-2208060](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208060.zip) Correction to the field description of usage-pdc Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3351 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2208556](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208556.zip) CR on 38.331 for field description of PUCCH-Config for PUCCH Carrier Switch ZTE Corporation,Sanechips, Nokia, Nokia Shanghai Bell, Ericsson, Samsung, Qualcomm CR Rel-17 38.331 17.1.0 3440 - F NR\_IIOT\_URLLC\_enh-Core

### 6.5.3 User Plane

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

To be allocated [R2-2208901](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208901.zip) –[R2-2208910](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208910.zip)

[R2-2208901](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208901.zip) UP Issue summary LG

* Treat P1 and P2 online – rest continue offline

[R2-2207432](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207432.zip) Discussion on MAC layer operation at PUSCH cancellation Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2207433](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207433.zip) Draft CR for MAC layer operation at PUSCH cancellation Apple, Ericsson CR Rel-17 38.321 17.1.0 1316 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2207506](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207506.zip) Consideration on CG-PUSCH cancellation for UCI -only case CATT discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2207507](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207507.zip) Simultaneous transmission of SR and PUSCH over different PUCCH groups CATT CR Rel-17 38.321 17.1.0 1321 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2207796](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207796.zip) Issue on a CG transmission cancelled by a DG without UL-SCH OPPO discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208013](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208013.zip) MAC impact on PHY prioritization Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208014](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208014.zip) Correction on TB generated for UCI multiplexing Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1361 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2208061](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208061.zip) Discussion on deprioritized CG-PUSCH with UCI only TB Huawei, HiSilicon discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208062](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208062.zip) Discussion on simultaneous transmissions of SR and PUSCH Huawei, HiSilicon discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208122](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208122.zip) Open Issues in IIOT UP Qualcomm Incorporated discussion Rel-17

[R2-2208355](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208355.zip) Discussion on SR error handling on PUCCH Cells ASUSTeK discussion Rel-16 38.321 NR\_IIOT\_URLLC\_enh-Core

[R2-2208588](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208588.zip) Correction for De-prioritizatin of Overlapping Resources Samsung draftCR Rel-17 38.321 17.1.0 F NR\_IIOT\_URLLC\_enh-Core

Moved from TEI17

[R2-2207792](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207792.zip) Clarification on SR and PUSCH collision-Alt1 OPPO, Samsung CR Rel-17 38.321 17.1.0 1341 - F TEI17

[R2-2207793](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207793.zip) Clarification on SR and PUSCH collision-Alt2 OPPO, Samsung CR Rel-17 38.321 17.1.0 1342 - F TEI17

[R2-2207794](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207794.zip) Clarification on SR and PUSCH collision-Alt2 OPPO, Samsung CR Rel-17 38.331 17.1.0 3315 - F TEI17

[R2-2207795](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207795.zip) Clarification on SR and PUSCH collision-Alt2 OPPO, Samsung CR Rel-17 38.306 17.1.0 0778 - F TEI17

## 6.6 Small Data enhancements

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

Tdoc Limitation: 3 tdocs

### 6.6.1 Organizational

Including LSs, rapporteur correction CR and any rapporteur inputs (e.g. from ASN.1 ad-hoc meeting).

[R2-2206907](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206907.zip) Reply LS on Small Data Transmission (C1-224149; contact: Apple) CT1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2206931](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206931.zip) LS on transferring SDT configuration and SRS positioning Inactive configuration from DU to CU (R3-223955; contact: Google) RAN3 LS in Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_pos\_enh To:RAN2

[R2-2208596](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208596.zip) Discussion on RRC IEs in the RAN3 specification Google Inc. discussion Rel-17

[R2-2207120](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207120.zip) Response to RAN3 LS on SDT containers for F1-AP Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208072](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208072.zip)

[R2-2206953](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206953.zip) Reply LS on TA validation for CG-SDT (R4-2211122; contact: ZTE) RAN4 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2207976](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207976.zip) draft reply LS on TA validation for CG-SDT ZTE Corporation, Sanechips LS out To:RAN4

