3GPP TSG-RAN WG2 Meeting #118-e R2-22xxxxx

Online, 9-20 May 2022

Source: Session Chair (MediaTek)

Title: Report of session on positioning and sidelink relay

# Status of At-Meeting Email Discussions

This subclause is not an Agenda Item. It contains a running summary of the email discussions assigned to take place during the meeting weeks. This section will be moved to an appendix in the final version of the report.

* [AT118-e][600][POS][Relay] Organisational Nathan – Positioning/Relay (MediaTek)

Scope: Organisational discussions and announcements, as needed throughout the meeting weeks.

Intended outcome: Well-informed participants

Deadline: Friday 2022-05-20 1000 UTC

Relay rapporteur CRs:

* [AT118-e][611][Relay] 38331 relay CR (Huawei)

Scope: Update the rapporteur CR (R2-2205986), incorporating decisions of this meeting. Phase 1 attempts to resolve the main technical issues; phase 2 produces an initial draft of the decisions (expectation is that review of this CR may be extended to post-meeting).

Intended outcome: CR agreeable as a baseline for final review

Deadline: Phase 1 Friday 2022-05-13 1800 UTC, Phase 2 Wednesday 2022-05-18 0400 UTC

* [AT118-e][612][Relay] 38300 relay CR (MediaTek)

Scope: Update the rapporteur CR (R2-2204584), incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2204991, R2-2204795, R2-2204990, R2-2205432, R2-2205781.

Intended outcome: Agreed CR (without CB if possible)

Deadline: Wednesday 2022-05-18 0400 UTC

* [AT118-e][613][Relay] 38304 relay CR (Ericsson)

Scope: Develop a rapporteur CR, incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2205905, R2-2204992.

Intended outcome: Agreed CR (without CB if possible)

Deadline: Wednesday 2022-05-18 0400 UTC

* [AT118-e][614][Relay] 38306 relay CR (Qualcomm)

Scope: Update the rapporteur CR (R2-2205880), incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2204637, R2-2204638, R2-2204770, R2-2205988.

Intended outcome: Agreed CR (without CB if possible)

Deadline: Phase 1 to agree on proposals: Thursday 2022-05-12 0400 UTC; Phase 2 to agree CR Wednesday 2022-05-18 0400 UTC

* [AT118-e][615][Relay] 38321 relay CR (Apple)

Scope: Update the rapporteur CR (R2-2205648), incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2204766, R2-2204767, R2-2204768, R2-2204769, R2-2205114, R2-2205610, R2-2204773, R2-2204993 (handling of R2-2205610 and R2-2204768 to be confirmed online Monday 2022-05-09).

Intended outcome: Agreeable CR

Deadline: Wednesday 2022-05-18 0400 UTC

* [AT118-e][616][Relay] 38322 and 38323 relay CRs (Samsung)

Scope: Update the rapporteur CRs (R2-2205607 and R2-2205608), incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2205963, R2-2205611.

Intended outcome: Agreed CRs (without CB if possible)

Deadline: Wednesday 2022-05-18 0400 UTC

* [AT118-e][617][Relay] 38351 relay CR (OPPO)

Scope: Update the rapporteur CR (R2-2204632), incorporating decisions of this meeting and taking into account related proposals in the related tdocs: R2-2204796, R2-2204797, R2-2205133, R2-2205431.

Intended outcome: Agreed CR (without CB if possible)

Deadline: Wednesday 2022-05-18 0400 UTC

Relay other discussions:

* [AT118-e][618][Relay] 37985 relay TP (ZTE)

Scope: Evaluate the TP in R2-2204800 and produce an endorsable version.

Intended outcome: Endorsed TP and approved LS to RAN1 (without CBs)

Deadline: Wednesday 2022-05-18 0400 UTC

* [AT118-e][619][Relay] LS on SDU type in PDCP (ZTE)

Scope: Discuss the LS in R2-2204447 and related contributions (R2-2204633, R2-2204771, R2-2204772, R2-2204798, R2-2204799). Phase 1 should determine a way forward and a recommendation to be taken into account in the PDCP rapporteur CR; Phase 2 is to draft and approve the LS.

Intended outcome: Approved LS (without CB)

Deadline: Phase 1 Friday 2022-05-13 1800 UTC, Phase 2 Wednesday 2022-05-18 0400 UTC

* [AT118-e][620][Relay] System information issues (Qualcomm)

Scope: Discuss the system information proposals from agenda item 6.7.2.1 (R2-2204585, R2-2204586, R2-2204674, R2-2204886, R2-2205064, R2-2205065, R2-2205319, R2-2205609) and determine handling of the technical issues.

Intended outcome: Report to Monday CB session

Deadline: Friday 2022-05-13 1800 UTC

* [AT118-e][621][Relay] Initial comments on discovery and (re)selection (vivo)

Scope: Collect company views on the issues raised in R2-2206056.

Intended outcome: Report to Wednesday session

Deadline: Tuesday 2022-05-10 1800 UTC

Positioning rapporteur CRs:

* [AT118-e][622][POS] 38305 positioning CR (Intel)

Scope: Review and update the rapporteur CR (R2-2204931), also taking into account proposals in the stage 2 related tdocs: R2-2205655, R2-2204690, R2-2205017, R2-2205488, R2-2205805, stage 2 proposals from AI 6.11.2.1. Also check the CR in R2-2204689 to 36.305. Discussion should coordinate with the handling of agenda item summaries.

Intended outcome: Agreed CRs to 38.305 and 36.305 (without CBs if possible)

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][623][POS] 38331 positioning CR (Ericsson)

Scope: Review and update the rapporteur CR (R2-2205859), taking into account decisions of this meeting. Discussion should coordinate with the handling of agenda item summaries.

Intended outcome: Agreeable CR

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][624][POS] 37355 positioning CR (Qualcomm)

Scope: Review and update the rapporteur CR (R2-2205829), taking into account decisions of this meeting. Discussion should coordinate with the handling of agenda item summaries.

Intended outcome: Agreeable CR

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][625][POS] 38321 positioning CR (Huawei)

Scope: Develop a rapporteur CR, taking into account decisions of this meeting. Discussion should coordinate with the handling of agenda item summaries.

Intended outcome: Agreeable CR

Deadline: Tuesday 2022-05-17 1800 UTC

Positioning other discussions:

* [AT118-e][626][POS] LS on TEG framework (CATT)

Scope: Handle the LS in R2-2204478, determine a way forward, and draft a reply.

Intended outcome: Approved LS (without CB if possible)

Deadline: Friday 2022-05-13 1800 UTC

* [AT118-e][627][POS] Positioning UE capabilities (Intel)

Scope: Discuss proposals on UE capabilities, taking into account the related tdocs: R2-2204933, R2-2205009, R2-2206330.

Intended outcome: Endorsed TPs to some or all of 37.355, 38.331, 38.306, 38.822 (without CBs if possible)

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][628][TEI17] NMEA GGA string for HA-GNSS reporting (Ericsson)

Scope: Discuss the contribution in R2-2205845 and determine if a CR is agreeable.

Intended outcome: Agreed CR (without CB if possible)

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][629][POS] Rel-16 positioning CRs (Ericsson)

Scope: Discuss the following contributions under agenda item 5.3 and determine handling: R2-2204694, R2-2204695, R2-2205801, R2-2205802, R2-2205803.

Intended outcome: Agreed CRs (without CB)

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][630][POS] LS on DL-AoD signalling load (Ericsson)

Scope: Discuss the concern on signalling load raised in R2-2204491 and draft a reply.

Intended outcome: Approved LS (without CB if possible)

Deadline: Tuesday 2022-05-17 1800 UTC

* [AT118-e][631][POS] Remaining PropDisc LPP RIL items (Qualcomm)

Scope: Check company views and discuss the RIL items marked for discussion and not covered by contributions:

* H004: Expected AoA/AoD per TRP or per resource
* N013: Uncertainty mandatory or optional for expected AoA/AoD
* H059: DL-PRS ID in the TEG timestamp
* H024, H032, H033, H046: BIT STRING for UE-based assistance data per method

Intended outcome: Report to Monday (week 2) session

Deadline: Friday 2022-05-13 1800 UTC

# 4 EUTRA Rel-16 and earlier

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

## 4.4 Positioning corrections Rel-16 and earlier

(LTE\_NavIC-Core, LTE TEI16 Positioning), REL-15 and Earlier WIs are in scope but not listed explicitly (long list).

Documents in this agenda item will be handled by email. No web conference is planned for this agenda item.

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 18 tdocs in total for all sub agenda items.

## 5.3 NR Positioning Support

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: RP-191971)

(NR\_pos-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Jun 20; WID: RP-200218).

(NR TEI16 Positioning)

Documents in this agenda item will be handled by email. No web conference is planned for this agenda item, and non-urgent documents may be postponed to next meeting.

Tdoc Limitation: See tdoc limitation for Agenda Item 5

### 5.3.1 General and Stage 2 corrections

Including incoming LSs, Including impact to 36.305 and 38.305. Stage 2 corrections shall be discussed with the specification rapporteur (Sven Fischer sfischer@qti.qualcomm.com) before submission. Stage 2 CRs not discussed with the specification rapporteur will not be treated.

