3GPP TSG-RAN WG2 Meeting #118 electronic R2-2xxxxxx

Online, May, 2022

Source: RAN2 Chairman (MediaTek)

Title: Skeleton Notes

# AT-Meeting Email / Offline Discussion List, Main Session

Discussions with Deadline **Schedule 1**:

A **first round** with **Deadline for comments W1 Thursd May 12th 1200 UTC** to settle scope what is agreeable etc

A Final round with **Final deadline W2 Wednesd May 18th 1200 UTC** to settle details / agree CRs etc.

Additional deadlines check points etc if needed are defined by the Rapporteur of each discussion respectively. In case some parts of an email discussion need more time, doesn’t converge, need on-line treatment, then please contact the chair.

* [AT118-e][000] Organizational Main (Chair)

Scope: Opening and closing of the meeting, Treat AIs 1 & 2, LSes that do not need actions. Anything going beyond other discussions can be raised, for the meeting or Main session.

Deadline: EOM

Discussions [001] – [012] were used for Pre-discussions.

* [AT118-e][013][NR1516] Stage-2 (ZTE)

Scope: Treat R2-2205923, R2-2205924, R2-2206110, R2-2206111, R2-2205978, R2-2205979, R2-2205990  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][014][NR1516] User Plane (Samsung)

Scope: Treat R2-2204755, R2-2204756, R2-2204757, R2-2205682, R2-2205717, R2-2205718, R2-2205715, R2-2205716,  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][015][NR1516] p-MaxEutra and p-NR-FR1 (Huawei)

Scope: Treat R2-2204411, R2-2204648, R2-2204453, R2-2205404, R2-2205513, R2-2204649

Ph1 Determine agreeable parts, Ph2 approve reply LS (offline, CB online only if necessary).

Intended outcome: Report, Approved LS out

Deadline: Schedule 1

* [AT118-e][016][NR1516] Connection Control I (Ericsson)

Scope: Treat R2-2205965, R2-2205966, R2-2205867, R2-2205406, R2-2205407, R2-2205868, R2-2205614, R2-2205586, R2-2205599

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][017][NR1516] Connection Control II (Huawei)

Scope: Treat R2-2204920, R2-2204921, R2-2206145, R2-2206146, R2-2204917, R2-2204918, R2-2204919, R2-2205251, R2-2205252, R2-2205617, R2-2205624

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][018][NR1516] RRM and measurements (Apple)

Scope: Treat R2-2204483, R2-2205678, R2-2206093, R2-2205294, R2-2205295, R2-2205296, R2-2205297, R2-2205213, R2-2205214, R2-2204611, R2-2204612, R2-2204613

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][019][NR1516] CP Miscellanous (vivo)

Scope: Treat R2-2204902, R2-2205428, R2-2205429, R2-2204845, R2-2204846, R2-2205827, R2-2204728, R2-2204729, R2-2204845, R2-2204846, R2-2205827, R2-2204728, R2-2204729, R2-2205503, R2-2205504, R2-2205298, R2-2205299, R2-2205300

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][020][NR1516] UE capabilities I (NTT DOCOMO)

Scope: Treat R2-2205118, R2-2205119, R2-2205121, R2-2204472, R2-2206063, R2-2206064, R2-2204419, R2-2204840, R2-2204841, R2-2205451, R2-2205452, R2-2206000, R2-2206001

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][021][NR1516] UE capabilities II (Huawei)

Scope: Treat R2-2206002, R2-2204485, R2-2205558, R2-2205559, R2-2205560, R2-2205561, R2-2205453, R2-2205556, R2-2205557, R2-2205984, R2-2205985,

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][022][NR1516] Idle/Inactive mode (Qualcomm)

Scope: Treat R2-2205946, R2-2205945

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][023][NR17] RRC I (Ericsson)

Scope: Treat R2-2206084, R2-2206985. Take into account also other agreements that should be captured in the Rapporteur CR. Treat R2-2205969, R2-2205970, R2-2205971 to the extent needed to progress the CR. Take into account other meeting agreements to be captured in the Rapporteur general CR.

Intended outcome: initial endorsement of submitted CR, in the end agreed CR including updates for meeting agreements. Report.

Deadline: Rapporteur set

* [AT118-e][024][NR17] RRC II (Nokia)

Scope: Treat R2-2205433, R2-2205434.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR.

Deadline: Rapporteur Set

* [AT118-e][025][NR17] RRC issues (Huawei)

Scope: Treat R2-2205397, R2-2205196, R2-2205684, R2-2206131, R2-2205015. Determine agreeable parts, for agreeable parts make agreeable TPs for merge with Rapporteur CR. If modifications from R2-2205015 are needed also for Rel-16, this need to be a separate CR.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR, agreeable CR(s) if applicable.

Deadline: Schedule 1

* [AT118-e][026][NR17] UE caps main (Intel)

Scope: Treat R2-2204838, R2-2204839, R2-2005657, R2-2005658. Treat incoming LSes. Merge agreed WI specific draft CRs.

Intended outcome: In the end agreed Mega CRs, Intermediate outcomes spec by Rapporteur.

Deadline: Rapporteur

* [AT118-e][027][NR17] Gap Coordination (MediaTek)

Scope: Treat R2-2205290, R2-2205768, R2-2206011 and other relevant input if any.

Intended outcome: Report (expect to progress TPs W2 if applicable).

Deadline: W1 Friday (online CB W2 Monday if needed).

* [AT118-e][028][NR17] Priority of MAC CEs (LGE)

Scope: Treat R2-2204887, R2-2205261, R2-2206038. Ph1 Determine agreeable parts. Ph2 For agreeable parts progress and agree a CR.

Intended outcome: Report, Agreed CR (if applicable)

Deadline: Schedule 1 (CB W2 if needed)

* [AT118-e][029][MBS] CP Broadcast (Huawei)

Scope: Treat R2-2204604, R2-2204605, R2-2205112, R2-2205462, R2-2205747, R2-2206091, R2-2206108, R2-2204608, R2-2204682, R2-2205174, R2-2205215, R2-2205671, R2-2204607, R2-2204606, R2-2204829, R2-2205539, R2-2205744, R2-2205458, R2-2204681, R2-2205111, R2-2206159, R2-2206122, R2-2205712,

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Friday

* [AT118-e][030][MBS] CP other (CATT)

Scope: Treat R2-2204669, R2-2204827, R2-2205749, R2-2204670, R2-2204828, R2-2205249, R2-2205632, R2-2206123, R2-2205626, R2-2206124, R2-2204830, R2-2205627, R2-2204668, R2-2205745

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

* [AT118-e][031][MBS] MAC (OPPO)

Scope: Treat R2-2205483, R2-2205129, R2-2205122, R2-2204609, R2-2204833, R2-2205457, R2-2205218, R2-2205437, R2-2205447, R2-2205540, R2-2204667, R2-2204744, R2-2204832, R2-2204969, R2-2205156, R2-2205449, R2-2205035, R2-2205154, R2-2205480, R2-2204831, R2-2204834, R2-2204891, R2-2204904, R2-2204905, R2-2205628, R2-2205629, R2-2205673, R2-2205709, R2-2205713, R2-2205128, R2-2205481, R2-2205748

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Friday

* [AT118-e][032][MBS] PDCP (Xiaomi)

Scope: Treat R2-2204626, R2-2204683, R2-2204906, R2-2205714, R2-2205630, R2-2205479, R2-2205155, R2-2205454, Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

* [AT118-e][033][MBS] UE capabilites (MediaTek)

Scope: Treat R2-2204625, R2-2204907, R2-2205541, R2-2205746, R2-2205750, R2-2205855, R2-2205939, R2-2206114. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

* [AT118-e][034][MBS] Other (ZTE)

Scope: Treat R2-2205625, R2-2205672, R2-2205482, R2-2205631, R2-2205484, R2-2205456. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

* [AT118-e][035][eNPN] Corrections (Nokia)

Scope: Treat all tdocs under 6.16. ph1 determine agreeable parts. Ph2 agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][036][TEI17] CHO with SCG (CATT)

Scope: Treat R2-2204494, R2-2204935, R2-2205282, R2-2205472, R2-2205473, R2-2205474, R2-2205475, R2-2205532, R2-2206004, R2-2206005

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

* [AT118-e][037][NR17] TEI corrections (ZTE)

Scope: Treat R2-2205647, R2-2205417, R2-2205418, R2-2205563

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

* [AT118-e][038][UDC] UDC Corrections (CATT)

Scope: Treat R2-2204492, R2-2205071, R2-2205719, R2-2206096, R2-2206148, R2-2206149. Ph1 Determine agreeable part, Ph2 for agreeable parts agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1 (if needed CB online W2)

* [AT118-e][039][NR17] n77 Canada (Nokia)

Scope: Treat R2-2204459, R2-2205393, R2-2205394, R2-2205395, R2-2205396, R2-2205450, Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][040][NR17] PUCCH Group (Huawei)

Scope: Treat R2-2204443, R2-2205980, R2-2205981, R2-2205982, R2-2205983, R2-2204601, R2-2204600

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][041][NR17] FR2 UL gap (Apple)

Scope: Treat R2-2205666, R2-2204507, R2-2205659, R2-2205667, R2-2205392

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][042][NR17] FR2 CA BW Classes and CBM/IBM (Nokia)

Scope: Treat R2-2204854, R2-2205562, R2-2204850, R2-2204851, R2-2204889, R2-2204890

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][043][NR17] CRS interference mitigation (China Telecom)

Scope: Treat R2-2204489, R2-2204980, R2-2204981, R2-2204982, R2-2205388, R2-2205389, R2-2205390, R2-2205391,

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][044][NR17] Dual PA (OPPO)

Scope: Treat R2-2204501, R2-2204629, R2-2204630, R2-2204631, R2-2205380, R2-2205381, R2-2205382, R2-2205383, R2-2205384, R2-2205516, R2-2205514, R2-2205515

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][045][NR17] DC Location Report (Qualcomm)

Scope: Treat R2-2204506, R2-2205266, R2-2205386, R2-2205387, R2-2205735, R2-2205517, R2-2205518,

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][046][NR17] n77 and DSS (Ericsson)

Scope: Treat R2-2205871 - R2-2205875, R2-2205511.