[R2-2207900](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207900.zip) Corrections on SDT Nokia, Nokia Shanghai Bell, Samsung CR Rel-17 38.300 17.1.0 0519 - F NR\_SmallData\_INACTIVE-Core

[R2-2207928](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207928.zip) Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1357 - F NR\_SmallData\_INACTIVE-Core

=> baseline for email discussion CR

### 6.6.2 User plane common aspects

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

*2-stepRACH during CG-SDT*

[R2-2207004](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207004 .zip) Issues for RA during CG-SDT procedure Samsung Electronics Co., Ltd     discussion Rel-17    NR\_SmallData\_INACTIVE-Core

[R2-2207001](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207001.zip) cg-SDT-TimeAlignmentTimer Handling Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207359](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207359 .zip) cg-SDT-TimeAlignmentTimer maintenance during 2-step RA   Langbo   CR  Rel-17 38.321    17.1.0     1311       -      F NR\_SmallData\_INACTIVE-Core

[R2-2207360](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207360 .zip) cg-SDT-TimeAlignmentTimer handling for RA-SDT Langbo   CR  Rel-17    38.321 17.1.0     1312       -      F NR\_SmallData\_INACTIVE-Core

*LCH-restriction for CG-SDT*

[R2-2207901](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207901 .zip) LCH restrictions at SDT mode selection Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, LGE CR  Rel-17    38.321 17.1.0     1351       -      F NR\_SmallData\_INACTIVE-Core

[R2-2208117](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208117 .zip) LCH restrictions for CG-SDT       Ericsson discussion     Rel-17 NR\_SmallData\_INACTIVE-Core

*cg-SDT-TAT maintenance after receving TAC MAC CE*

[R2-2207930](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207930 .zip) TAT maintenance for CG-SDT when receiving TAC MAC CE Huawei, Ericsson, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE corporation    discussion     Rel-17 NR\_SmallData\_INACTIVE-Core

*CG-SDT retransmission on different CG configuration*

[R2-2207902](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207902 .zip) MAC procedure issues Nokia, Nokia Shanghai Bell CR  Rel-17    38.321    17.1.0 1352       -      F NR\_SmallData\_INACTIVE-Core

*To discuss whether it is allowed to use another CG configuration for CG-SDT retransmission different from the CG config used for initial transmission.*

To be discussed over email

[R2-2207416](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207416.zip) Analysis on remaining issues for SDT CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207571](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207571.zip) Correction on SSB selection for CG-SDT LG Electronics Inc. discussion NR\_SmallData\_INACTIVE-Core

[R2-2207572](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207572.zip) CR for correction on SSB selection for CG-SDT LG Electronics Inc. CR Rel-17 38.321 17.1.0 1325 - F NR\_SmallData\_INACTIVE-Core

[R2-2207573](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207573.zip) Clarification of Bj increment LG Electronics Inc. discussion NR\_SmallData\_INACTIVE-Core

[R2-2207815](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207815.zip) Correction on the stored RSRP for TA validation Xiaomi draftCR Rel-17 38.321 17.1.0 F NR\_SmallData\_INACTIVE-Core

[R2-2207906](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207906.zip) User plane issues for SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207929](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207929.zip) Text Proposal for RSRP-based TA validation Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208266](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208266.zip) Correction on CG-SDT Transmisson vivo CR Rel-17 38.321 17.1.0 1377 - F NR\_SmallData\_INACTIVE-Core Late

[R2-2208356](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208356.zip) Correction on SR delay timer ASUSTeK discussion Rel-16 NR\_SmallData\_INACTIVE-Core

[R2-2208660](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208660.zip) Clarification on uci-onPUSCH for CG-SDT vivo CR Rel-17 38.331 17.1.0 3462 - F NR\_SmallData\_INACTIVE-Core