This agenda item may use a summary document (decision to be made based on submitted tdocs).

[R2-2204694](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.305_CR0088_(Rel-16)_R2-2204694.docx) Correction on the description of deferred MT-LR CATT CR Rel-16 38.305 16.7.0 0088 - F NR\_pos-Core

[R2-2204695](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.305_CR0089_(Rel-17)_R2-2204695.docx) Correction on the description of deferred MT-LR CATT CR Rel-17 38.305 17.0.0 0089 - A NR\_pos-Core

### 5.3.2 RRC corrections

Including impact to 36.331, 38.331, and 38.306.

This agenda item may use a summary document (decision to be made based on submitted tdocs).

### 5.3.3 LPP corrections

This agenda item may use a summary document (decision to be made based on submitted tdocs).

[R2-2205801](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205801%20Motivation%20LPP%20Segmentation.docx) Motivation to clarify LPP segmentation purpose Ericsson discussion

[R2-2205802](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205802%20SegCRCatF.docx) Clarification on LPP segmentation Ericsson CR Rel-16 37.355 16.8.0 0334 1 F NR\_pos-Core R2-2203368

[R2-2205803](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205803%20SegCRCatA.docx) Clarification on LPP segmentation Ericsson CR Rel-17 37.355 17.0.0 0346 - A NR\_pos-Core

### 5.3.4 MAC corrections

# 6 NR Rel-17

## 6.7 NR Sidelink relay

(NR\_SL\_Relay-Core; leading WG: RAN2; REL-17; WID: RP-212601)

WI has been declared 100% complete

Tdoc Limitation: 8 tdocs

### 6.7.1 Organizational

Incoming LSs, TS updates, rapporteur inputs. This AI is reserved for rapporteur and organizational inputs. For LSes that need action or have impact beyond taking into account by CR rapporteurs: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided. Related documents and proposed responses from companies other than the contact company should be submitted to the corresponding technical agenda item.

Incoming LSs other than R2-2204447, with “take into account” actions only

[R2-2204436](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2204436.zip) LS reply on support of RAN sharing and discovery signalling (S2-2201296; contact: Huawei) SA2 LS in Rel-17 To:RAN2 Cc:CT1

[R2-2204440](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2204440.zip) Reply LS on discovery and data associated to different L2 IDs (S2-2201298; contact: vivo) SA2 LS in Rel-17 To:RAN2 Cc:CT1

LS on SDU type and related documents

[R2-2204447](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204447_C1-221835.docx) LS on the SDU type used over user plane for NR PC5 reference point (C1-221835; contact: ZTE) CT1 LS in Rel-17 To:RAN2 Cc:SA2

[R2-2204633](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204633%20-%20Discussion%20on%20CT1%20LS%20on%20SDU%20type%20(C1-221835).docx) Discussion on CT1 LS on SDU type (C1-221835) OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2204771](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204771.docx) Issues on the SDU Type Used over User Plane for NR PC5 Reference Point CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204772](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204772.docx) Correciton on PDCP for SL relay CATT draftCR Rel-17 38.323 17.0.0 F NR\_SL\_relay-Core

[R2-2204798](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204798%20Discussion%20on%20the%20SDU%20type%20used%20over%20user%20plane%20for%20NR%20PC5%20reference%20point.doc) Discussion on the SDU type used over user plane for NR PC5 reference point ZTE, Sanechips discussion Rel-17 NR\_SL\_relay-Core

[R2-2204799](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204799%20Draft%20reply%20LS%20on%20SDU%20type%20used%20over%20user%20plane%20for%20NR%20PC5%20reference%20point.docx) Draft reply LS on SDU type used over user plane for NR PC5 reference point ZTE, Sanechips LS out Rel-17 NR\_SL\_relay-Core, NR\_SL\_enh To:CT1 Cc:SA2

Rapporteur CRs

[R2-2204584](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204584%20%2038300-%20Correction%20%20for%20SL%20Relay.docx) 38.300 CR Correction for SL Relay MediaTek Inc. CR Rel-17 38.300 17.0.0 0440 - F NR\_SL\_relay-Core

[R2-2204632](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38351_CR0001_(Rel-17)_R2-2204632%20-%20Correction%20on%20SRAP%20for%20L2%20U2N%20Relay_V4.3.docx) Correction on SRAP for L2 U2N Relay OPPO CR Rel-17 38.351 17.0.0 0001 - F NR\_SL\_relay-Core

[R2-2205607](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205607%2038.322%20CR0048%20Correction%20on%20RLC%20for%20SL%20Relay.docx) Correction on RLC for SL relay Samsung CR Rel-17 38.322 17.0.0 0048 - F NR\_SL\_relay-Core

[R2-2205608](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205608%2038.323%20CR0093%20Correciton%20on%20PDCP%20for%20SL%20relay.docx) Correction on PDCP for SL relay Samsung CR Rel-17 38.323 17.0.0 0093 - F NR\_SL\_relay-Core

[R2-2205648](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205648_38321_CR1277_(Rel-17)_MAC-%20Correction%20for%20SL%20Relay_v2.docx) Correction for sidelink relay in MAC Apple CR Rel-17 38.321 17.0.0 1277 - F NR\_SL\_relay-Core Late

[R2-2205880](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.306_CR0728(Rel-17)_R2-2205880%20-%2038.306%20CR%20for%20sidelink%20relay%20capabilities.docx) 38.306 CR for sidelink relay UE capabilities Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0728 - F NR\_SL\_relay-Core

[R2-2205986](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205986_38331_%20CR%233145_%20Rel-17_Miscellaneous%20corrections%20for%20NR%20SL%20Relay.docx) Miscellaneous RRC CR for SL relay Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3145 - F NR\_SL\_relay-Core Late

### 6.7.2 Essential corrections

No documents should be submitted to 6.7.2. Please submit to 6.7.2.x.

#### 6.7.2.1 Control plane procedures

Including connection management, SI delivery, paging, access control for remote UE.

Summary document

R2-2206339 Summary of [Pre118-e][608][Relay] Summary of AI 6.7.2.1 on CP (Lenovo) Lenovo discussion Rel-17 NR\_SL\_relay-Core

System information issues (handled in email)

[R2-2204585](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204585%20General%20SIB%20forwarding%20for%20Remote%20UE.docx) General SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204586](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204586%20Positioning%20SIB%20forwarding%20for%20Remote%20UE.docx) Positioning SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204674](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204674%20%5bE083%5d%5bH593%5d%20Two%20copies%20of%20a%20same%20SIB%20and%20related%20remote%20UE%20behaviour.docx) [E083][H593] Two copies of a same SIB and related remote UE behaviour vivo discussion

[R2-2204886](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\Draft_R2-2204886.doc) Discussion on SI forwarding NEC Corporation discussion Rel-17 NR\_SL\_relay-Core

[R2-2205064](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205064%20Discussion%20on%20remote%20UE's%20SIB(s)%20acquisition%20and%20paging%20monitoring.docx) Discussion on remote UE’s SIB(s) acquisition and paging monitoring ZTE, Sanechips discussion Rel-17 NR\_SL\_relay-Core

[R2-2205065](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205065%20Correction%20on%20remote%20UEí»s%20SIB(s)%20acquisition%20and%20paging%20monitoring.docx) Correction on remote UE’s SIB(s) acquisition and paging monitoring ZTE, Sanechips CR Rel-17 38.331 17.0.0 3037 - F NR\_SL\_relay-Core

[R2-2205113](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205113-Cause%20value%20for%20Relay%20UE%20(38.331%20running%20CR).docx) Cause value for Relay UE (38.331 running CR) LG Electronics France CR Rel-17 38.331 17.0.0 3051 - F NR\_SL\_relay-Core

[R2-2205319](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205319.doc) Discussion on how to support posSIB(s) forwarding Xiaomi discussion

[R2-2205609](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205609%20Clarification%20of%20SI%20acquisition.doc) Clarification of SI acquisition for RRC\_IDLE/RRC\_INACTIVE Remote UE (RIL#: E084, H593) Samsung discussion Rel-17 NR\_SL\_relay-Core

Documents without identified RIL (no ASN.1 impact)

[R2-2204550](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204550.doc) Discussion on paging information management for a remote UE SHARP Corporation discussion NR\_SL\_relay-Core

[R2-2204551](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204551.doc) Discussion on cell change of remote UE due to relay UE's cell change SHARP Corporation discussion NR\_SL\_relay-Core

[R2-2204676](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204676%20OOC.docx) OOC concept for remote UE vivo discussion

[R2-2205115](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205115-remaining%20issues%20for%20control%20plane%20procedure%20for%20relay%20operation.docx) remaining issues for control plane procedure for relay operation LG Electronics France discussion Rel-17

[R2-2205131](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205131%20Connection%20establishment%20and%20resume%20failure%20occurrence%20to%20a%20L2%20U2N%20Remote%20UE.docx) Connection establishment and resume failure occurrence to a L2 U2N Remote UE ASUSTeK CR Rel-17 38.331 17.0.0 3052 - F NR\_SL\_relay-Core