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][047][NR17] MINT (Ericsson)

Scope: Treat R2-2204510, R2-2204527, R2-2204529, R2-2205869, R2-2205520, R2-2205618, R2-2205867, R2-2205868, R2-2205992, R2-2205993, R2-2206049, R2-2206050. Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][048][IOTNTN] New Issues (OPPO)

Scope: Treat R2-2204740, R2-2205725, R2-2204741.

Ph1 determine agreeable part, Ph2 endorse TP

Intended outcome: Report, Endorsed TP (if applicable)

Deadline: Schedule 1 (CB online W2 if needed)

* [AT118-e][049][IoTNTN] User Plane (Interdigital)

Scope: Treat R2-2205161, R2-2205328, R2-2205724, R2-2205959, R2-2205996

Ph1 Determine agreeable parts, for Agreeable parts endorse TP/Draft CR.

Intended outcome: Report, Endorsed TP(s).

Deadline: Schedule 1 (CB online W2 if needed)

* [AT118-e][050][IoTNTN] Miscellaneous (ZTE)

Scope: Treat R2-2205146, R2-2205330, R2-2205830, R2-2204652, R2-2205329, R2-2204654,

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

* [AT118-e][051][IoT NTN] Idle Inactive Mode (Ericsson)

Scope: Treat R2-2204711, R2-2205250, R2-2205331, R2-2205861, R2-2204651

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

# 1 Opening of the meeting

**This e-Meeting**

- This e-Meeting follows 3GPP principles for e-Meetings.

- RAN2 118 electronic has full decision power, i.e. full decision power to make agreements and approvals according to RAN WG2 terms of reference, without any need to ratify decisions at a later RAN2 or other meeting.

## 1.1 Call for IPR

|  |
| --- |
| The attention of the delegates of this Working Group is drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners **to inform their respective Organizational Partners of Essential IPRs** they become aware of.  The delegates were asked to take note that they were hereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (https://www.etsi.org/images/files/IPR/etsi-ipr-form.doc) |

NOTE: IPRs may be declared to the Director-General or Chairman of the SDO, but not to the RAN WG2 Chairman.

## 1.2 Network usage conditions

1/ To avoid email system overload, please don’t attach files and documents to emails e.g. for offline email discussions, but instead use files placed on the ftp server instead. Inbox/Drafts folder is used for AT-meeting offline discussions.

## 1.3 Other

|  |
| --- |
| In accordance with the Working Procedures it is reaffirmed that:  (i) compliance with all applicable antitrust and competition laws is required;  (ii) timely submissions of work items in advance of TSG or WG meetings are important to allow for full and fair consideration of such matters; and  (iii) the chairman will conduct the meeting with strict impartiality and in the interests of 3GPP |

Note on (i): In case of question please contact your legal counsel.

Note on (ii): WIDs don’t need to be submitted to the RAN2 meeting and will typically not be discussed here either.

# 2 General

## 2.1 Approval of the agenda

R2-2204400 Agenda for RAN2#118-e Chairman agenda

## 2.2 Approval of the report of the previous meeting

R2-2204401 RAN2#117-e Meeting Report MCC report Late

R2-2204402 RAN2 Rel-17 ASN.1 AdHoc Meeting Report MCC report Late

## 2.3 Reporting from other meetings

## 2.4 Others

Rel-17 CR Instructions (pl read)

General, all correction CRs / draft CRs:

1. Rapporteurs of Rel-17 WI CRs are asked to continue their volunteer responsibility, even if the WI is closed, at least for the durations of R2 118-e, and R2 119 (later meetings TBD).
2. Unless otherwise explicitly agreed/indicated, max one Cat F CR per TS per WI shall be produced as outcome of the meeting.
3. For smaller / editorial corrections, Companies are asked to coordinate directly with Rapporteurs of Rel-17 WI CRs, rather than submitting separate correction tdocs.
4. Big open issues can be discussed with contributions with CR/TP in the appendix of the contribution, or draft CR.
5. For WI that has been declared 100% complete only essential corrections should be submitted. Other corrections may be deprioritized.

ASN.1 review CRs / draft CRs etc:

1. Documents that relate to ASN.1 review should indicate the RIL number in the document title (unless the list is unpractically long). Companies shall coordinate to avoid multiple tdocs for an issue. All NR RRC corrections shall be registered with the ASN.1 review file (RIL status to be consistent with CRs etc, to avoid double work or non-addressed issues)
2. CRs and tdocs related to RRC ASN.1 review may use the late submission deadline.
3. Rapporteurs of Rel-17 WI RRC CRs are asked to address Class 1 and Class 2 issues for their WI, at least for those RIL issues with favourable decision at ASN.1 ad-hoc meeting, and at least for RIL issues for which it is not indicated that the RIL company will provide a tdoc. RRC CR Rapporteur resolutions has priority to be treated over other tdocs if any. If RILs need discussion, an accompanying discussion document can be provided.
4. Rapporteurs of Rel-17 WI RRC CRs are further asked to address Class 0 issues for their WI to the extent reasonable (Rapporteur need to assess which issues to include). Class 0 issues are assumed to not impact protocol operation and can in principle also be fixed at a later time.
5. Rapporteurs of Rel-17 WI RRC CRs are asked to indicate which Class 1 2 RILs are intended to be addressed ASAP, and use a [Pre118-e]-discussion for this communication and for the initial informal check of the Issue resolutions etc in the CR (or in the discussion doc if applicable).
6. GEN RILs are addressed by the RRC TS rapporteur, if not otherwise stated. Multi-WI RILs can be handled by a tdoc by the submitter. AI 6.0.1 and AI 7.0.1 are for general or multi-WI issues. Multi-WI RIL issues can also just be coordinated offline among Rapporteurs regarding who shall handle it / in which WI session it is better handled (e.g. for issues impacting related WIs such as SL relay and SL enh).

Tdoc limitations (reminder)

Tdoc limitations doesn’t apply to Rapporteur Input, i.e.

- Assigned summary rapporteur input of the summary.

- Email / offline discussions outcomes by discussion rapporteur,

- WI rapporteurs input for WI planning etc,

- TS rapporteur input for TS maintenance

- Assigned Editor of Running CRs input to update the running CR and input of one tdoc to facilitate addressing of CR open issues.

- Contact Company of a LSin that triggers RAN2 action may submit one tdoc to facilitate the LS reply. This only applies to one of the contact companies in case there are several (default the first).

- ASN.1 review: Max 1 tdoc per RIL issue (class 1,2) for RIL company (if there is RIL overlap or closely related RILs, companies shall coordinate to avoid multiple tdocs for one topic, including coordination with WI CR Rapporteur, who has priority for treatment). Tdoc for a RIL issue is expected if it is indicated in the RIL that a tdoc will be provided.

Tdoc limitations doesn’t apply to Input created at the meeting, revisions, assigned documents etc.

Tdoc limitations doesn’t apply to shadow / mirror CRs (Cat A).

Tdoc limitations applies to all other submitted tdocs.

Rel-17 UE capabilities

For R2 118-e, the intention is to finalize UE capabilities for Rel-17

There is no specific coordination for EUTRA UE capabilities.

For NR UE capabilities the following applies:

1: Aim to Work on mega CRs (one mega CR for TS 38.306 and one for TS 38.331). This work is done under Agenda Item AI 6.0.2

2: Coordinate centrally incorporation in CRs of RAN1 / RAN4 features for all Rel17 WIs. This work is done under Agenda Item AI 6.0.2 and changes are done directly to the mega CRs. There could be exceptions, case by case, where RAN1 / RAN4 features are treated under a WI-specific Agenda Item instead.

3: RAN2 should only implement in the CRs the features / feature groups from the RAN1 and RAN4 feature list without any FFS (no highlighted yellow, [] and/or marked as FFS/TBD). Also UE Capabilities that are dependent on such FFS features should not be implemented.

4: R2 Features and capabilities developed only in R2, are developed and corrected individually per WI, under WI-specific Agenda Items. Draft CRs (running CRs) for 38.331 and 38.306 are produced. The 306 CRs shall include an annex containing the RAN2 determined UE capabilities in the feature list format (similar to annex containing RAN2 agreements) for easy compilation into the TR38.822 in the later stage.

5. At the end of R2 118, endorsed WI specific UE capability CRs will be merged into the mega CRs, and the mega CRs will be provided to TSG RAN. Any exception to this need to be decided case by case.

Rapporteur Changes

Spec Former Rapporteur Proposed New Rapporteur

37.324 Hao Bi (Futurewei) Yunsong Yang (Futurewei)

Chair: Rapporteur Change is proposed Approved

R2-2204403 RAN2 Handbook 05-22 MCC discussion

R2-2204404 Check-in procedure in 3GPP meetings MCC discussion Rel-17

# 3 Incoming liaisons

Note: LSs are moved to the respective agenda items if any.

Rel-18 LSin’s will not be treated at current meeting. Rel-18 LSin’s will be treated in Q3. In case some LS is particularly urgent and treatment is not complex, it could be considered for Q2.