### 6.6.3 Control plane common aspects

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

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

T319 delayed start

[R2-2207907](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207907.zip) Issues due to delay of the start of T319a NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

UDC for SDT moved from 6.6.3

[R2-2208640](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208640.zip) Discussion on UDC continuity in SDT China Telecom discussion

[R2-2208655](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208655.zip) CR for TS38.300 on Support of UDC in SDT China Telecom CR Rel-17 38.300 17.1.0 0545 - B NR\_SmallData\_INACTIVE-Core

[R2-2208656](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208656.zip) CR for TS38.331 on Support of UDC in SDT China Telecom CR Rel-17 38.331 17.1.0 3461 - B NR\_SmallData\_INACTIVE-Core

Move to email discussion

[R2-2207003](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207003.zip) T319a synchronisation issue Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207417](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207417.zip) Handling of sdt-Config upon reception of RRCRelease message CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207418](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207418.zip) PDCP Re-establishment for SRB(s) upon initiation of SDT CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207907](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207907.zip) Issues due to delay of the start of T319a NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207965](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207965.zip) UAC for non-SDT initiation during SDT Google Inc. CR Rel-17 38.331 17.1.0 3337 - F NR\_SmallData\_INACTIVE-Core

[R2-2207977](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207977.zip) RRC corrections for SDT ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3340 - F NR\_SmallData\_INACTIVE-Core

[R2-2207988](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207988.zip) ROHC continuity and initial BWP related corrections Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208130](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208130.zip) BWP for CG-SDT Ericsson discussion Rel-17 38.331 NR\_SmallData\_INACTIVE-Core

[R2-2208218](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208218.zip) RRC state preference during SDT procedure Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208269](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208269.zip) Correction on SRB1 Handling in SDT vivo CR Rel-17 38.331 17.1.0 3393 - F NR\_SmallData\_INACTIVE-Core

[R2-2208357](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208357.zip) Correction on T319a ASUSTeK discussion Rel-16 NR\_SmallData\_INACTIVE-Core

## 6.18 RACH indication and partitioning

Tdoc Limitation: 2 tdocs

Expected to cover WIs SDT, CovEnh, RedCap, RAN slicing. RA specific aspects from the different WI should be covered in this AI given the RA experts are all there.

### 6.18.1 Common signalling framework

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

Move to email discussion

[R2-2207679](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207679.zip) Miscellaneous corrections to slice-specific RACH configuration Spreadtrum Communications discussion Rel-17

[R2-2207820](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207820.zip) Correction on TS 38 331 for RACH common CATT CR Rel-17 38.331 17.1.0 3317 - F NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

[R2-2207981](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207981.zip) Correction on startPreambleForThisPartition ZTE Corporation, Sanechips, Ericsson CR Rel-17 38.331 17.1.0 3341 - F NR\_redcap-Core

[R2-2207982](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207982.zip) Configuration of preambles for feature combination ZTE Corporation, Sanechips discussion

[R2-2207989](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207989.zip) RRC corrections to common RACH framework Huawei, HiSilicon draftCR Rel-17 38.331 17.1.0 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2207997](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207997.zip) On the number of RACH partitions MediaTek Inc. discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

[R2-2208240](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208240.zip) Miscellaneous corrections to common signalling for RACH partitioning Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3389 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2208399](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208399.zip) Correction on Feature Combination LG Electronics Inc. CR Rel-17 38.331 17.1.0 3415 - F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2208910](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208910.zip) Correction on the featurePriorities Huawei, HiSilicon discussion Rel-17

### 6.18.2 Common aspects of RACH procedure

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

Move to email discussion

[R2-2207905](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207905.zip) UL carrier selection for RA-SDT Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1353 - F NR\_SmallData\_INACTIVE-Core

[R2-2207990](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207990.zip) MAC correction to the RACH partitioning Huawei, HiSilicon draftCR Rel-17 38.321 17.1.0 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2208131](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208131.zip) Correction to CFRA with additionalRACH-Configs Ericsson discussion Rel-17 NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