[R2-2205132](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205132%20Associating%20two%20sidelink%20RLC%20bearer%20configurations%20for%20bi-directional%20sidelink%20RLC%20bearer%20to%20support%20L2%20U2N%20Relay.docx) Associating two sidelink RLC bearer configurations for bi-directional sidelink RLC bearer to support L2 U2N Relay ASUSTeK CR Rel-17 38.331 17.0.0 3053 - F NR\_SL\_relay-Core

[R2-2205856](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205856%20Correction%20for%20RRC%20reestablishment.docx) Correction for RRC Reestablishment in Sidelink relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay\_enh-Core

[R2-2205991](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205991%20Clarification%20on%20relay%20and%20remote%20UE%20behavior%20during%20failure%20handling.docx) Clarification on relay and remote UE behavior during failure handling Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

RILs where some discussion is needed

R2-2205496 is on N111

[R2-2204764](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204764.docx) [C121] Necessity of Releasing the Paging Request of Remote UE via SidelinkUEInformationNR CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204959](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204959%20%5bB104%5d%20TP%20on%20stop%20condition%20of%20T300%20v1.0.doc) [B104] TP on stop condition of T300 Lenovo discussion Rel-17

[R2-2204960](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204960%20%5bB105%5d%20TP%20on%20setup%20request%20procedure%20v1.0.doc) [B105] TP on setup request procedure Lenovo discussion Rel-17

[R2-2204961](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204961%20%5bB106%5d%20TP%20on%20re-establishment%20procedure%20v1.0.doc) [B106] TP on re-establishment procedure Lenovo discussion Rel-17

[R2-2205496](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205496%20Correction%20for%20setting%20cause%20value%20for%20sidelink%20relay.docx) Correction on cause value in sidelink relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2206042](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206042%20-%20Discussion%20on%20%5bO090%5d.docx) Discussion on [O090] OPPO discussion Rel-17 NR\_SL\_relay-Core

MAC related

[R2-2204766](C:\\Users\\mtk16923\\Documents\\3GPP Meetings\\202205 - RAN2_118-e, Online\\Extracts\\R2-2204766.docx" \o "C:\Users\mtk16923\Documents\3GPP Meetings\202205 - RAN2_118-e, Online\Extracts\R2-2204766.docx) Discussion on the LCIDs of SL-SCH for Uu Logical Channels of Remote UE CATT discussion Rel-17 NR\_SL\_relay-Core

Stage 2 related

[R2-2204991](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204991-38300_Correction%20to%20support%20L3%20U2N%20Relay.docx) Correction to support L3 U2N Relay OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

38.304 related

[R2-2205905](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205905%20(R17%20SL%20Relay%20WI_A6721_Paging_Corrections_in_304).docx) Draft CR on Corrections on Paging Reception by the Relay UE InterDigital draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

Rapporteur’s proposed treatment appears agreeable

[R2-2204634](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38331_draftCR_(Rel-17)_R2-2204634%20-%20%5bO006,%20O007,%20O008,%20O010,%20O011,%20O054,%20O900%5d.docx) Correction on [O006, O007, O008, O010, O011, O054, O900] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204765](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204765.docx) [C122]Conditions of RemoteUEInformationSidelink Transmission CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204989](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204989-Discussion%20on%20inter%20layer%20interaction%20for%20NR%20sidelink%20relay.docx) Discussion on inter layer interaction for NR sidelink relay OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2205321](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205321.doc) [X208] Discussion on remote UE’s on-demand SI in CONNECTED Xiaomi discussion

[R2-2205695](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205695%20%5bB100%5d%20SL%20Timers%20Broadcast%20in%20SIB1.docx) [B100] SL Timer Broadcast in SIB1 Lenovo discussion NR\_SL\_relay-Core Revised

[R2-2205699](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205699%20%5bB212%5d%20RRC%20Connected%20Remote%20UE%20cannot%20acquire%20SIB1.docx) [B212] RRC Connected Remote UE cannot acquire SIB1 Lenovo discussion NR\_SL\_relay-Core R2-2205695

[R2-2205906](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205906%20(R17%20SL%20Relay%20WI_A6721_RIL_U455.docx) [U455] Draft CR on Corrections to Paging DRX Cycle InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205907](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205907%20(R17%20SL%20Relay%20WI_A6721_RIL_U456_U473.docx) [U456][U473] Draft CR on Corrections to Trigger Conditions of RemoteUEInformationSidelink InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205908](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205908%20(R17%20SL%20Relay%20WI_A6721_RIL_U465.docx) [U465] Draft CR on Corrections to Relay UE Uu SI Request InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205909](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205909%20(R17%20SL%20Relay%20WI_A6721_RIL_U482.docx) [U482] Draft CR on Corrections to NotificationMessageSidelink InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

#### 6.7.2.2 Service continuity

Service continuity between Uu and relay paths, limited to intra-gNB cases.

Summary document

[R2-2206053](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206053.docx) Summary of 6.7.2.2 service continuity (Xiaomi) Xiaomi discussion Rel-17 NR\_SL\_relay-Core

Flagged in summary as containing critical changes

[R2-2204635](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38331_draftCR_(Rel-17)_R2-2204635%20-%20%5bO009,%20O017,%20O020,%20O022-O025%5d.docx) Correction on [O009, o017, O020, O022-O025] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205320](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205320.doc) [X200] Discussion on path swith failure upon target relay UE Pcell change Xiaomi discussion

[R2-2205093](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205093%2038.331%20CR%20for%20SL%20relay%20events.docx) 38.331 CR for SL relay events Samsung CR Rel-17 38.331 17.0.0 3047 - F NR\_SL\_relay-Core

[R2-2205633](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205633%20-%20Discussion%20on%20how%20remote%20UE%20gets%20its%20local%20ID%20in%20direct-to-indirect%20path%20switch.doc) Discussion on how remote UE gets its local ID in direct-to-indirect path switch when target relay UE is in IDLE/INACTIVE state Apple discussion Rel-17 NR\_SL\_relay-Core

RILs where some discussion is needed (marked as ToDisc, marked as PropReject and contested, etc.)

R2-2205339 seems to be on B103

[R2-2205339](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205339.doc) Service continuity open issues in L2 NR sidelink relay Sony discussion Rel-17 NR\_SL\_relay-Core

Stage 2 related

[R2-2204795](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204795%20Miscellaneous%20corrections%20for%20NR%20SL%20Relay%20in%2038.300.doc) Miscellaneous corrections for NR SL Relay in 38.300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0445 - F NR\_SL\_relay-Core

[R2-2204990](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204990-38300_Correction%20to%20support%20IDLE%20INACTIVE%20relay%20UE.docx) Correction to support IDLE INACTIVE relay UE OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

Documents without identified RIL (no ASN.1 impact)

[R2-2205375](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205375%20On%20the%20entry%20and%20exit%20conditions%20for%20path%20switch%20in%20SL%20relay.docx) On the entry and leave conditions for path switch in SL relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 C NR\_SL\_relay-Core

[R2-2205987](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205987_38331_CR%233146_Rel-17_Clarification%20on%20Uu%20threshold%20handling%20when%20configured%20with%20measurements%20of%20L2%20U2N%20Relay%20UEs.docx) Clarification on Uu threshold handling when configured with measurements of L2 U2N Relay Ues Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3146 - F NR\_SL\_relay-Core

#### 6.7.2.3 Adaptation layer design

Including bearer mapping, remote UE identification, security aspects if any.

[R2-2204796](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204796%20Correction%20on%20BEARER%20ID%20determination.doc) Correction on BEARER ID determination ZTE, Sanechips CR Rel-17 38.351 17.0.0 0002 - F NR\_SL\_relay-Core

[R2-2204797](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204797%20Corrections%20on%20the%20DL%20bearer%20mapping.docx) Correction on the DL bearer mapping ZTE, Sanechips CR Rel-17 38.351 17.0.0 0003 - F NR\_SL\_relay-Core

[R2-2205133](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205133%20Corrections%20on%20SRAP%20PDU%20handling%20and%20ID%20field%20determination.docx) Corrections on SRAP PDU handling and ID field determination ASUSTeK CR Rel-17 38.351 17.0.0 0004 - F NR\_SL\_relay-Core

[R2-2205431](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205431%20Correction%20on%20the%20handling%20of%20unknown,%20unforeseen,%20and%20erroneous%20protocol%20data%20and%20other%20miscellaneous%20in%20SRAP.docx) Correction on the handling of unknown, unforeseen, and erroneous protocol data and other miscellaneous in SRAP Huawei, HiSilicon CR Rel-17 38.351 17.0.0 0005 - F NR\_SL\_relay-Core

#### 6.7.2.4 QoS

Mechanisms for E2E QoS management.

[R2-2204993](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204993-38321_Correction%20for%20sequential%20rule%20of%20destination%20index.doc) Correction for sequential rule of destination index OPPO draftCR Rel-17 38.321 17.0.0 NR\_SL\_relay-Core

#### 6.7.2.5 Discovery and re/selection

Including 5G ProSe Direct Discovery for the non-relaying case. Re-using LTE discovery and re/selection as baseline.