R2-2204417 LS response to 3GPP RAN on Location Services for Drones (LI(21)P59034r1; contact: ETSI TC LI) ETSI TC LI LS in To:RAN, RAN2 Cc:SA3-LI

Chair: TSG RAN replied, no need to reply from RAN2, Propose Noted [000]

R2-2204514 LS response to ETSI TC LI on Location Services for Drones (RP-220954; contact: Ericsson) RAN LS in To:ETSI TC LI Cc:RAN2, SA3 LI

Chair: RAN2 is cc’ed. Propose Noted [000]

R2-2204512 LS on presentation of EUWENA and involvement in 3GPP on Non Public Network (contact: Novamint) EUWENA LS in To:SA, RAN, CT Cc:SA1, SA2, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT6

Chair: RAN2 is cc’ed. Propose Noted [000]

Rel-18

Chair: All proposed postponed [000]. If something is urgent pl contact Chair

Low Latency

R2-2204438 LS on RAN feedback for low latency (S2-2201767; contact: Huawei) SA2 LS in Rel-18 FS\_5TRS\_URLLC To:RAN2 Cc:RAN1, RAN3

R2-2205502 Discussion on RAN feedback for low latency Ericsson discussion

R2-2205018 Proposed response to SA2 LS R2-2203930 on low latency Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_5TRS\_URLLC

XR

R2-2204523 LS on UE Power Saving for XR and Media Services (S2-2203418; contact: Nokia) SA2 LS in Rel-18 FS\_XRM To:RAN1, RAN2

R2-2205998 Discussion of SA2 LS on UE Power Saving for XR and Media Services Ericsson discussion

R2-2204439 LS on QoS support with PDU Set granularity (S2-2201803; contact: Intel) SA2 LS in Rel-18 FS\_XRM To:SA4 Cc:RAN1, RAN2, RAN3

R2-2206337 LS Reply on QoS support with PDU Set granularity (S4-220505; contact: Qualcomm) SA4 LS in Rel-18 FS\_XRM, FS\_XRTraffic To:SA2 Cc:RAN1, RAN2, RAN3

Misc

R2-2204515 UE capabilities for MBS (S2-2203020; contact: Qualcomm) SA2 LS in Rel-18 FS\_5MBS\_Ph2 To:RAN1 Cc:RAN, RAN2, RAN3

R2-2204530 LS on Rel-18 WI related to vehicular distributed antenna systems (S-220026; contact: LGE) 5GAA WG4 LS in Rel-18 S4SEM To:RAN1; Cc:RAN, RAN2, RAN4

# 4 EUTRA Rel-16 and earlier

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

## 4.1 NB-IoT corrections Rel-16 and earlier

(NB\_IOTenh3-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: RP-200293); REL-15 and Earlier WIs are in scope but not listed explicitly (long list). Documents in this agenda item will be handled in a break out session. Common NB-IoT/eMTC parts treated jointly with 4.2.

## 4.2 eMTC corrections Rel-16 and earlier

(LTE\_eMTC5-Core; LTE\_eMTC5-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: RP192875;), REL-15 and Earlier WIs are in scope but not listed explicitly (long list).

Documents in this agenda item will be handled in a break out session. Common NB-IoT/eMTC parts treated jointly with 4.1.

R2-2205877 Correction on calculating number of TBs for multi-TB scheduling Oy LM Ericsson AB CR Rel-16 36.321 16.7.0 1539 - F LTE\_eMTC5-Core

R2-2205879 Correction on calculating number of TBs for multi-TB scheduling Oy LM Ericsson AB CR Rel-17 36.321 17.0.0 1540 - A LTE\_eMTC5-Core

## 4.3 V2X and Side-link corrections Rel-15 and earlier

REL-15 and Earlier WIs are in scope but not listed explicitly (long list).

Documents in this agenda item will be handled in a break out session.

## 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.

## 4.5 Other LTE corrections Rel-16 and earlier

(LTE\_feMob-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed: June 20; WID: RP-190921)

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

(Documents relating to Rel-16 LTE but for which there is no existing RAN WI/SI, e.g. LSs from CT/SA requesting RAN2 action)

Including TEI16 corrections and issues that do not fit under any other topic.

Including outcome of [Post117-e][209][QoE] Correction to application layer measurement and reporting for LTE (Google)

For LTE mobility enhancements, only corrections that are LTE-specific should be submitted to this AI. Corrections that impact or are common with NR mobility enhancements should be submitted to 5.1.X instead.

R2-2205199 Minor changes collected by Rapporteur Samsung CR Rel-16 36.331 16.8.0 4790 - F LTE\_euCA-Core

R2-2205200 Clarifications on CQI-ReportPeriodicScell Samsung discussion LTE\_euCA-Core

R2-2205201 Correction on the CQI-ReportPeriodicScell Samsung CR Rel-15 36.331 15.17.0 4791 - F LTE\_euCA-Core

R2-2205202 Correction on the CQI-ReportPeriodicScell Samsung CR Rel-16 36.331 16.8.0 4792 - A LTE\_euCA-Core

R2-2205203 Correction on the CQI-ReportPeriodicScell Samsung CR Rel-17 36.331 17.0.0 4793 - A LTE\_euCA-Core

R2-2205427 Correction on evaluation of conditional reconfiguration CATT CR Rel-16 36.331 16.8.0 4800 - F LTE\_feMob-Core

R2-2205544 Discussion on application layer measurement and reporting for LTE during full configuration Intel Corporation discussion Rel-17 LTE\_QMC\_Streaming-Core

R2-2205545 Correction to application layer measurement and reporting for LTE during full configuration Intel Corporation CR Rel-17 36.331 17.0.0 4802 - A LTE\_QMC\_Streaming-Core Late

R2-2205731 Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-15 36.331 15.17.0 4775 1 F LTE\_QMC\_Streaming-Core R2-2203661

R2-2205733 Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-16 36.331 16.8.0 4776 1 A LTE\_QMC\_Streaming-Core R2-2203662

R2-2205741 Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-17 36.331 17.0.0 4806 - A LTE\_QMC\_Streaming-Core

R2-2206003 Correction to application layer measurement and reporting for LTE during full configuration Intel Corporation CR Rel-15 36.331 15.17.0 4816 - F LTE\_QMC\_Streaming-Core

# 5 NR Rel-15 and Rel-16

Essential corrections only.

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

## 5.1 Common

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

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

(NR\_IAB-Core; leading WG: RAN2; REL-16; started: Dec 18; target Aug 20; WID: RP-200840)

(NR\_unlic-Core; leading WG: RAN1; REL-16; started: Dec 18; Closed June 20; WID: RP-192926).

(NR\_IIOT-Core; leading WG: RAN2; REL-16; started: Mar 19; Completed: Jun 20; WID: RP-200797)

(NR\_UE\_pow\_sav-Core; leading WG: RAN1; REL-16; started: Mar 19; Completed Jun 20; WID: RP-200494).

(NR\_2step\_RACH-Core; leading WG: RAN1; REL-16; started: Dec 18; Completed: June 20; WID: RP-200085).

(SRVCC\_NR\_to\_UMTS-Core; leading WG: RAN2; REL-16; started: Dec 18; Completed; Mar 20; WID: RP-190713)

(RACS-RAN-Core, leading WG: RAN2; REL-16; started: Mar 19; completed: Jun 20; WID: RP-191088)

(NG\_RAN\_PRN-Core; leading WG: RAN3; REL-16; started: Mar 19; completed: June 20; WID: RP-200122)

(NR\_eMIMO-Core, leading WG: RAN1; REL-16; started: Jun 18; target; Aug 20; WID: RP-200474;)

(NR\_CLI\_RIM; leading WG: RAN1; REL-16; started: Dec 18; Completed: Jun 20; WID: RP-191997;)

(NR\_L1enh\_URLLC-Core, leading WG: RAN1; REL-16; Completed: June 20; WID: RP-191584)

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI RP-200791)

(NR\_Mob\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed June 20; WID: RP-192277).

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

(NR TEI16).

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

### 5.1.1 Organisational

Incoming LSs, etc.

LSin without R2 impact

All proposed Noted [000]

R2-2204433 Reply LS on NR-U channel information and procedures (R1-2202673; contact: Samsung) RAN1 LS in Rel-16 NR\_unlic-Core To:RAN3 Cc:RAN2

Chair: R2 is cc’d

R2-2204434 Reply LS on UE capability for supporting single DCI transmission schemes for multi-TRP (R1-2202691; contact: Apple) RAN1 LS in Rel-16 NR\_eMIMO-Core To:RAN4 Cc:RAN2

Chair: R2 is cc’d

R2-2204503 Reply LS on power control for NR-DC (R4-2206566; contact: OPPO & vivo) RAN4 LS in Rel-16 LTE\_NR\_DC\_CA\_enh-Core To:RAN1 Cc:RAN2

Chair: R2 is cc’d

R2-2204452 Reply LS on Intra UE Prioritization Scenario (R1-2202734; contact: vivo) RAN1 LS in Rel-16 NR\_IIOT-Core To:RAN2

Chair: Assume this reply involves no further change as it just confirms R2 assumptions.