[R2-2208132](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208132.zip) Correction to CFRA with additionalRACH-Configs Ericsson CR Rel-17 38.321 17.1.0 1372 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

[R2-2208400](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208400.zip) Correction on fallback cases from CFRA to CBRA in CE-only BWP LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2208614](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208614.zip) 38.321 CR Correction on the provision of the feature applicability for RACH Beijing Xiaomi Software Tech draftCR Rel-17 38.321 17.1.0 F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2208662](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208662.zip) Correction on RO Selection with RA Partitioning vivo CR Rel-17 38.321 17.1.0 1398 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

# 8 Rel-18

## 8.3 Network energy savings for NR

(xx-Core; leading WG: RAN1; REL-18; WID: RP-213554)

Time budget: 1 TU

Tdoc Limitation: 2 tdocs

### 8.3.1 Organizational

*LS, workplan, etc*

[R2-2208339](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208339.zip) Work plan for NR network energy savings Huawei Work Plan Rel-18 FS\_Netw\_Energy\_NR

[R2-2208340](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208340.zip) TR 38.864 skeleton for study on network energy savings for NR Huawei discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208341](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208341.zip) General consideration of RAN2 study Huawei discussion Rel-18 FS\_Netw\_Energy\_NR

### 8.3.2 gNB and UE supporting techniques

*Contributions should focus on how to achieve more efficient operation dynamically and/or semi-statically and finer granularity adaptation of transmissions and/or receptions in one or more of network energy saving techniques in time, frequency, spatial, and power domains, with potential support/feedback from UE, and potential UE assistance information*

[R2-2207037](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207037.zip) Discussion on NW energy saving KDDI Corporation discussion

[R2-2207115](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207115.zip) Efficient operation of adaptation for network energy saving Intel Corporation discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207116](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207116.zip) Additional UE assistance information and UE feedback Intel Corporation discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207246](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207246.zip) Time domain NES techniques InterDigital discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207247](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207247.zip) Frequency domain and UE assistance NES techniques InterDigital discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207292](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207292.zip) Finer granularity configuration for NES NEC Telecom MODUS Ltd. discussion

[R2-2207293](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207293.zip) Assistance information to support choice of NES configuration NEC Telecom MODUS Ltd. discussion

[R2-2207406](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207406.zip) Consideration on network energy saving Fujitsu discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207414](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207414.zip) Efficient PCell and SCell handling for network energy saving Fujitsu discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207423](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207423.zip) Initial discussion on RAN2 work of Network energy saving Apple discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207424](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207424.zip) On-demand measurement for network energy saving Apple discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207511](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207511.zip) Network energy savings: issues for investigation in RAN2 CATT discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207512](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207512.zip) Consideration on UE Assistance Information CATT discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207545](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207545.zip) NW energy saving in CONNECTED Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207546](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207546.zip) NW energy saving in IDLE Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207786](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207786.zip) discussions on time domain techniques for network energy saving vivo discussion Rel-18

[R2-2207787](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207787.zip) discussion on frequency domain and UE-assisted Network Energy saving techniques vivo discussion Rel-18

[R2-2207799](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207799.zip) Discussion on network energy savings OPPO discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207800](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207800.zip) Discussion on the UE assistance information OPPO discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207919](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207919.zip) Discussion on supporting of network energy savings for NR Lenovo discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207920](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207920.zip) Discussion on the state transition in NES Lenovo discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207960](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207960.zip) Alignment of UE and Network Energy Saving Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

[R2-2208026](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208026.zip) Assistance information from the UE for NW energy savings Ericsson discussion

[R2-2208031](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208031.zip) Miscellaneous mechanisms for network energy savings Ericsson discussion

[R2-2208120](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208120.zip) Network Energy Savings Techniques Qualcomm Incorporated discussion Rel-18

[R2-2208233](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208233.zip) gNB operation for NES ETRI discussion