Summary document

[R2-2206056](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206056_Summary%20of%20AI%206.7.2.5%20on%20Discovery%20and%20(re)selection-v03_Rapp.docx) Summary of AI 6.7.2.5 on Discovery and (re)selection vivo discussion Rel-17 NR\_SL\_relay-Core

RILs where some discussion is needed

[R2-2204564](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204564%20%5bV353%5d%5bZ652%5d%20Discussion%20and%20corrections%20on%20CBR%20measurements%20for%20NR%20SL%20discovery.docx) [V353][Z652] Discussion and corrections on CBR measurements for NR SL discovery vivo discussion

[R2-2204587](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204587%20Relay%20selection%20Requirement%20conflict.docx) Relay selection requirement conflict [M112][v208] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204636](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38331_draftCR_(Rel-17)_R2-2204636%20-%20%5bO042,%20O047-O049,%20O058-O060%5d.docx) Correction on [O042, O047-O049, O058-O060] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204675](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204675%20%5bV410%5d%5bO058%5d%20Dedicated%20pool%20for%20discovery%20reception.docx) [V410][O058] Dedicated pool for discovery reception vivo discussion

MAC related

[R2-2204767](C:\\Users\\mtk16923\\Documents\\3GPP Meetings\\202205 - RAN2_118-e, Online\\Extracts\\R2-2204767.docx" \o "C:\Users\mtk16923\Documents\3GPP Meetings\202205 - RAN2_118-e, Online\Extracts\R2-2204767.docx) Discussion on Resource Pool Selection for Discovery Message CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204768](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204768.docx) Correlation on Resource Pool Selection for Discovery Message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

[R2-2204769](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204769.docx) Introduction of LCID for discovery message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

[R2-2205114](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205114-Reduction%20of%20some%20parts%20of%20selection%20of%20logical%20channels%20in%20SL%20Relay%20%20(38.321%20running%20CR).docx) Reduction of some parts of selection of logical channels in SL Relay (38.321 running CR) LG Electronics France CR Rel-17 38.321 17.0.0 1254 - F NR\_SL\_relay-Core

[R2-2205356](C:\\Users\\mtk16923\\Documents\\3GPP Meetings\\202205 - RAN2_118-e, Online\\Extracts\\R2-2205356 Discussion on MAC functionality for discovery.docx" \o "C:\Users\mtk16923\Documents\3GPP Meetings\202205 - RAN2_118-e, Online\Extracts\R2-2205356 Discussion on MAC functionality for discovery.docx) Discussion on MAC functionality for discovery Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2205610](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205610%20Correction%20on%20SL%20discovery%20and%20UL%20prioritization.doc) Correction on SL discovery and UL prioritization Samsung discussion Rel-17 NR\_SL\_relay-Core

38.304 related

[R2-2204992](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204992-38304_Correction%20to%20support%20non-relay%20discovery.docx) Correction to support non-relay discovery OPPO draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

Documents without identified RIL (no ASN.1 impact)

[R2-2205063](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205063%20Corrections%20on%20the%20Sidelink%20discovery%20transmission.docx) Correction on the Sidelink discovery transmission ZTE, Sanechips CR Rel-17 38.331 17.0.0 3036 - F NR\_SL\_relay-Core

[R2-2205345](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205345.docx) Sidelink discovery operation - monitoring and transmission Beijing Xiaomi Mobile Software draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

Documents without identified RIL (ASN.1 impact)

[R2-2205357](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205357%20Assisting%20L2%20Remote%20UE%20to%20correctly%20evaluate%20threshold%20condition.docx) Assisting L2 Remote UE to correctly evaluate threshold condition Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

RLC related

[R2-2205963](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.322_draftCR(Rel-17)_R2-2205963%20-%2038.322%20CR%20for%20removing%20groupcast%20transmission%20mode%20for%20sidelink%20discovery.docx) Correction on Groupcast transmission mode support for sidelink discovery Qualcomm Incorporated draftCR Rel-17 38.322 17.0.0 C NR\_SL\_relay-Core

#### 6.7.2.6 UE capabilities

[R2-2204637](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38331_draftCR_(Rel-17)_R2-2204637%20-%20Correction%20on%20UE%20capability%20for%20discovery%20BC%20list%20(38.331).docx) Correction on UE capability for discovery BC list (38.331) OPPO draftCR Rel-17 38.331 17.0.0 B NR\_SL\_relay-Core

[R2-2204638](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38306_draftCR_(Rel-17)_R2-2204638%20-%20Correction%20on%20UE%20capability%20for%20discovery%20BC%20list%20(38.306).docx) Correction on UE capability for discovery BC list (38.306) OPPO draftCR Rel-17 38.306 17.0.0 B NR\_SL\_relay-Core

[R2-2204770](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204770.docx) Further discussion on UE capability CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2205988](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205988%20Clarification%20on%20supported%20BC%20of%20Uu%20and%20sidelink%20discovery.docx) Clarification on supported BC of Uu and sidelink discovery Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.7 ASN.1 issues

Any contributions related only to the details of relay-specific ASN.1 in 38.331.

Output of pre-meeting RRC CR discussion [602]

[R2-2206077](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2206077.zip) Draft CR for SL relay class1/2 RIL issues (Output of Pre118-e #602) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2206078](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206078%20Report%20of%20Pre-118-e%20%23602.docx) Report of Pre118-e #602 Huawei, HiSilicon report Rel-17 NR\_SL\_relay-Core

RILs where some discussion is needed

[R2-2204958](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204958%20%5bB103%5d%20TP%20for%20initiation%20condition%20of%20notification%20message%20v1.0.doc) [B103] TP for initiation condition of notification message Lenovo discussion Rel-17

[R2-2205634](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205634%20-%20Discussion%20on%20whether%20UE%20dedicated%20PC5%20configuration%20can%20be%20configured%20in%20RRCReestablishment%20message%20(RIL%20A308,%20A906).doc) Discussion on whether UE dedicated PC5 configuration can be configured in RRCReestablishment message (RIL A308, A906) Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205635](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205635%20-%20Discussion%20on%20definition%20of%20U2N%20remote%20UE%20(RIL%20A304,%20A305,%20A307,%20A311).doc) Discussion on definition of U2N remote UE (RIL A304, A305, A307, A311) Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205685](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205685%20%5bB207%5d%5bB208%5d%20Correction%20in%20NR%20sidelink%20U2N%20Remote%20UE%20operation.docx) [B207][B208] Correction in NR sidelink U2N Remote UE operation Lenovo Mobile Com. Technology CR Rel-17 38.331 17.0.0 3112 - F NR\_SL\_relay-Core

[R2-2205774](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205774-%20%5bE082%5d%20Correction%20on%20receiving%20short%20message%20by%20remote%20UE.docx) [E082] Correction on receiving short message by remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205775](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205775-%20%5bE084%5d%5bE085%5d%20Correction%20on%20on-demand%20SIB%20for%20SL%20relay.docx) [E084][E085] Correction on on-demand SIB for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205826](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205826-SL-Setup_Reest.docx) [M116, A906, I012, I046] SL information in RRC Setup and Reestablishment messages Intel Corporation discussion Rel-17 NR\_SL\_relay-Core Late

RILs marked PropReject with ongoing discussion in pre-meeting [602]

R2-2205066 appears to be on Z618

R2-2205228 is included for E044 only (others are PropAgree)

[R2-2204678](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204678%20%5bV207%5d%5bV208%5d%20L2%20U2N%20Remote%20UE%20RRC%20re-establishment%20procedure.docx) [V207][V208] L2 U2N Remote UE RRC re-establishment procedure vivo discussion

[R2-2204680](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204680%20%5bZ684%5d%20Max%20destination%20index%20and%20resource%20allocation%20impact.docx) [Z684] Max destination index and resource allocation impact vivo discussion

[R2-2205066](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205066%20Correction%20on%20PC5%20RLC%20channel%20configuration.docx) Correction on PC5 RLC channel configuration ZTE, Sanechips CR Rel-17 38.331 17.0.0 3038 - F NR\_SL\_relay-Core

[R2-2205092](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205092%2038.331%20CR%20for%20allow%20and%20exclude%20list%20on%20eventX1(RIL%23%20S776).docx) 38.331 CR for allow and exclude list on eventX1 (RIL#:S776) Samsung CR Rel-17 38.331 17.0.0 3046 - F NR\_SL\_relay-Core

[R2-2205228](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205228%20-%2038331%20correction%20on%20RIL%20issues%20(E041,%20E043,%20E044%20and%20E045).docx) Correction on RIL issues (E041, E043, E044 and E045) Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205645](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205645%20Discussion%20on%20SIB%20configuraiton%20for%20relay%20support.doc) [A903] Discussion on SIB12 configuration for relay support Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205776](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205776-%20%5bE086%5d%20Correction%20on%20cell%20barring%20for%20SL%20relay.docx) [E086] Correction on cell barring for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205780](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205780-%20%5bE104%5d%5bE112%5d%20Correction%20on%20handling%20on%20timer%20T420.docx) [E104][E112] Correction on handling on timer T420 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

RILs discussed in pre-meeting [608]

[R2-2204679](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204679_%5bv213%5d%20Discussion%20on%20timers%20related%20issues.docx) [V213] Discussion on timers related issues vivo discussion

RILs discussed in pre-meeting [610]