### 5.1.2 Stage 2 corrections

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

* [AT118-e][013][NR1516] Stage-2 (ZTE)

Scope: Treat R2-2205923, R2-2205924, R2-2206110, R2-2206111, R2-2205978, R2-2205979, R2-2205990  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2205923 Correction for SCell activation Huawei, HiSilicon CR Rel-16 37.340 16.9.0 0323 - F LTE\_NR\_DC\_CA\_enh-Core

R2-2205924 Correction for SCell activation Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0324 - F LTE\_NR\_DC\_CA\_enh-Core

R2-2205950 Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-16 37.340 16.9.0 0325 - F LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core, TEI16

=> Revised in R2-2206110

R2-2206110 Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-16 37.340 16.9.0 0325 1 F TEI16, LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core

R2-2205951 Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-17 37.340 17.0.0 0326 - F LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core, TEI16

=> Revised in R2-2206111

R2-2206111 Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-17 37.340 17.0.0 0326 1 F TEI16, LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core

R2-2205978 Support of 1Tx-2Tx UL Tx switching for EN-DC Huawei, HiSilicon, China Telecom CR Rel-16 37.340 16.9.0 0327 - F NR\_RF\_FR1-Core

R2-2205979 Support of 1Tx-2Tx UL Tx switching for EN-DC Huawei, HiSilicon, China Telecom CR Rel-17 37.340 17.0.0 0328 - A NR\_RF\_FR1-Core

R2-2205990 Support of UL Tx switching for inter-band UL CA and SUL Huawei, HiSilicon, China Telecom CR Rel-16 38.300 16.8.0 0470 - F NR\_RF\_FR1-Core

### 5.1.3 User Plane corrections

* [AT118-e][014][NR1516] User Plane (Samsung)

Scope: Treat R2-2204755, R2-2204756, R2-2204757, R2-2205682, R2-2205717, R2-2205718, R2-2205715, R2-2205716,  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

#### 5.1.3.1 MAC

R2-2204755 Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-15 38.321 15.13.0 1231 - F NR\_newRAT-Core

R2-2204756 Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-16 38.321 16.8.0 1232 - F NR\_newRAT-Core, NR\_IIOT-Core

R2-2204757 Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-17 38.321 17.0.0 1233 - A NR\_newRAT-Core, NR\_IIOT-Core

R2-2205682 CR for procedure level alignment of UL skipping Apple CR Rel-16 38.321 16.8.0 1192 1 D NR\_IIOT-Core R2-2202524

R2-2205717 Clarification on Duplication MAC CE Samsung CR Rel-16 38.321 16.8.0 1282 - F NR\_IIOT-Core

R2-2205718 Clarification on Duplication MAC CE Samsung CR Rel-17 38.321 17.0.0 1283 - A NR\_IIOT-Core

#### 5.1.3.2 RLC PDCP SDAP BAP

R2-2205715 CR for EHC decompression Samsung CR Rel-16 36.323 16.5.0 0300 - F NR\_IIOT-Core

R2-2205716 CR for EHC decompression Samsung CR Rel-17 36.323 17.0.0 0301 - A NR\_IIOT-Core

### 5.1.4 Control Plane corrections

#### 5.1.4.1 NR RRC

In case a correction need to mirrored for both NR RRC and LTE RRC, the corrections should be submitted under one single AI, i.e. the sub-AIs below this.

Rapporteur CR

R2-2206086 Miscellaneous non-controversial corrections Set IX Ericsson CR Rel-15 38.331 15.17.0 3165 - F NR\_newRAT-Core

R2-2206087 Miscellaneous non-controversial corrections Set IX Ericsson CR Rel-16 38.331 16.8.0 3166 - F NR\_newRAT-Core

##### 5.1.4.1.1 Connection control

Including L1 Parameters, L2 Parameters, Connection establishment and release, Connection reconfiguration (also reconfig with sync, Handover), Connection resume and release with RRC\_INACTIVE state, Security procedures, re-establishment, RRC processing delay requirements etc.

* [AT118-e][015][NR1516] p-MaxEutra and p-NR-FR1 (Huawei)

Scope: Treat R2-2204411, R2-2204648, R2-2204453, R2-2205404, R2-2205513, R2-2204649

Ph1 Determine agreeable parts, Ph2 approve reply LS (offline, CB online only if necessary).

Intended outcome: Report, Approved LS out

Deadline: Schedule 1

Power limitation

R2-2204411 LS on configuration of p-MaxEUTRA and p-NR-FR1 (R5-217995; contact: Huawei) RAN5 LS in Rel-15 NR\_newRAT-Core To:RAN1, RAN2, RAN4

R2-2204648 Discussion on configuration of p-MaxEUTRA and p-NR-FR1 ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core R2-2202655

R2-2204453 Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R1-2202769; contact: Huawei) RAN1 LS in Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN2, RAN4

R2-2204504 Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R4-2206567; contact: Huawei) RAN4 LS in Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN2

R2-2205513 Draft reply LS on configuration of p-MaxEUTRA and p-NR-FR1 Huawei, HiSilicon LS out Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN4

R2-2204649 [Draft] Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 ZTE Corporation LS out Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN4

* [AT118-e][016][NR1516] Connection Control I (Ericsson)

Scope: Treat R2-2205965, R2-2205966, R2-2205867, R2-2205406, R2-2205407, R2-2205868, R2-2205614, R2-2205586, R2-2205599

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

L1 parameters

R2-2205965 Correction of Need Code in IE SearchSpace Ericsson CR Rel-15 38.331 15.17.0 3140 - F NR\_newRAT-Core, TEI16

R2-2205966 Correction of Need Code in IE SearchSpace Ericsson CR Rel-16 38.331 16.8.0 3141 - A NR\_newRAT-Core, TEI16

R2-2205967 Correction of Need Code in IE SearchSpace Ericsson CR Rel-17 38.331 17.0.0 3142 - A NR\_newRAT-Core, TEI16

L2 parameters

R2-2205406 CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-15 38.331 15.17.0 3079 - F NR\_newRAT-Core

R2-2205407 CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-16 38.331 16.8.0 3080 - A NR\_newRAT-Core

n77

R2-2205968 WF for NS\_55 in NR CA Ericsson discussion Rel-16 NR\_RF\_FR1-Core, TEI16

SMTC configuration

R2-2205614 SMTC configuration for target cell Lenovo CR Rel-16 38.331 16.8.0 3103 - F NR\_newRAT-Core, TEI16

R2-2205586 SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-15 36.331 15.17.0 4804 - F NR\_newRAT-Core

R2-2205599 SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-16 36.331 16.8.0 4805 - F NR\_newRAT-Core

* [AT118-e][017][NR1516] Connection Control II (Huawei)

Scope: Treat R2-2204920, R2-2204921, R2-2206145, R2-2206146, R2-2204917, R2-2204918, R2-2204919, R2-2205251, R2-2205252, R2-2205617, R2-2205624

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

CHO related

R2-2204920 Correction on the RRC reestablishment in CHO Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3018 - F NR\_Mob\_enh-Core

R2-2204921 Correction on the RRC reestablishment in CHO Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3019 - A NR\_Mob\_enh-Core

R2-2205850 CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 38.331 16.8.0 3120 - F NR\_Mob\_enh-Core

=> Revised in R2-2206145

R2-2206145 CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 38.331 16.8.0 3120 1 F NR\_Mob\_enh-Core

R2-2205858 CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 36.331 16.8.0 4809 - F LTE\_feMob-Core

=> Revised in R2-2206146

R2-2206146 CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 36.331 16.8.0 4809 1 F LTE\_feMob-Core

DAPS related

R2-2204917 Discussion on RLC re-establishment issue upon DAPS fallback Huawei, HiSilicon discussion Rel-16 NR\_Mob\_enh-Core

R2-2204918 Correction on UE behaviours for DAPS fallback\_Alt1 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3016 - F NR\_Mob\_enh-Core

R2-2204919 Correction on UE behaviours for DAPS fallback\_Alt2 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3017 - F NR\_Mob\_enh-Core

IAB

R2-2205251 Corrections on BAP entity release in MR DC release procedure in TS 38.331 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3060 - F NR\_IAB-Core

R2-2205252 Corrections on BAP entity release in MR DC release procedure in TS 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3061 - A NR\_IAB\_enh-Core

R2-2205617 Correction to RRC reestablishment for IAB Google Inc. CR Rel-16 38.331 16.8.0 3104 - F NR\_IAB-Core

R2-2205624 Correction to RRC reestablishment for IAB Google Inc. CR Rel-17 38.331 17.0.0 3105 - A NR\_IAB-Core

##### 5.1.4.1.2 RRM and Measurements

* [AT118-e][018][NR1516] RRM and measurements (Apple)

Scope: Treat R2-2204483, R2-2205678, R2-2206093, R2-2205294, R2-2205295, R2-2205296, R2-2205297, R2-2205213, R2-2205214, R2-2204611, R2-2204612, R2-2204613

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

L3 filter

R2-2204483 Reply LS to RAN2 on L3 filter configuration (R4-2207041; contact: Apple) RAN4 LS in Rel-15 NR\_newRAT-Core To:RAN2

R2-2205678 Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-16 38.331 16.8.0 3111 - F NR\_newRAT-Core

R2-2205961 Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-16 38.331 16.8.0 3139 - A NR\_newRAT-Core Late

=> Revised in R2-2206093

R2-2206093 Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-17 38.331 17.0.0 3139 1 A NR\_newRAT-Core

R2-2205294 Discussion on L3 filtering Huawei, HiSilicon discussion Rel-15 NR\_newRAT-Core

R2-2205295 Correction to L3 filtering (R15) Huawei, HiSilicon CR Rel-15 38.331 15.17.0 3063 - F NR\_newRAT-Core

R2-2205296 Correction to L3 filtering (R16) Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3064 - A NR\_newRAT-Core

R2-2205297 Correction to L3 filtering (R17) Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3065 - A NR\_newRAT-Core

Misc

R2-2205313 Correction on quantity configuration Xiaomi CR Rel-15 38.331 15.17.0 3067 - F NR\_newRAT-Core

R2-2205314 Correction on quantity configuration Xiaomi CR Rel-16 38.331 16.8.0 3068 - A NR\_newRAT-Core

R2-2204611 38331CR Corrections on T321 and T322 timer start-R15 OPPO CR Rel-15 38.331 15.17.0 2981 - F NR\_newRAT-Core

R2-2204612 38331CR Corrections on T321 and T322 timer start-R16 OPPO CR Rel-16 38.331 16.8.0 2982 - A NR\_newRAT-Core

R2-2204613 38331CR Corrections on T321 and T322 timer start-R17 OPPO CR Rel-17 38.331 17.0.0 2983 - A NR\_newRAT-Core