[R2-2208297](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208297.zip) Network Energy savings - UE grouping for efficient signaling Rakuten Mobile, Inc discussion Rel-18

[R2-2208330](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208330.zip) Supporting access via assistant cell for network energy saving ZTE corporation, Sanechips discussion Rel-18

[R2-2208331](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208331.zip) Techniques in various domains and UE assistance information for network energy saving ZTE corporation, Sanechips discussion Rel-18

[R2-2208342](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208342.zip) Discussion on network energy saving techniques for single carrier Huawei, HiSilicon, Deutsche Telekom discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208343](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208343.zip) Discussion on network energy saving techniques for multi-carrier case Huawei, HiSilicon, China Unicom, Deutsche Telekom discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208431](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208431.zip) Discussion on the technical directions for network energy saving CMCC discussion Rel-18

[R2-2208432](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208432.zip) Analysis on power consumption in base station CMCC discussion Rel-18

[R2-2208573](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208573.zip) Energy saving on system information transmission Xiaomi discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208592](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208592.zip) Feedback and Assistance Information for NES Samsung discussion Rel-18

[R2-2208593](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208593.zip) Network Energy Saving (NES) Techniques Samsung discussion Rel-18

[R2-2208606](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208606.zip) Coexistence considerations in network energy saving MediaTek Inc. discussion Rel-18 FS\_Netw\_Energy\_NR

## 8.8 NR support for UAV

(xx-Core; leading WG: RAN1; REL-18; WID: RP-213600)

Time budget: 0.5 TU

Tdoc Limitation: 2

### 8.8.1 Organizational

[R2-2207328](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207328.zip) Uncrewed Aerial Vehicles in Rel-18 - workplan Nokia, Nokia Shanghai Bell Work Plan Rel-18 NR\_UAV-Core

### 8.8.2 Measurement reporting

*Contributions should focus on enhancement to measurement reports, for example UE-triggered measurement report based on configured height thresholds, Reporting of height, location and speed in measurement report, Flight path reporting, Measurement reporting based on a configured number of cells (i.e. larger than one) fulfilling the triggering criteria simultaneously*

*Note: Work done in LTE is a starting point for this objective. NR-specific enhancements can be considered, if needed, while overall the LTE and NR solutions should be harmonized as much as possible.*

### 8.8.3 Subscription-based aerial-UE identification

Contributions should focus on signaling required to support subscription-based aerial-UE identification

*Note: Work done in LTE is a starting point for this objective. NR-specific enhancements can be considered, if needed, while overall the LTE and NR solutions should be harmonized as much as possible.*

### 8.8.4 UAV identification broadcast

*Study and specify, if needed, enhancements for UAV identification broadcast*

NOTE: This Agenda Item will not be treated in this meeting

[R2-2207076](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207076.zip) Consideration on measurement reporting of NR support for UAV DENSO CORPORATION discussion NR\_UAV-Core

[R2-2207154](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207154.zip) Considerations on Measurement Reports Enhancements NEC Europe Ltd discussion Rel-18 NR\_UAV-Core

[R2-2207194](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207194.zip) Discussion on NR support for UAV NTT DOCOMO, INC. discussion Rel-18

[R2-2207233](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207233.zip) Measurement Reports Enhancement for UAV OPPO discussion Rel-18

[R2-2207329](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207329.zip) On measurement reporting enhancements for UAVs - LTE baseline in NR framework Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2207518](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207518.zip) Measurement Reporting for NR UAV CATT discussion Rel-18 NR\_UAV-Core

[R2-2207601](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207601.zip) Discussion on measurement reporting enhancement for NR UAV vivo discussion Rel-18 NR\_UAV

[R2-2207602](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207602.zip) Discussion on flight path reporting for NR UAV vivo discussion Rel-18 NR\_UAV

[R2-2207624](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207624.zip) On measurement and reporting enhancements Ericsson discussion NR\_UAV-Core Revised