[R2-2205962](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.331_draftCR(Rel-17)_R2-2205962%20-%2038.331%20RILQ539%20correction%20for%20removal%20of%20unicast%20and%20groupcast%20transmission%20mode%20for%20sidelink%20discovery.docx) RIL#Q539 - Correction on Groupcast and unicast transmission modes support for sidelink discovery Qualcomm Incorporated draftCR Rel-17 38.331 17.0.0 C NR\_SL\_relay-Core

New RILs since v192

[R2-2204962](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204962%20%5bB107%5d%20TP%20on%20unsuitale%20relay%20during%20re-establishment%20v1.0.doc) [B107] TP on unsuitable relay during re-establishment Lenovo discussion Rel-17

Rapporteur handling appears agreeable

[R2-2204677](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204677%20%5bV202%5d%5bV205%5d%20PC5%20RRC%20connection%20establishment%20and%20release%20trigger.docx) [V202][V205] PC5 RRC connection establishment and release trigger vivo discussion

[R2-2204994](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204994-38331_Correction%20on%20the%20definition%20of%20suitable%20relay%20UE.docx) Correction on the definition of suitable relay UE OPPO draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205186](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205186%20-%2038331%20correction%20on%20RIL%20E132.docx) Correction on RIL issue E132 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205646](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205646%20Discussion%20on%20relay%20UE%20notificaiton%20upon%20Uu%20RLF%20.doc) [A309] Discussion on relay UE notification upon Uu RLF Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205690](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205690%20%5bB209%5d%5bB10%5d%5bB211%5d%20Various%20corrections%20for%20Paging%20monitoring%20and%20SI%20Acquisition.docx) [B209][B10][B211] Various corrections for Paging monitoring and System Information acquisition Lenovo CR Rel-17 38.331 17.0.0 3113 - F NR\_SL\_relay-Core

[R2-2205773](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205773-%20%5bE080%5d%20Correction%20on%20UE%20states%20and%20state%20transitions%20for%20SL%20relay.docx) [E080] Correction on UE states and state transitions for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205777](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205777-%20%5bE087%5d%20Correction%20on%20paging%20reception%20by%20the%20remote%20UE.docx) [E087] Correction on paging reception by the remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205778](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205778-%20%5bE090%5d%20Correction%20on%20reconfigurationWithSync%20handling%20during%20path%20switch.docx) [E090] Correction on reconfigurationWithSync handling during path switch Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205779](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205779-%20%5bE093%5d%20Correction%20on%20new%20UE%20timers%20for%20remote%20UE.docx) [E093] Correction on new UE timers for remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

Added in skeleton v4

[R2-2206072](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206072%20%5bH810%5d%5bM106%5d%5bO075%5d%5bO076%5d%5bB207%5d%5bB208%5d%20On%20term%20of%20OoC,%20suitable%20cell,%20serving%20cell.docx) [H810][M106][O075][O076][B207][B208] On term of OoC, suitable cell, serving cell Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2206073](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206073%20%5bH808%5d%5bX200%5d%20Identification%20of%20target%20Relay%20UE‘s%20serving%20cell%20change.docx) [H808][X200] Identification of target Relay UE‘s serving cell change Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3158 - F NR\_SL\_relay-Core

[R2-2206074](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206074%20%5bH811%5d%5bN005%5dChange%20SetupRelease%20to%20optional%20for%20L2%20remote%20configuration%20in%20RRCSetup,Resume,Reestablishment.docx) [H811][N005]Change SetupRelease to optional for L2 remote configuration in RRCSetup/Resume/Reestablishment Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3159 - F NR\_SL\_relay-Core

[R2-2206075](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206075%20%5bH812%5d%5bO94%5d%5bI012%5d%20SRB1%20SRAP%20configuration%20and%20defaut%20RLC%20configuration%20at%20PC5%20hop.docx) [H812][O94][I012] SRB1 SRAP configuration and defaut RLC configuration at PC5 hop Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3160 - F NR\_SL\_relay-Core

[R2-2206076](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206076%20%5bH809%5d%5bA304%20A305%20A307%5d%20Clarification%20on%20the%20meaning%20of%20capable%20of,%20acting%20as,%20is%20L2%20U2N%20remote%20or%20relay%20UE.docx) [H809][A304, A305, A307, A311] Clarification on the meaning of acting as/capable of/is a relay UE/remote UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3171 - F NR\_SL\_relay-Core

Withdrawn/Not available

R2-2205187 Correction on RIL issues (E041, E043, E044 and E045) Ericsson discussion Rel-17 38.331 NR\_SL\_relay-Core Withdrawn

### 6.7.3 Other

Any other topics on NR sidelink relay.

MAC related

[R2-2204773](C:\\Users\\mtk16923\\Documents\\3GPP Meetings\\202205 - RAN2_118-e, Online\\Extracts\\R2-2204773.docx" \o "C:\Users\mtk16923\Documents\3GPP Meetings\202205 - RAN2_118-e, Online\Extracts\R2-2204773.docx) Miscellaneous Corrections on SL Relay CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

TR 37.985 related

[R2-2204800](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204800%20TP%20to%20introduce%20Rel-17%20sidelink%20relay%20and%20discovery%20for%20TR%2037.985.docx) TP to introduce Rel-17 sidelink relay and discovery in TR 37.985 ZTE, Sanechips draftCR Rel-17 37.985 17.1.1 NR\_SL\_relay-Core

Stage 2 related

[R2-2205432](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205432%20Corrections%20on%20stage2%20specification%20for%20sidelink%20relay.docx) Corrections on stage2 specification for sidelink relay Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0459 - F NR\_SL\_relay-Core

[R2-2205781](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205781-%20Misc%20correction%20on%2038.300%20for%20SL%20relay.docx) Misc correction on 38.300 for SL relay Ericsson draftCR Rel-17 38.300 17.0.0 F NR\_SL\_relay-Core

PDCP related

[R2-2205611](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205611%20Support%20of%20non-IP%20PDU%20type%20in%20PDCP%20protocol.doc) Support of non-IP PDU type in PDCP protocol Samsung discussion Rel-17 NR\_SL\_relay-Core

[R2-2205989](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205989_36331_CR%234814_Rel-17_Clarification%20on%20NR%20sidelink%20relay%20related%20configuration.docx) Clarification on NR sidelink relay related configuration Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4814 - F NR\_SL\_relay-Core

## 6.11 NR positioning enhancements

(NR\_pos\_enh-Core; leading WG: RAN1; REL-17; WID: RP-210903)

WI has been declared 100% complete.

### 6.11.1 Organizational

Rapporteur input. Incoming LS etc. This AI is reserved for rapporteur and organizational inputs. For LSes that need action or have impact beyond taking into account by CR rapporteurs: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided. Related documents and proposed responses from companies other than the contact company should be submitted to the corresponding technical agenda item.

Incoming LSs with RAN2 in Cc:

[R2-2204477](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204477_R4-2206980.docx) LS on lower Rx beam sweeping factor for latency improvement (R4-2206980; contact: Intel) RAN4 LS in Rel-17 To:RAN1 Cc:RAN2

Incoming LSs with RAN2 in To: and “take into account” action

[R2-2204420](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204420_R1-2202849.docx) Reply LS on positioning issues needing further input (R1-2202849; contact: CATT) RAN1 LS in Rel-17 To:RAN2 Cc:RAN3

[R2-2204424](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204424_R1-2202912.docx) Reply LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R1-2202912; contact: CATT) RAN1 LS in Rel-17 To:RAN2 Cc:RAN3, SA2

[R2-2204425](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204425_R1-2202922.docx) LS on multiple measurement instances (R1-2202922; contact: CATT) RAN1 LS in Rel-17 To:RAN2, RAN3

[R2-2204441](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2204441.zip) Response LS on determination of location estimates in local co-ordinates (S2-2201545; contact: Ericsson) SA2 LS in Rel-17 To:RAN2 Cc:RAN1, RAN3

[R2-2204464](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204464_R1-2202847.docx) LS on frequency information of SRS for positioning resources (R1-2202847; contact: CATT) RAN1 LS in Rel-17 To:RAN2, RAN3

[R2-2204508](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204508_R4-2207088.docx) Reply LS on latency improvement for PRS measurement with MG (R4-2207088; contact: Huawei) RAN4 LS in Rel-17 To:RAN2, RAN1 Cc:RAN3

[R2-2204521](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2204521.zip) Reply LS on Positioning in RRC\_INACTIVE State (S2-2203250; contact: Huawei) SA2 LS in Rel-17 To:RAN2 Cc:RAN3

Incoming LSs with RAN2 in To: and other action

[R2-2204478](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204478_R4-2206998.docx) LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) RAN4 LS in Rel-17 To:RAN1, RAN2

[R2-2204491](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204491_R3-222721.docx) Questions concerning the implementation of RAN1 agreements in NRPPa (R3-222721; contact: Ericsson) RAN3 LS in Rel-17 To:RAN1, RAN2 Cc:RAN4

[R2-2206150](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206150_Response%20LS%20from%20RTCM%20on%20GNSS%20integrity_2.docx) Response LS to RTCM SC134 on GNSS integrity (RTCM; contact: ESA) RTCM LS in Rel-17 NR\_pos\_enh-Core To:RAN2