##### 5.1.4.1.3 System Information and Paging

* [AT118-e][019][NR1516] CP Miscellanous (vivo)

Scope: Treat R2-2204902, R2-2205428, R2-2205429, R2-2204845, R2-2204846, R2-2205827, R2-2204728, R2-2204729, R2-2204845, R2-2204846, R2-2205827, R2-2204728, R2-2204729, R2-2205503, R2-2205504, R2-2205298, R2-2205299, R2-2205300

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

##### 5.1.4.1.4 Inter-Node RRC messages

R2-2204902 Confirmation for inter-MN HO without SN change NEC discussion Rel-15 NR\_newRAT-Core

R2-2205428 Correction on FR1-FR1power control parameters of NR-DC CATT CR Rel-16 38.331 16.8.0 3083 - F LTE\_NR\_DC\_CA\_enh-Core Late

R2-2205429 Correction on FR1-FR1power control parameters of NR-DC CATT CR Rel-17 38.331 17.0.0 3084 - A LTE\_NR\_DC\_CA\_enh-Core Late

##### 5.1.4.1.5 Other

R2-2204845 Correction on rrc-ConfiguredUplinkGrant in Rel-15 vivo CR Rel-15 38.331 15.17.0 3000 - F NR\_newRAT-Core

R2-2204846 Correction on rrc-ConfiguredUplinkGrant in Rel-16 vivo CR Rel-16 38.331 16.8.0 3001 - F NR\_newRAT-Core

R2-2205827 Correction on rrc-ConfiguredUplinkGrant in Rel-17 vivo CR Rel-17 38.331 17.0.0 3119 - A NR\_newRAT-Core

R2-2204728 Correction on T345 for UAI overheating OPPO CR Rel-16 38.331 16.8.0 2995 - F NR\_newRAT-Core

R2-2204729 Correction on T345 for UAI overheating OPPO draftCR Rel-17 38.331 17.0.0 A NR\_newRAT-Core

R2-2205503 Need code correction for ReferenceTimeInfo Ericsson CR Rel-16 38.331 16.8.0 3091 - F NR\_IIOT-Core

R2-2205504 Need code correction for ReferenceTimeInfo Ericsson CR Rel-17 38.331 17.0.0 3092 - A NR\_IIOT-Core

Withdrawn

R2-2205948 Miscellaneous corrections Lenovo draftCR Rel-17 38.331 17.0.0 A 5G\_V2X\_NRSL-Core, TEI16 Withdrawn

#### 5.1.4.2 LTE changes

LTE-specific changes for these WIs. Changes that are applied to both LTE and NR shall be treated together under respective Agenda item other than this one.

R2-2205298 Correction on NR serving frequency results reporting for event-triggered measurement (R15) Huawei, HiSilicon CR Rel-15 36.331 15.17.0 4795 - F NR\_newRAT-Core

R2-2205299 Correction on NR serving frequency results reporting for event-triggered measurement (R16) Huawei, HiSilicon CR Rel-16 36.331 16.8.0 4796 - A NR\_newRAT-Core

R2-2205300 Correction on NR serving frequency results reporting for event-triggered measurement (R17) Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4797 - A NR\_newRAT-Core

#### 5.1.4.3 UE capabilities

* [AT118-e][020][NR1516] UE capabilities I (NTT DOCOMO)

Scope: Treat R2-2205118, R2-2205119, R2-2205121, R2-2204472, R2-2206063, R2-2206064, R2-2204419, R2-2204840, R2-2204841, R2-2205451, R2-2205452, R2-2206000, R2-2206001

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R4 - Simu Rx/Tx

R2-2205118 Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-15 38.306 15.16.0 0708 - F NR\_newRAT-Core

R2-2205119 Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-16 38.306 16.8.0 0709 - A NR\_newRAT-Core

R2-2205121 Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-17 38.306 17.0.0 0710 - A NR\_newRAT-Core

R4 - maxNumberCSI-RS

R2-2204472 LS on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR (R4-2206828; contact: Apple) RAN4 LS in Rel-17 NR\_CSIRS\_L3meas To:RAN1, RAN2

Chair: The LS indicates a Rel-16 WI and Rel-17 applicability

R2-2206063 Clarification on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR Apple Inc CR Rel-16 38.306 16.8.0 0740 - F NR\_CSIRS\_L3meas

R2-2206064 Clarification on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR Apple Inc CR Rel-17 38.306 17.0.0 0741 - A NR\_CSIRS\_L3meas

L1

R2-2204419 LS on updated Rel-16 RAN1 UE features lists for NR after RAN1#108-e (R1-2202764; contact: NTT DOCOMO) RAN1 LS in Rel-16 TEI16, NR\_CLI\_RIM-Core, NR\_eMIMO-Core, NR\_Mob\_enh-Core, LTE\_NR\_DC\_CA\_enh-Core, NR\_unlic-Core, NR\_2step\_RACH-Core, NR\_IAB-Core, NR\_L1enh\_URLLC-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, 5G\_V2X\_NRSL-Core, NR\_IIOT-Core To:RAN2 Cc:RAN4

R2-2204840 Correction to multi-DCI multi-TRP and new UE capability to limit PDCCH monitoring Intel Corporation CR Rel-16 38.306 16.8.0 0704 - F NR\_eMIMO-Core, TEI16

R2-2204841 New UE capability to limit PDCCH monitoring Intel Corporation CR Rel-16 38.331 16.8.0 2999 - F NR\_eMIMO-Core, TEI16

R2-2205451 Correction on the UE capability description of the overlapping PDSCH in Rel-17 Xiaomi Communications, Samsung CR Rel-17 38.306 17.0.0 0716 - F TEI16

R2-2205452 Correction on the UE capability description of the overlapping PDSCH in Rel-16 Xiaomi Communications, Samsung CR Rel-16 38.306 16.8.0 0717 - A TEI16

R2-2206000 bwp-SwitchingDelay conditionally mandatory capability Qualcomm Incorporated CR Rel-15 38.306 15.16.0 0734 - F NR\_newRAT-Core

R2-2206001 bwp-SwitchingDelay conditionally mandatory capability Qualcomm Incorporated CR Rel-16 38.306 16.8.0 0735 - F NR\_newRAT-Core

* [AT118-e][021][NR1516] UE capabilities II (Huawei)

Scope: Treat R2-2206002, R2-2204485, R2-2205558, R2-2205559, R2-2205560, R2-2205561, R2-2205453, R2-2205556, R2-2205557, R2-2205984, R2-2205985,

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2206002 Clarification on configuredUL-GrantType1-v1650 Qualcomm Incorporated CR Rel-16 38.306 16.8.0 0736 - F NR\_newRAT-Core

Measurement

R2-2204485 LS on UE capability for inter-frequency measurement without MG (R4-2207090; contact: Huawei) RAN4 LS in Rel-16 NR\_RRM\_enh-Core To:RAN2

R2-2205558 Correction on UE capability for inter-frequency measurement without MG Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0720 - F NR\_RRM\_enh-Core

R2-2205559 Correction on UE capability for inter-frequency measurement without MG Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0721 - A NR\_RRM\_enh-Core

R2-2205560 Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0722 - F NR\_eMIMO-Core

R2-2205561 Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0723 - A NR\_eMIMO-Core

R2-2205453 Clarification on the rmtc-Config-r16 Xiaomi Communications, Apple, OPPO CR Rel-16 38.331 16.8.0 3087 - F TEI16

R2-2205556 Correction on measurementEnhancement capability for high speed scenario Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0718 - F NR\_HST-Core

R2-2205557 Correction on measurementEnhancement capability for high speed scenario Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0719 - A NR\_HST-Core

CHO and CPC

R2-2205984 Clarifications on CHO and CPC UE capabilities Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0732 - F NR\_Mob\_enh-Core

R2-2205985 Clarifications on CHO and CPC UE capabilities Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0733 - A NR\_Mob\_enh-Core

#### 5.1.4.4 Idle/inactive mode procedures

This agenda item addresses the idle and inactive behaviour specified in 38.304 or 36.304. Other aspects related to inactive (e.g. state transitions, out of coverage, etc) are covered under RRC agenda items

* [AT118-e][022][NR1516] Idle/Inactive mode (Qualcomm)

Scope: Treat R2-2205946, R2-2205945

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2205946 Miscellaneous Editorial Corrections Qualcomm Incorporated CR Rel-16 38.304 16.7.0 0250 - D TEI16

R2-2205945 Miscellaneous Editorial Corrections Qualcomm Incorporated CR Rel-17 38.304 17.0.0 0249 - D TEI17

Moved from AI6.0.3

## 5.2 NR V2X

(5G\_V2X\_NRSL-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Aug 20; WID: RP-200129).

Documents in this agenda item will be handled in a break out session

Tdoc Limitation: See tdoc limitation for Agenda Item 5

CR rapporteurs will take care of miscellaneous CRs to collect small changes. Please contact / coordinate with CR rapporteur company first for small changes (e.g. non-controversial clarification/correction, editorial correction, etc.).

### 5.2.1 General and Stage-2 corrections

Including incoming LSs, rapporteur inputs, etc.

R2-2204454 Reply LS to RAN4 on PEMAX for NR-V2X (R1-2202816; contact: Huawei) RAN1 LS in Rel-16 5G\_V2X\_NRSL-Core To:RAN4 Cc:RAN2

R2-2204513 LS on V2X PC5 link for unicast communication with null security algorithm (R5-222035; contact: HiSilicon) RAN5 LS in To:SA3, CT1, RAN2

R2-2204516 Reply LS on how to receive the first PC5-S unicast message during PC5-S connection setup procedure (S2-2203024; contact: CATT) SA2 LS in Rel-16 eV2XARC, 5G\_V2X\_NRSL-Core To:RAN2

R2-2204844 Discussion on null security algorithm ZTE Corporation, Sanechips discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2204858 [Draft] Reply LS on V2X PC5 link for unicast communication with NULL security algorithm Huawei, HiSilicon LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN5 Cc:SA3, CT1

R2-2205108 (draft)reply LS on null security algorithm ZTE Corporation, Sanechips LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN5 Cc:SA3,CT1

### 5.2.2 Control plane corrections

This agenda item may utilize a summary document on RRC (Huawei).