[R2-2207715](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207715.zip) measurement report enhancement for NR UAV Lenovo discussion Rel-18

[R2-2207836](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207836.zip) UAV measurement reporting Sony discussion Rel-18 NR\_UAV

[R2-2207925](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207925.zip) NR support for UAV first steps plus Inter RAT aspects Vodafone GmbH discussion Rel-18

[R2-2207935](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207935.zip) Discussion on measurement reporting in UAV Apple discussion Rel-18 NR\_UAV-Core

[R2-2208042](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208042.zip) On measurement and reporting enhancements Ericsson discussion NR\_UAV-Core [R2-2207624](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207624.zip)

[R2-2208098](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208098.zip) Measurement and reporting enhancements Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2208099](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208099.zip) Mobility considerations and some performance results Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2208250](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208250.zip) UAV support for NR Intel Corporation discussion Rel-18 NR\_UAV-Core

[R2-2208279](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208279.zip) Measurement reporting for UAV InterDigital discussion Rel-18 NR\_UAV-Core

[R2-2208335](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208335.zip) Measurement Report Enhancement LG Electronics Finland discussion

[R2-2208336](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208336.zip) Flight Path Information Enhancement LG Electronics Finland discussion

[R2-2208412](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208412.zip) Discussion on measurement reporting enhancements for NR UAV ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2208421](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208421.zip) Consideration on subscription-based UAV identification Huawei, HiSilicon discussion Rel-19 NR\_UAV-Core

[R2-2208445](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208445.zip) Consideration on Measurement Reporting for UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2208469](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208469.zip) Discussion on measurement reporting for NR UAV Xiaomi discussion

[R2-2208608](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208608.zip) Discussion on enhancements on measurement reports for NR UAV Samsung Electronics Co., Ltd discussion Rel-18 NR\_UAV-Core

## 8.15 R18 Other

Misc Impacts from Other RAN WGs and TSGs (incl MC Enhancements). LS ins for Rel-18 topics that has no RAN WI.

Time budget: 0.5 TU

Tdoc Limitation: -

Low Latency

This topic is handled by UP breakout session (Diana)

[R2-2206963](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2206963  .zip)   LS on RAN feedback for low latency (S2-2201767; contact: Huawei)           SA2   LS in    Rel-18  FS\_5TRS\_URLLC         To:RAN2          Cc:RAN1, RAN3

[R2-2208134](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208134  .zip)   Discussion on RAN feedback for low latency         Ericsson           discussion   Rel-18

[R2-2208007](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208007  .zip)   Proposed response to SA2 LS [R2-2203930](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2203930.zip) on low latency Nokia, Nokia Shanghai Bell      discussion        Rel-18  FS\_5TRS\_URLLC

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[R2-2207043](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207043  .zip)   Draft reply LS on RAN feedback for low latency     Qualcomm Incorporated   discussion        Rel-18  FS\_NR\_XR\_enh

*Moved from 8.5.1*

[R2-2207768](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207768  .zip)   Consideration on meeting very low latency requirement in TDD      ZTE Corporation, Sanechips, China Southern Power Grid Co., Ltd         discussion   Rel-17  NR\_IIOT\_URLLC\_enh-Core      [R2-2205732](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2205732.zip)

Moved from 6.5.1

[R2-2207775](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2207775  .zip)   [DRAFT] Reply LS on RAN feedback for low latency          ZTE Corporation, Sanechips           LS out  Rel-17  NR\_IIOT\_URLLC\_enh-Core      [R2-2205734](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2205734  .zip) To:SA2 Cc:RAN3

Moved from 6.5.1

[R2-2208687](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208687.zip) Discussion on RAN feedback for low latency enquired by SA2 Huawei discussion Late

[R2-2208688](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_118-e\Docs\R2-2208688.zip) Draft reply LS on RAN feedback for low latency Huawei LS out Rel-18 FS\_5TRS\_URLLC To:SA2 Cc:RAN1, RAN3 Late