Draft replies

[R2-2204684](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204684%20%5bDraft%5d%20Reply%20LS%20on%20the%20response%20of%20the%20positioning%20issues%20from%20RAN1(R1-2202849;%20contact%20CATT).docx) [Draft] Reply LS on the response of the positioning issues from RAN1(R1-2202849; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3

[R2-2204685](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204685%20Reply%20LS%20on%20the%20reply%20LS%20on%20Positioning%20Reference%20Units%20(PRUs)%20for%20enhancing%20positioning%20performance%20(R1-2202912%20%20contact%20CATT).docx) Reply LS on the reply LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R1-2202912; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3, SA2

[R2-2204686](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204686%20Reply%20LS%20on%20multiple%20measurement%20instances%20(R1-2202922;%20contact%20CATT).docx) Reply LS on multiple measurement instances (R1-2202922; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3

[R2-2204688](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204688%20Reply%20LS%20on%20UETRP%20TEG%20framework%20issues%20(R4-2206998;%20contact%20CATT).docx) Reply LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) CATT LS out Rel-17 To:RAN4 Cc:RAN1,RAN3

Rapporteur work plan

[R2-2204934](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204934%20Known%20corrections&issues%20for%20Rel-17%20positioning%20WI.docx) Known corrections/issues for the correction phase on Rel-17 positioning WI Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

Stage 2

[R2-2204930](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204930_Open%20issues%20on%20TS38.305%20.docx) Open issues on TS38.305 Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2204931](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204931-38.305%20CR%20for%20Positioning%20WI.docx) 38.305 CR for Positioning WI Intel Corporation draftCR Rel-17 38.305 17.0.0 F NR\_pos\_enh-Core

[R2-2204995](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204995%20Correction%20on%20stage-2%20for%20path%20RSRP.docx) Corrections on stage 2 for path RSRP Huawei, HiSilicon CR Rel-17 38.305 17.0.0 0092 - F NR\_pos\_enh-Core

38.331

[R2-2205859](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205859%20Positioning%20RRCCR.docx) Correction based upon Positioning RILs Ericsson CR Rel-17 38.331 17.0.0 3121 - F NR\_pos\_enh-Core Late

37.355

[R2-2205828](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205828_(Summary%20of%20LPP%20Updates).docx) Summary of LPP Updates and Open Issues Qualcomm Incorporated discussion

[R2-2205829](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205829_(draft%20CR%2037355%20LPP%20Updates).docx) LPP Updates Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

Withdrawn/Not available

R2-2204687 Reply LS on frequency information of SRS for positioning resources (R1-2202847; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3 Late

=> Withdrawn

### 6.11.2 Essential corrections

No documents should be submitted to 6.11.2. Please submit to 6.11.2.x.

#### 6.11.2.1 Latency enhancements

Enhancements of signalling, and procedures for improving positioning latency of the Rel-16 NR positioning methods, for DL and DL+UL positioning methods.

Summary document

[R2-2206147](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206147%20Summary%20of%20AI%206.11.2.1%20on%20latency.docx) Summary of AI 6.11.2.1 on latency ZTE Corporation discussion Rel-17 NR\_pos\_enh-Core

* Revised in R2-2206340

R2-2206340 Summary of AI 6.11.2.1 on latency ZTE, Sanechips discussion Rel-17 NR\_pos\_enh-Core

The following documents will not be individually treated

[R2-2204699](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204699%20Discussion%20on%20the%20positioning%20MG%20activation%20deactivation%20MAC%20CE.docx) Discussion on the positioning MG activation deactivation MAC CE CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204700](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.321_CR1229_(Rel-17)_R2-2204700.docx) Correction on the positioning MG activation deactivation MAC CE CATT CR Rel-17 38.321 17.0.0 1229 - F NR\_pos\_enh-Core

[R2-2204701](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204701%20Discussion%20on%20the%20cancel%20conditions%20of%20the%20triggered%20UL%20positioning%20MG%20activation%20deactivation%20MAC%20CE.docx) Discussion on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204702](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.321_CR1230_(Rel-17)_R2-2204702.docx) Correction on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT CR Rel-17 38.321 17.0.0 1230 - F NR\_pos\_enh-Core

[R2-2204703](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.331_CR2996_(Rel-17)_R2-2204703.docx) Correction on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT CR Rel-17 38.331 17.0.0 2996 - F NR\_pos\_enh-Core

[R2-2204742](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.321_CR1228_(Rel-17)_R2-2204742.docx) Corrections on the TS38.321 CATT CR Rel-17 38.321 17.0.0 1228 - F NR\_pos\_enh-Core

[R2-2204996](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204996%20Corrections%20on%20MAC%20CE%20for%20Preconfigured%20Positioning%20MG.docx) Corrections on MAC CE for Positioning Measurement Gap Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1244 - F NR\_pos\_enh-Core

[R2-2205309](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205309%20Correction%20on%20pre-configured%20MG%20procedure%20in%2038.321.docx) Correction on pre-configured MG procedure in 38.321 ZTE, Sanechips CR Rel-17 38.321 17.0.0 1271 - F NR\_pos\_enh-Core

[R2-2205311](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205311%20Discussion%20on%20the%20pre-configured%20MG%20signaling.docx) Discussion on the pre-configured MG signaling ZTE, Sanechips discussion Rel-17 NR\_pos\_enh-Core

[R2-2205579](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205579%20Discussion%20on%20the%20handling%20of%20pre-MG%20for%20positioning.docx) Discussion on the handling of pre-MG for positioning vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205656](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38321_CR1278_(Rel-17)_R2-2205656-Pos-meas-Gap-CE-v0.docx) Definition of positioning measurement gap activation/deactivation MAC CE Apple CR Rel-17 38.321 17.0.0 1278 - F NR\_pos\_enh-Core

[R2-2205764](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205764_(Issues%20with%20PPW).docx) Issues with PRS Processing Window Procedures Qualcomm Incorporated discussion

[R2-2205766](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205766_(Area%20ID).docx) Assistance Data Request for Multiple Area IDs Qualcomm Incorporated discussion

[R2-2205804](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205804%20areaID.docx) Text Proposal to address UE request of Area Info and Broadcast of Area Ericsson, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility discussion Rel-17

* Revised in R2-2206331

R2-2206331 Text Proposal to address UE request of Area Info and Broadcast of Area Ericsson, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility discussion Rel-17

[R2-2205808](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205808%20activate%20PPW.docx) Correction to activate pre-configured PPW Signaling Ericsson CR Rel-17 38.305 17.0.0 0097 - F NR\_pos\_enh-Core

[R2-2205809](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205809%20Correction%20MACCE.docx) Correction of PPW Activation/Deactivation Command MAC CE size description Ericsson CR Rel-17 38.321 17.0.0 1285 - F NR\_pos\_enh-Core

[R2-2205810](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205810%20Clarification%20on%20PPW%20and%20MG%20.docx) Clarification on PPW and MG configuration to the same UE and miscellaneous corrections Ericsson CR Rel-17 38.305 17.0.0 0098 - F NR\_pos\_enh-Core

[R2-2205812](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205812%20UL%20MAC%20CE%20Design.docx) UL MAC CE for preconfigured MG Ericsson discussion Rel-17

[R2-2205814](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205814%20PPW%20ConfigRelease.docx) On PPW Configuration Release assistance info Ericsson discussion Rel-17

Withdrawn/Not available

R2-2204704 Corrections on the TS38.305 CATT CR Rel-17 38.305 17.0.0 0090 - F NR\_pos\_enh-Core Late

* Withdrawn

#### 6.11.2.2 RRC\_INACTIVE

Methods, measurements, signalling and procedures to support positioning for UEs in RRC\_ INACTIVE state, for UE-based and UE-assisted positioning solutions. UL and DL+UL NR positioning methods and gNB positioning measurements for UEs in RRC\_INACTIVE are treated at lower priority.

Summary document

[R2-2206052](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206052%20Summary%20of%20AI%206.11.2.2%20on%20RRC_INACTIVE.docx) Summary of AI 6.11.2.2 on RRC\_INACTIVE vivo discussion Rel-17 NR\_pos\_enh-Core

The following documents will not be individually treated

[R2-2204691](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204691%20Further%20consideration%20on%20Periodic%20and%20Triggered%205GC-MT-LR.docx) Further consideration on Periodic and Triggered 5GC-MT-LR Procedure in RRC INACTIVE state CATT discussion

[R2-2204692](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204692%20%5bDraft%5d%20Reply%20LS%20on%20Positioning%20in%20RRC_INACTIVE.DOCX) [Draft] Rely LS on Positioning in RRC\_INACTIVE CATT LS out Rel-17 To:SA2 Cc:RAN3

[R2-2204693](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204693%20Consideration%20on%20positioning%20SRS%20configuration.docx) Consideration on positioning SRS configuration for RRC\_INACTIVE CATT discussion

[R2-2205012](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205012%20Correction%20to%20beam%20consolidation%20for%20posSRS%20in%20RRC_INACTIVE.docx) Correction to beam consolidation for posSRS in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1245 - F NR\_pos\_enh-Core

[R2-2205013](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205013%20%5bH572%5d%20Correction%20for%20beam%20consolidation%20for%20TA%20validation%20in%20RRC_INACTIVE.docx) [H572] Correction for beam consolidation for TA validation in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3030 - F NR\_pos\_enh-Core

[R2-2205368](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205368%20Corrections%20on%20Maintenance%20of%20Uplink%20Time%20Alignment.doc) Corrections on Maintenance of Uplink Time Alignment Xiaomi discussion

[R2-2205580](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205580%20Discussion%20on%20remaining%20issue%20about%20positioning%20in%20RRC_INACTIVE.docx) Discussion on the remaining issue about positioning in RRC\_INACTIVE vivo discussion Rel-17 NR\_pos\_enh-Core

#### 6.11.2.3 On-demand PRS

Specify UE-initiated and LMF-initiated on-demand transmission and reception of DL PRS for DL and DL+UL positioning for UE-based and UE-assisted positioning solutions.