R2-2204572 Correction on field description of sl-DefaultTxConfigIndex OPPO CR Rel-16 38.331 16.8.0 2973 - F 5G\_V2X\_NRSL-Core

R2-2204573 Correction on field description of sl-DefaultTxConfigIndex OPPO CR Rel-17 38.331 17.0.0 2974 - A 5G\_V2X\_NRSL-Core

R2-2204645 Correction on per-FS capability OPPO CR Rel-16 36.331 16.8.0 4782 - F 5G\_V2X\_NRSL-Core

R2-2204646 Correction on per-FS capability OPPO CR Rel-17 36.331 17.0.0 4783 - A 5G\_V2X\_NRSL-Core

R2-2204855 Summary of Rel-16 control plane corrections Huawei, HiSilicon discussion Rel-16 5G\_V2X\_NRSL-Core Late

R2-2204856 Miscelleneous corrections Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3002 - F 5G\_V2X\_NRSL-Core

R2-2204857 Miscelleneous corrections Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3003 - A 5G\_V2X\_NRSL-Core

R2-2204859 Clarification on PC5 AS security Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3004 - F 5G\_V2X\_NRSL-Core

R2-2204860 Clarification on PC5 AS security Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3005 - A 5G\_V2X\_NRSL-Core

R2-2205109 Clarification on power control parameter ZTE Corporation, Sanechips,vivo CR Rel-16 38.331 16.8.0 3050 - F 5G\_V2X\_NRSL-Core

R2-2205577 Clarifying support of null security algorithm for SL-SRB2 and SL-SRB3 MediaTek Inc. CR Rel-16 38.331 16.8.0 3101 - F 5G\_V2X\_NRSL-Core

R2-2205578 Clarifying support of null security algorithm for SL-SRB2 and SL-SRB3 MediaTek Inc. CR Rel-17 38.331 17.0.0 3102 - A 5G\_V2X\_NRSL-Core

R2-2205947 Miscellaneous corrections Lenovo draftCR Rel-16 38.331 16.8.0 F 5G\_V2X\_NRSL-Core, TEI16

Moved from 5.1.4.1.5

R2-2205953 Miscellaneous corrections Lenovo draftCR Rel-17 38.331 17.0.0 A TEI16, 5G\_V2X\_NRSL-Core

Moved from 5.1.4.1.5

R2-2206043 Correction on SUI message OPPO CR Rel-16 38.331 16.8.0 3153 F 5G\_V2X\_NRSL-Core

### 5.2.3 User plane corrections

This agenda item may utilize a summary document on MAC (LG).

R2-2204774 PDCPRLC Entity Maintenance for SL-SRBs CATT discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2204775 Corrections on MAC filtering issue for the first unicast PC5-S signalling CATT CR Rel-16 38.321 16.8.0 1259 - F 5G\_V2X\_NRSL-Core

R2-2204776 Corrections on RLC entity establishment issue for the first unicast PC5-S signalling CATT CR Rel-16 38.322 16.2.0 0047 - F 5G\_V2X\_NRSL-Core

R2-2204777 Corrections on PDCP entity establishment issue for the first unicast PC5-S signalling CATT CR Rel-16 38.323 16.6.0 0089 - F 5G\_V2X\_NRSL-Core

R2-2204778 Correction on user plane aspects (Rapporteur CR) LG Electronics France CR Rel-16 38.321 16.8.0 1234 - F 5G\_V2X\_NRSL-Core Late

=> Withdrawn

R2-2205125 Corrections on SL configured grant and SL BSR ASUSTeK CR Rel-16 38.321 16.8.0 1255 - F 5G\_V2X\_NRSL-Core

R2-2205126 TB filtering in MAC ASUSTeK CR Rel-16 38.321 16.8.0 1256 - F 5G\_V2X\_NRSL-Core

R2-2205127 TB filtering in MAC ASUSTeK CR Rel-17 38.321 17.0.0 1257 - A 5G\_V2X\_NRSL-Core

R2-2205144 Summary of MAC corrections (Rapporteur) LG Electronics France discussion Rel-16 38.321 5G\_V2X\_NRSL-Core Late

=> Withdrawn

R2-2205602 Correction on PDCP SN setting for SLRB transmit operation Samsung CR Rel-16 38.323 16.6.0 0091 - F 5G\_V2X\_NRSL-Core

R2-2205603 Correction on PDCP SN setting for SLRB transmit operation Samsung CR Rel-17 38.323 17.0.0 0092 - A 5G\_V2X\_NRSL-Core

## 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 Correction on the description of deferred MT-LR CATT CR Rel-16 38.305 16.7.0 0088 - F NR\_pos-Core

R2-2204695 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 Motivation to clarify LPP segmentation purpose Ericsson discussion

R2-2205802 Clarification on LPP segmentation Ericsson CR Rel-16 37.355 16.8.0 0334 1 F NR\_pos-Core R2-2203368

R2-2205803 Clarification on LPP segmentation Ericsson CR Rel-17 37.355 17.0.0 0346 - A NR\_pos-Core

### 5.3.4 MAC corrections

## 5.4 SON/MDT support for NR

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: RP-191776).

Documents in this agenda item will be handled in a break out session

Tdoc Limitation: See tdoc limitation for Agenda Item 5

### 5.4.1 General and stage-2 corrections

Including incoming LSs, TS 37.320 corrections

### 5.4.2 TS 38.314 corrections

### 5.4.3 RRC corrections

R2-2204548 Corrections to SON/MDT capabilities Lenovo CR Rel-16 38.306 16.8.0 0675 1 F NR\_SON\_MDT-Core R2-2202223

R2-2204549 Corrections to SON/MDT capabilities Lenovo CR Rel-17 38.306 17.0.0 0699 - A NR\_SON\_MDT-Core

R2-2204589 Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE discussion

R2-2204594 Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE CR Rel-16 38.331 16.8.0 2976 - F NR\_SON\_MDT-Core

R2-2204595 Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE CR Rel-17 38.331 17.0.0 2977 - A NR\_SON\_MDT-Core

R2-2204916 Correction on delay value configuration description Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3015 - F NR\_SON\_MDT-Core

R2-2204937 Add TAC into Previous Cell Information of RLF Report CATT draftCR Rel-16 36.331 16.8.0 NR\_SON\_MDT-Core

R2-2205660 Addition of missing information into RA-InformationCommon-r16 Apple, Ericsson CR Rel-16 38.331 16.8.0 3108 - F NR\_SON\_MDT-Core

R2-2205661 Addition of missing information into RA-InformationCommon-r16 Apple, Ericsson CR Rel-17 38.331 17.0.0 3109 - A NR\_SON\_MDT-Core

R2-2205760 Discrepancy on inclusion of reconnectCellId Samsung Electronics Co., Ltd discussion Rel-16 38.331 NR\_SON\_MDT-Core

R2-2205885 On DAPS handover failure handling Ericsson CR Rel-16 38.331 16.8.0 3123 - F NR\_SON\_MDT-Core

R2-2205886 On sensor information configuration Ericsson CR Rel-16 38.331 16.8.0 3124 - F NR\_SON\_MDT-Core

R2-2205887 On sensor information configuration Ericsson CR Rel-17 38.331 17.0.0 3125 - A NR\_SON\_MDT-Core

R2-2205888 On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-16 38.331 16.8.0 3126 - F NR\_SON\_MDT-Core

R2-2205889 On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-17 38.331 17.0.0 3127 - A NR\_SON\_MDT-Core

R2-2205890 On ObtainCommonLocation related configuration Ericsson CR Rel-16 38.331 16.8.0 3128 - F NR\_SON\_MDT-Core

R2-2205891 On ObtainCommonLocation related configuration Ericsson CR Rel-17 38.331 17.0.0 3129 - A NR\_SON\_MDT-Core

R2-2206106 Add TAC into Previous Cell Information of RLF Report CATT CR Rel-17 36.331 17.0.0 4818 - A NR\_SON\_MDT-Core

R2-2206107 Add TAC into Previous Cell Information of RLF Report CATT CR Rel-16 36.331 16.8.0 4819 - F NR\_SON\_MDT-Core

# 6 NR Rel-17

## 6.0 General

Please input to 6.0.x. These AIs includes General Aspects regarding Rel 17, both NR and LTE, organizational and planning, common aspects regarding UE caps, RRC parameters, running CRs, need for organized inter-WI coord etc. A main purpose of this AI is to provide opportunity for rapporteurs and other highly interested to illuminate important aspects for the finalization phases of Rel-17. Input to this AI is optional. Note that the multi-WI topic of RACH indication and partitioning is handled under a separate AI.

### 6.0.1 RRC

Including general or multi-WI aspects of ASN.1 review

LS in

R2-2204418 LS on updated Rel-17 LTE and NR higher-layers parameter list (R1-2202760; contact: Ericsson) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_SL\_enh, NR\_DSS, NB\_IOTenh4\_LTE\_eMTC6, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_UE\_pow\_sav\_enh, NR\_MBS, LTE\_NR\_DC\_enh2, NR\_IAB\_enh, NR\_SmallData\_INACTIVE, NR\_RF\_FR1\_enh, NR\_pos\_enh, NR\_cov\_enh, NR\_redcap, LTE\_terr\_bcast\_bands\_part1, LTE\_NBIOT\_eMTC\_NTN, NR\_cov\_enh2 To:RAN2, RAN3 Cc:RAN4

Chair: to be taken into account in WI sessions in WI-specific CRs

* [AT118-e][023][NR17] RRC I (Ericsson)

Scope: Treat R2-2206084, R2-2206985. Take into account also other agreements that should be captured in the Rapporteur CR. Treat R2-2205969, R2-2205970, R2-2205971 to the extent needed to progress the CR. Take into account other meeting agreements to be captured in the Rapporteur general CR.