Summary document

R2-2206058 [Pre118-e][605][POS] Summary of AI 6.11.2.3 on on-demand PRS (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

The following documents will not be individually treated

[R2-2205007](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205007%20%5bH011%5d%20TRP%20config%20for%20on-demand%20PRS.docx) [H011] TRP config for on-demand PRS Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0342 - F NR\_pos\_enh-Core

[R2-2205011](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205011%20%5bH057%5d%20Discussion%20on%20UE-initiated%20on-demand%20PRS.docx) [H057] Discussion on UE-initiated on-demand PRS Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2205581](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205581%20Mismatch%20between%20the%20on-demand%20PRS%20procedure%20of%20RAN2%20and%20RAN3.docx) Discussion on the mismatch between the on-demand PRS procedure of RAN2 and RAN3 vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205805](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205805%20ODPRS.docx) On UE measurements to allow On-Demand PRS Ericsson, Nokia, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility CR Rel-17 38.305 17.0.0 0095 - F NR\_pos\_enh-Core

#### 6.11.2.4 GNSS positioning integrity

Signalling and procedures to support GNSS positioning integrity determination.

Summary document

[R2-2206092](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206092%20-%20Summary%20AI%20GNSS%20Integrity.docx) Summary of GNSS Positioning Integrity AI 6.11.2.4 Ericsson discussion Rel-17 NR\_pos\_enh-Core

The following documents will not be individually treated

[R2-2204997](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204997%20Draft%20LS%20to%20SA1%20and%20SA2%20on%20GNSS%20integrity.docx) Draft LS to SA1/SA2 on GNSS integrity Huawei, HiSilicon LS out Rel-17 NR\_pos\_enh-Core To:RAN1

[R2-2205017](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205017%20Correction%20to%20stage2%20on%20service%20level%20support%20for%20GNSS%20integrity.docx) Correction to stage2 on service level support for GNSS integrity Huawei, HiSilicon CR Rel-17 38.305 17.0.0 0093 - F NR\_pos\_enh-Core

[R2-2205488](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205488_(6.11.2.4)%20CR_38305_Corrections%20on%20Positioning%20Integrity%20parameter%20table.docx) Corrections on Positioning Integrity parameter table Samsung R&D Institute UK draftCR Rel-17 38.305 17.0.0 NR\_pos\_enh-Core

[R2-2205815](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205815%20integrity.docx) Remaining issues for integrity Ericsson discussion Rel-17

[R2-2206037](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\37.355_CR0348_(Rel-17)_R2-2206037.docx) [C002] Correction on the Note of the Protection Level (PL) CATT CR Rel-17 37.355 17.0.0 0348 - F NR\_pos\_enh-Core

=> Revised in R2-2206067

[R2-2206067](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\37.355_CR0348r1_(Rel-17)_R2-2206067.docx) [C002] Correction on the Note of the Protection Level (PL) CATT CR Rel-17 37.355 17.0.0 0348 1 F NR\_pos\_enh-Core

#### 6.11.2.5 A-GNSS enhancements

Including support of BDS B2a and B3I signals and support of NavIC.

[R2-2204689](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\36.305_CR0108_(Rel-17)_R2-2204689.docx) Correction on the reference file of BDS Signal B3I CATT, CAICT CR Rel-17 36.305 17.0.0 0108 - F NR\_pos\_enh-Core

[R2-2204690](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.305_CR0087_(Rel-17)_R2-2204690.docx) Correction on the reference file of BDS Signal B3I CATT, CAICT CR Rel-17 38.305 17.0.0 0087 - F NR\_pos\_enh-Core

#### 6.11.2.6 Accuracy enhancements

Input on the accuracy enhancement objectives led by RAN1.

Summary document

[R2-2206083](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206083%20%5bPre118-e%5d%5b607%5d%5bPOS%5d%20Summary%20of%20AI%206.11.2.6%20on%20accuracy%20(CATT).docx) [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

* Revised in R2-2206333

[R2-2206333](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206333%20%5bPre118-e%5d%5b607%5d%5bPOS%5d%20Summary%20of%20AI%206.11.2.6%20on%20accuracy%20(CATT).docx) [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

The following documents will not be individually treated

[R2-2204696](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204696-Discussion%20on%20R17%20positioning%20enhancement%20impacts%20on%20stage-2%20specification.docx) Discussion on R17 positioning enhancement impacts on stage-2 specification CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204697](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.305_CR0091_(Rel-17)_R2-2204697.docx) Introduction of R17 NRPPa related positioning enhancement to TS38.305 CATT CR Rel-17 38.305 17.0.0 0091 - F NR\_pos\_enh-Core

[R2-2204698](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204698%20%5bDraft%5d%20LS%20to%20RAN3%20on%20introduction%20of%20R17%20NRPPa%20related%20positioning%20enhancement%20to%20TS38.305.docx) [Draft] LS to RAN3 on introduction of R17 NRPPa related positioning enhancement to TS38.305 CATT LS out Rel-17 To:RAN3

[R2-2204705](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204705%20Discussion%20on%20the%20LS%20on%20the%20framework%20of%20UETRP%20Rx%20TEG.DOCX) Discussion on the LS on the framework of UE/TRP Rx TEG CATT discussion Rel-17

[R2-2204706](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204706%20Discussion%20on%20the%20left%20issues%20on%20UE%20TxTEG%20report%20in%20RRC%20and%20LPP%20protocols.DOCX) Discussion on the left issues on UE TxTEG report in RRC and LPP protocols CATT discussion

[R2-2204707](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38.331_CR2994_(Rel-17)_R2-2204707.docx) [C243] Correction on the UE TxTEG report in TS 38.331 CATT CR Rel-17 38.331 17.0.0 2994 - F NR\_pos\_enh-Core

[R2-2204708](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\37.355_CR0335_(Rel-17)_R2-2204708.docx) [C013][C014][C015][C016][C017]Corrections on the UE TxTEG report in TS 37.355 CATT CR Rel-17 37.355 17.0.0 0335 - F NR\_pos\_enh-Core

[R2-2204987](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\37.355_CR0336_(Rel-17)_R2-2204987.docx) [C011] Correction on the beam antenna information for DL-AoD CATT CR Rel-17 37.355 17.0.0 0336 - F NR\_pos\_enh-Core

[R2-2204988](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\37.355_CR0337_(Rel-17)_R2-2204988.docx) [C012] Correction on the selected on-demand PRS configuration for hybrid positioning CATT CR Rel-17 37.355 17.0.0 0337 - F NR\_pos\_enh-Core

[R2-2205003](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205003%20%5bH028%5d%20Correction%20to%20measurement%20with%20multiple%20TEGs.docx) [H028] Correction to measurement with multiple TEGs Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0338 - F NR\_pos\_enh-Core

[R2-2205004](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205004%20%5bH026%5d%5bH027%5d%5bH029%5d%5bH030%5d%20Correction%20to%20LOS-NLOS%20indication.docx) [H026][H027][H029][H030] Correction to LOS-NLOS indication Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0339 - F NR\_pos\_enh-Core

[R2-2205005](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205005%20%5bH006%5d%5bH040%5d%20Correction%20to%20adjacent%20beam%20assistance%20data.docx) [H006][H040] Correction to adjacent beam assistance data Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0340 - F NR\_pos\_enh-Core

[R2-2205008](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205008%20%5bH013%5d%20Correction%20to%20TRP%20beam%20antenna%20info.docx) [H013] Correction to TRP beam antenna info Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0343 - F NR\_pos\_enh-Core

[R2-2205016](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205016%20%5bH060%5d%20Correction%20on%20DL-AoD%20additional%20measurement.docx) [H060] Correction on DL-AoD additional measurement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3033 - F NR\_pos\_enh-Core

[R2-2205307](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205307%20%5bH026%5d%5bH029%5d%5bZ004%5dDiscussion%20on%20LOS%20NLOS%20indicator%20in%20LPP%20spec.docx) [H026][H029][Z004]Discussion on LOS NLOS indicator in LPP spec ZTE, Sanechips CR Rel-17 37.355 17.0.0 0344 - F NR\_pos\_enh-Core