Intended outcome: initial endorsement of submitted CR, in the end agreed CR including updates for meeting agreements. Report.

Deadline: Rapporteur set

* [AT118-e][024][NR17] RRC II (Nokia)

Scope: Treat R2-2205433, R2-2205434.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR.

Deadline: Rapporteur Set

ASN.1 review Rapporteur CR

R2-2206084 ASN1 review general corrections Ericsson CR Rel-17 38.331 17.0.0 3164 - F TEI17

ASN.1 review General

R2-2205969 NR Rel-17 ASN1 review file Ericsson discussion Rel-17 TEI17 Late

R2-2205970 NR Re-17 RIL list Ericsson discussion Rel-17 TEI17 Late

R2-2205971 NR Rel-17 Class0 issues Ericsson discussion Rel-17 TEI17 Late

General issues

Offline

R2-2206085 RIL list General ASN1 issues Ericsson discussion Rel-17 TEI17

R2-2205433 [N108] IE structures for L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Late

R2-2205434 [N104] Survey of Rel-17 Need S fields Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Late

Specific issues

Offline

* [AT118-e][025][NR17] RRC issues (Huawei)

Scope: Treat R2-2205397, R2-2205196, R2-2205684, R2-2206131, R2-2205015. Determine agreeable parts, for agreeable parts make agreeable TPs for merge with Rapporteur CR. If modifications from R2-2205015 are needed also for Rel-16, this need to be a separate CR.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR, agreeable CR(s) if applicable.

Deadline: Schedule 1

Search space switch + PDCCH skip

R2-2205397 Discussion on PDCCH adaptation IEs (related to N128/Z054/Z055) Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205196 Discussion on RIL issue E133 Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core Late

Ul-AccessConfigListDCI

R2-2205684 Discussion on ul-AccessConfigListDCI (RIL A402, A405) Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core, NR\_ext\_to\_71GHz-Core

TDRA

R2-2206131 PDSCH and PUSCH TDRA configuration (RIL: Q300, E057) Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_cov\_enh-Core

SL related

R2-2205015 [H634] Correction for the need code and conditions for optional fields in PC5 RRC message Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3032 - F NR\_SL\_enh-Core, NR\_SL\_relay-Core

Chair: was discussed at ASN1 adhoc, maybe for Rel-16

Other

R2-2204986 [H585] Correction for new IE for TimeAlignmentTimer Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3024 - F NR\_pos\_enh-Core, NR\_SmallData\_INACTIVE-Core

Chair: Was already agreed in ASN1 ad-hoc, can just be taken into Acct by CR rapporteur

R2-2205002 [H581][Z141][M607] Correction for pre-configured MG for POS Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3029 - F NR\_pos\_enh-Core, NR\_MG\_enh-Core

Chair: Was already agreed in ASN1 ad-hoc, can just be taken into Acct by CR rapporteur

### 6.0.2 UE capabilities

Feature lists from other groups and UE cap Mega CRs will be treated under this AI, except for NR\_ext\_to\_71GHz-Core and NR\_pos\_enh-Core for which all UE caps are treated under WI specific AI. Specific issues may be reallocated to WI-specific AIs.

* [AT118-e][026][NR17] UE caps main (Intel)

Scope: Treat R2-2204838, R2-2204839, R2-2005657, R2-2005658. Treat incoming LSes. Merge agreed WI specific draft CRs.

Intended outcome: In the end agreed Mega CRs, Intermediate outcomes spec by Rapporteur.

Deadline: Rapporteur Set

LS in

R2-2204427 LS on updated Rel-17 RAN1 UE features list for NR (R1-2202927; contact: NTT DOCOMO, AT&T)) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_SL\_enh, NR\_DSS, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_UE\_pow\_sav\_enh, NR\_MBS, LTE\_NR\_DC\_enh2, NR\_IAB\_enh, NR\_SmallData\_INACTIVE, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_pos\_enh, NR\_cov\_enh, NR\_redcap To:RAN2, RAN4

R2-2204471 LS on Rel-17 RAN4 UE feature list for NR (R4-2206572; contact: CMCC) RAN4 LS in Rel-17 To:RAN1 Cc:RAN1

Mega CRs

R2-2204838 Release-17 UE capabilities based on R1 and R4 feature lists (TS38.306) Intel Corporation CR Rel-17 38.306 17.0.0 0703 - B NR\_MBS-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_SL\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_DL1024QAM\_FR1, NR\_HST\_FR2, NR\_HST\_FR1\_enh, NR\_BCS4-Core, NR\_FR2\_FWA\_Bn257\_Bn258-Core, NR\_SAR\_PC2\_interB\_SUL\_2BUL, NR\_MG\_enh-Core, NR\_ext\_to\_71GHz-Core, NG\_RAN\_PRN\_enh-Core, NR\_QoE-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_SL\_relay-Core, NR\_SmallData\_INACTIVE, LTE\_NR\_MUSIM-Core, NR\_RF\_FR1\_enh, NR\_UDC-Core, TEI17, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core

R2-2204839 Release-17 UE capabilities based on R1 and R4 feature lists (TS38.331) Intel Corporation CR Rel-17 38.331 17.0.0 2998 - B NR\_MBS-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_SL\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_DL1024QAM\_FR1, NR\_HST\_FR2, NR\_HST\_FR1\_enh, NR\_BCS4-Core, NR\_FR2\_FWA\_Bn257\_Bn258-Core, NR\_SAR\_PC2\_interB\_SUL\_2BUL, NR\_MG\_enh-Core, NR\_ext\_to\_71GHz-Core, NG\_RAN\_PRN\_enh-Core, NR\_QoE-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_SL\_relay-Core, NR\_SmallData\_INACTIVE, LTE\_NR\_MUSIM-Core, NR\_RF\_FR1\_enh, NR\_UDC-Core, TEI17, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core

Specific Items

R2-2205657 Introduction of FR2 UL gap UE capability Apple, Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 B NR\_RF\_FR2\_req\_enh2

R2-2205658 Introduction of FR2 UL gap UE capability Apple, Huawei, HiSilicon draftCR Rel-17 38.306 17.0.0 B NR\_RF\_FR2\_req\_enh2

### 6.0.3 Gaps Coordination

Tdoc limitation: 1

This AI is complementary to other AIs.

* [AT118-e][027][NR17] Gap Coordination (MediaTek)

Scope: Treat R2-2205290, R2-2205768, R2-2206011 and other relevant input if any.

Intended outcome: Report (expect to progress TPs W2 if applicable).

Deadline: W1 Friday (online CB W2 Monday if needed).

R2-2205290 Discussion on gap priority Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2205768 Consideration on gap priorities ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core, NR\_NTN\_solutions-Core, LTE\_NR\_MUSIM-Core, NR\_pos\_enh-Core

R2-2206011 Gaps coordination Ericsson discussion Rel-17

### 6.0.4 Other

E.g. cross WI coordination on MAC CEs.

* [AT118-e][028][NR17] Priority of MAC CEs (LGE)

Scope: Treat R2-2204887, R2-2205261, R2-2206038. Ph1 Determine agreeable parts. Ph2 For agreeable parts progress and agree a CR.

Intended outcome: Report, Agreed CR (if applicable)

Deadline: Schedule 1 (CB W2 if needed)

R2-2204887 LCP priority of MAC CEs LG Electronics Inc. discussion Rel-17 TEI17

R2-2205261 Discussion on LCP Priority of Rel-17 MAC CEs vivo discussion Rel-17 NR\_feMIMO-Core, NR\_IAB\_enh-Core, NR\_pos\_enh-Core, NR\_NTN\_enh-Core

R2-2206038 Cross WI coordination on LCP prioritization for UL MAC Ces Huawei, HiSilicon discussion Rel-17 Late

Not available

R2-2205853 Discussion on RAN2 signalling alternatives Ericsson discussion Late

## 6.1 NR Multicast

(NR\_MBS-Core; leading WG: RAN2; REL-17; WID: RP-201038)

Tdoc Limitation: 8 tdocs

WI has been declared 100% complete

### 6.1.1 General

#### 6.1.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

R2-2204497 LS on further outstanding issues in TS 23.247 (R3-222867; contact: Ericsson) RAN3 LS in Rel-17 NR\_MBS-Core, 5MBS To:SA2, RAN2

R2-2204517 Reply LS on maximum number of MBS sessions that can be associated to a PDU session (S2-2203050; contact: Ericsson) SA2 LS in Rel-17 5MBS To:CT1, RAN2, SA6 Cc:RAN3, SA4

R2-2206338 Response LS on maximum number of MBS sessions that can be associated to a PDU session (S4-220567; contact: Ericsson) SA4 LS in Rel-17 5MBUSA, 5MBS To:SA2, CT1 Cc:SA6, RAN2

R2-2204456 Reply LS on Multicast paging with TMGI (S3-220537; contact: Huawei) SA3 LS in Rel-17 5MBS To:SA2 Cc:RAN2

R2-2204511 LS on parameters preconfigured in the UE to receive MBS service (CP-220398; contact: Qualcomm) CT LS in Rel-17 5MBS To:SA2 Cc:CT1, CT4, SA4, RAN2, CT6

#### 6.1.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2205455 Miscellaneous corrections for MBS 38.323 Xiaomi Communications CR Rel-17 38.323 17.0.0 0090 - F NR\_MBS-Core

R2-2206120 Rapporteur proposed resolutions for MBS related RIL issues Huawei, HiSilicon other Rel-17 NR\_MBS-Core