=> Revised in R2-2206051

[R2-2206051](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206051%20%5bH026%5d%5bH029%5d%5bZ004%5dDiscussion%20on%20LOS%20NLOS%20indicator%20in%20LPP%20spec.docx) [H026][H029][Z004]Discussion on LOS NLOS indicator in LPP spec ZTE, Sanechips CR Rel-17 37.355 17.0.0 0344 1 F NR\_pos\_enh-Core

[R2-2205308](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205308%20%5bZ003%5d%5bH025%5dSignaling%20of%20measurement%20instances.docx) [Z003][H025]Signaling of measurement instances ZTE, Sanechips CR Rel-17 37.355 17.0.0 0345 - F NR\_pos\_enh-Core

[R2-2205369](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205369%20Discussion%20on%20the%20Periodic%20Tx%20TEG%20reporting%20and%20preconfigured%20MG.doc) Discussion on the Periodic Tx TEG reporting and preconfigured MG Xiaomi discussion

[R2-2205370](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205370%20Remaining%20issues%20on%20positioning%20reference%20unit.doc) Remaining issues on positioning reference unit Xiaomi discussion

[R2-2205582](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205582%20Discussion%20on%20remaining%20issue%20about%20accuracy%20enhancements.docx) Discussion on remaining issue about accuracy enhancements vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205654](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205654-positioning-periodic-tx-teg-v0.docx) On periodic UE Tx TEG reporting Apple discussion Rel-17 NR\_pos\_enh-Core

[R2-2205730](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205730%20(R17%20NR%20POS%20WI%20A61126_AccEnh).doc) Discussion on UE TX TEG association reporting InterDigital, Inc. discussion Rel-17

[R2-2205806](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205806%20Failure%20Report%20for%20TEG.docx) Remaining Issues on TEG reporting; failure Handling Ericsson discussion Rel-17

[R2-2205807](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205807%20TableUpdate.docx) Update of signalling in stage 2 to align with NRPPa Ericsson CR Rel-17 38.305 17.0.0 0096 - B NR\_pos\_enh-Core

#### 6.11.2.7 UE capabilities

[R2-2204933](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204933_Positioning%20UE%20capabilities.docx) Positioning UE capabilities Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2205009](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205009%20%5bH022%5d%20Summary%20of%20R2-agreed%20Capabilities%20for%20R17%20POSenh.docx) [H022] Summary of R2-agreed capabilities for R17 POSenh Huawei, HiSilicon CR Rel-17 38.822 16.3.0 0010 - B NR\_pos\_enh-Core

[R2-2206330](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206330%20PPW%20Capability.docx) On Resolving PPW Capability discrepancy Ericsson discussion

#### 6.11.2.8 LPP ASN.1 issues

Any contributions related only to the details of ASN.1 in 37.355. CRs should not be submitted to this agenda item except by the specification rapporteur.

ASN.1 review process documents

[R2-2205843](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2205843.zip) Rel-17 LPP RIL Qualcomm Incorporated discussion

* Revised in R2-2206326

[R2-2206326](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2206326.zip) Rel-17 LPP RIL Qualcomm Incorporated discussion

[R2-2205844](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2205844.zip) Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

* Revised in R2-2206327

[R2-2206327](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2206327.zip) Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

[R2-2205846](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205846_(draft%20CR%2037355%20Editorial%20Issues).docx) Editorial Corrections Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

R2-2205847 LPP Updates and ASN.1 Corrections Qualcomm Incorporated CR Rel-17 37.355 17.0.0 0347 - F NR\_pos\_enh-Core Late

[R2-2206328](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2206328_(draft%20CR%2037355%20LPP%20Updates).docx) LPP Updates and ASN.1 Review Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

Proposals on RIL issues

[R2-2204932](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204932_I004%20Validity%20area%20for%20preconfigured%20AD.docx) I004 Validity area for preconfigured AD Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2205010](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205010%20%5bH042%5d%5bH004%5d%5bH012%5d%5bH025%5d%20Draft%20LS%20to%20R1%20for%20remaining%20issues.docx) [H042][H004][H012][H025] Draft LS to R1 for remaining issues Huawei, HiSilicon LS out Rel-17 NR\_pos\_enh-Core To:SA1, SA2

[R2-2205430](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205430.docx) Discussion of the need of the area ID for the pre-configured assistance data OPPO discussion Rel-17 NR\_pos\_enh-Core

[R2-2205583](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205583%20%5bV003%5d%20Discussion%20on%20the%20format%20of%20pre-configuration.docx) [V003] Discussion on the format of pre-configuration vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205584](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205584%20%5bV004%5d%5bV006%5dDiscussion%20on%20LPP%20ASN.1%20issues.docx) [V004][V006]Discussion on LPP ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205813](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205813%20LPP%20RIL%20E603-E604.docx) LPP RIL E603 and 604 on associated TRP Ericsson discussion Rel-17 37.355 Late

#### 6.11.2.9 Positioning RRC ASN.1 issues

Any contributions related only to the details of positioning-specific ASN.1 in 38.331.

ASN.1 review process documents

[R2-2205857](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Docs\R2-2205857.zip) RRC Positioning RIL Summary Ericsson discussion Rel-17 Late

Measurement gap issues

[R2-2205000](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205000%20%5bH566%5d%5bH567%5d%20Correction%20for%20Location%20Measurement%20Indication.docx) [H566][H567] Correction for Location Measurement Indication Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3027 - F NR\_pos\_enh-Core

[R2-2205048](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205048%20%5bS854%5d%5bS855%5d%5bS856%5d%20Handling%20pre-MG%20for%20POS%20upon%20HO.docx) [S854][S855][S856] Handling preconfigured gaps for POS upon a handover Samsung discussion Rel-17 NR\_pos\_enh-Core

[R2-2205310](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205310%20Correction%20on%20pre-configured%20MG%20procedure%20in%2038.331.docx) Correction on pre-configured MG procedure in 38.331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 3066 - F NR\_pos\_enh-Core

RILs marked as ToDisc

[R2-2204999](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204999%20%5bH570%5d%20Correction%20for%20cell%20reselection%20for%20SRS%20in%20RRC_INACTIVE.docx) [H570] Correction for cell reselection for SRS in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3026 - F NR\_pos\_enh-Core

[R2-2205811](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205811%20RIL%20E064%20TEG%20Reporting.docx) [RILE064] Moving TEG Reporting Configuration from SRS-Config to RRCReconfig Ericsson CR Rel-17 38.331 17.0.0 3118 - F NR\_pos\_enh-Core

[R2-2205816](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205816%20E060.docx) [RIL E060] On removal of Editors' Note for SRS Inactive mode procedure during RRC Resume Ericsson discussion Rel-17 38.331 Late

[R2-2205817](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205817%20RILE061.docx) [RIL E060] Editors Note Discussion on RRC Procedure Structure on section Ericsson discussion Late

Documents on other RIL issues

[R2-2204998](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2204998%20%5bH568%5d%20Correction%20for%20periodic%20TEG%20reporting.docx) [H568] Correction for periodic TEG reporting Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3025 - F NR\_pos\_enh-Core

[R2-2205001](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205001%20%5bH563%5d%20Correction%20for%20reception%20of%20RRCRelease%20by%20the%20UE.docx) [H563]Correction for reception of RRCRelease by the UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3028 - F NR\_pos\_enh-Core

[R2-2205049](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205049%20%5bS851%5d%5bS852%5d%5bS853%5d%20Type%20and%20prioirty%20configuration%20of%20PPW.docx) [S851][S852][S853] Type and priority configuration of PPW Samsung discussion Rel-17 NR\_pos\_enh-Core

[R2-2205498](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205498_(6.11.2.9)%20%5bE066%5d%20Correction%20on%20structure%20of%20UEPositioningAssistInfo%20message%20contents%20for%20reducing%20unnecessary%20data%20transmission.docx) [E066] Correction on structure of UEPositioningAssistInfo message contents for reducing unnecessary data transmission Samsung R&D Institute UK discussion

[R2-2205585](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205585%20Discussion%20on%20positioning%20RRC%20ASN.1%20issues.docx) Discussion on positioning RRC ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

### 6.11.3 Other

Any other topics on NR positioning enhancements.

[R2-2205006](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205006%20%5bH056%5d%20Correction%20to%20need%20code%20in%20posSIB_R17.docx) [H056] Correction to need code in posSIB\_R17 Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0341 - F NR\_pos\_enh-Core

[R2-2205655](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\38305_CR0094_(Rel-17)_R2-2205655-Pos-stage-2-UL-UE-TEG-v0.docx) Stage-2 positioning corrections Apple CR Rel-17 38.305 17.0.0 0094 - F NR\_pos\_enh-Core

## 6.21 TEI17

Time budget: 2 TU

### 6.21.2 TEI proposals initiated by RAN2

Proposals that has not yet been agreed.

Tdoc limitation: 2 tdocs, except for Operators.

[R2-2205845](file:///C:\Users\mtk16923\Documents\3GPP%20Meetings\202205%20-%20RAN2_118-e,%20Online\Extracts\R2-2205845%20Remaining%20details%20for%20high-precision%20GNSS%20reporting.docx) Remaining details for high-precision GNSS reporting ESA, Ericsson, Deutsche Telekom, T-Mobile USA, Swift Navigation, Hexagon discussion Rel-17 37.355