R2-2205938 MBS corrections for TS 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3138 - F NR\_MBS-Core Late

### 6.1.3 Corrections

Information: Known correction that may be needed: FFS whether CSI-mask for multicast OnDuration is needed; For Unicast DCP monitoring/WUS configured when Multicast DRX is configured, CSI reporting, SRS impact, and whether some restriction need to be captured is FFS; On HFN < 0, R2 assumes it is up to network implementation to ensure that HFN part of RX\_DELIV should be a positive value (TS impact if any is FFS, e.g. a NOTE in RRC or PDCP)

#### 6.1.3.1 Control Plane

* [AT118-e][029][MBS] CP Broadcast (Huawei)

Scope: Treat R2-2204604, R2-2204605, R2-2205112, R2-2205462, R2-2205747, R2-2206091, R2-2206108, R2-2204608, R2-2204682, R2-2205174, R2-2205215, R2-2205671, R2-2204607, R2-2204606, R2-2204829, R2-2205539, R2-2205744, R2-2205458, R2-2204681, R2-2205111, R2-2206159, R2-2206122, R2-2205712,

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Friday

38331

Broadcast - MII

R2-2204604 [RIL-O400]-MII reporting after Handover OPPO discussion Rel-17 NR\_MBS-Core

R2-2204605 [RIL-O400]-38331CR-MII reporting after handover OPPO CR Rel-17 38.331 17.0.0 2978 - F NR\_MBS-Core

R2-2205112 Frequency of interest in MBS Interest Indication Kyocera discussion Rel-17 R2-2202909

R2-2205462 [O406], [H006] MII Reporting Samsung R&D Institute India discussion Rel-17 38.331

R2-2205747 MBS Interested Indication Ericsson discussion Rel-17 NR\_MBS-Core

R2-2206091 [H006]Discussion on MII for MBS broadcast reception on SCell Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2206108 Discussion on MBS Interest Indication TCL Communication Ltd. discussion

Broadcast – Reception on Scell

R2-2204608 [RIL-O406] Discussion on broadcast reception over Scell OPPO discussion Rel-17 NR\_MBS-Core Revised

R2-2204682 [C009][C010] On broadcast reception on SCell CATT discussion Rel-17 38.331 NR\_MBS-Core

R2-2205174 Discussion on broadcast reception over SCell OPPO Beijing discussion Rel-17 NR\_MBS-Core R2-2204608

R2-2205215 RIL406: Configuration restriction for broadcast reception on SCell OPPO Beijing CR Rel-17 38.331 17.0.0 3056 - F NR\_MBS-Core

R2-2205671 Broadcast MBS reception on SCell (RIL A021) Apple discussion Rel-17 NR\_MBS-Core

Broadcast - MTCH

R2-2204607 [RIL-O404]-38331CR-MTCH reception in beam sweeping OPPO CR Rel-17 38.331 17.0.0 2979 - F NR\_MBS-Core

R2-2204606 [RIL-O404]-38321CR-MTCH reception in beam sweeping OPPO CR Rel-17 38.321 17.0.0 1224 - F NR\_MBS-Core

Broadcast - MCCH

R2-2204829 [V530]-[V532] Correction on MCCH Acquisition vivo discussion Rel-17 NR\_MBS-Core

R2-2205539 [I201] MCCH modification period and notification Intel Corporation discussion Rel-17 NR\_MBS-Core

R2-2205744 Broadcast session start and MCCH Ericsson discussion Rel-17 NR\_MBS-Core

Broadcast - Misc

R2-2205458 RIL(X305) Discussion on the number of MRBs mapped to a MBS session Xiaomi Communications discussion Rel-17 NR\_MBS-Core

R2-2204681 [C003] Discussion on UE behavior for Broadcast MRB Modification CATT, CBN discussion Rel-17 38.331 NR\_MBS-Core

R2-2205111 Clarification of “providing SIB20” in TS38.304 Kyocera discussion Rel-17

R2-2206159 SIB20 signalling issues including optionality for cfr-ConfigMCCH-MTCH-r17 Qualcomm Incorporated discussion Rel-17 NR\_MBS-Core

R2-2206122 Discussion on configuration of additional common CORESET for MBS broadcast in RRC Connected mode (RIL: H009) Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2205712 Discussion on MRB Configuration Samsung discussion Rel-17 NR\_MBS-Core

* [AT118-e][030][MBS] CP other (CATT)

Scope: Treat R2-2204669, R2-2204827, R2-2205749, R2-2204670, R2-2204828, R2-2205249, R2-2205632, R2-2206123, R2-2205626, R2-2206124, R2-2204830, R2-2205627, R2-2204668, R2-2205745

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

Multicast - Start

R2-2204669 [C006] Correction to UE Behavior on Group Paging Handling CATT CR Rel-17 38.331 17.0.0 2991 - F NR\_MBS-Core

R2-2204827 [V500] Clarification on Group Paging for INACTIVE UE vivo discussion Rel-17 NR\_MBS-Core

R2-2205749 Multicast session start and Paging Ericsson discussion Rel-17 NR\_MBS-Core

Multicast – MRB ID change

R2-2204670 [C001] Modificaitons towards the MRB ID Change Procedure CATT CR Rel-17 38.331 17.0.0 2992 - F NR\_MBS-Core

R2-2204828 [V503][V504][V508] Correction on MRB Handling vivo discussion Rel-17 NR\_MBS-Core

R2-2205249 [V503][H002] MRB identity change procedural text issue Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core Late

R2-2205632 [C001, H002, v503, Z609] MRB ID scope and its modification on the fly ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

Multicast – misc

R2-2206123 Corrections for GroupConfig structure (RIL: H091) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_MBS-Core

R2-2205626 [H001, H005, Z608, C005] Discussion on multicast MRB and DRB in RRC ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

General

R2-2206124 Draft LS on AS-NAS layer interactions for MBS Huawei, HiSilicon LS out Rel-17 NR\_MBS-Core

R2-2204830 [V533] Correction on Logical Channel Setup for PTM Transmission vivo discussion Rel-17 NR\_MBS-Core

R2-2205627 Miscellaneous correction to TS 38331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 3106 - F NR\_MBS-Core

38304

R2-2204668 Correction to 38.304 for MBS CATT, CBN CR Rel-17 38.304 17.0.0 0237 - F NR\_MBS-Core

R2-2205745 Frequency prioritization Ericsson discussion Rel-17 NR\_MBS-Core

Further Enhancements

R2-2204555 MBS reception interruption problem in LTE and SFN in NR MBS TD Tech Ltd discussion

R2-2204624 NR MBS UAC enhancement aspects Qualcomm Inc discussion Rel-17 NR\_MBS-Core R2-2202875

R2-2204743 Discussion on MBS UAC Enhancements Spreadtrum Communications discussion Rel-17

R2-2205461 UAC for MBS Samsung R&D Institute India discussion

Withdrawn

R2-2204671 [C003] Specify the UE Behaviour for Broadcast MRB Modification CATT CR Rel-17 38.331 17.0.0 2993 - F NR\_MBS-Core Withdrawn

#### 6.1.3.2 User Plane

MAC

* [AT118-e][031][MBS] MAC (OPPO)

Scope: Treat R2-2205483, R2-2205129, R2-2205122, R2-2204609, R2-2204833, R2-2205457, R2-2205218, R2-2205437, R2-2205447, R2-2205540, R2-2204667, R2-2204744, R2-2204832, R2-2204969, R2-2205156, R2-2205449, R2-2205035, R2-2205154, R2-2205480, R2-2204831, R2-2204834, R2-2204891, R2-2204904, R2-2204905, R2-2205628, R2-2205629, R2-2205673, R2-2205709, R2-2205713, R2-2205128, R2-2205481, R2-2205748

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Friday

General

R2-2205483 Correction on the figures of MAC structure overview Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1272 - F NR\_MBS-Core

R2-2205129 Handling of MAC PDU for MBS with Reserved LCID ASUSTeK discussion Rel-17 38.321 NR\_MBS-Core

R2-2205122 Clarification on MBS MAC subPDU discard LG Electronics Inc., Nokia, Nokia Shanghai Bell draftCR Rel-17 38.321 17.0.0 F NR\_MBS-Core

Broadcast

R2-2204609 38321CR-Corrections on MCCH and MTCH reception OPPO CR Rel-17 38.321 17.0.0 1225 - F NR\_MBS-Core

R2-2204833 Correction on DL Data Transfer for MBS vivo discussion Rel-17 NR\_MBS-Core

R2-2205457 Clarification on the HARQ process used for broadcast MBS Xiaomi Communications draftCR Rel-17 38.321 17.0.0 F NR\_MBS-Core

R2-2205218 [RIL406]The timing for broadcast DRX and SCell deactivation restriction OPPO Beijing CR Rel-17 38.321 17.0.0 1263 - F NR\_MBS-Core

R2-2205437 HARQ Process Handling for MBS Broadcast Samsung R&D Institute India discussion Rel-17 38.321

R2-2205447 MBS Broadcast Retention Samsung R&D Institute India discussion Rel-17 38.321

Multicast

R2-2205540 Remaining MBS user plane open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

R2-2204667 Consideration on MAC Remaining Issues of MBS CATT discussion Rel-17 38.323 NR\_MBS-Core

R2-2204744 Corrections on MBS Spreadtrum Communications discussion Rel-17

R2-2204832 Discussion on the Coexistence of DCP and Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

R2-2204969 Remaining issues on MBS user plane Lenovo discussion Rel-17

R2-2205156 DCP monitoring/WUS and MBS DRX and miscellaneous corrections to DRX Nokia, Nokia Shanghai Bell discussion Rel-17 38.321 NR\_MBS-Core

R2-2205449 WUS and DCP monitoring for MBS Multicast Samsung R&D Institute India discussion Rel-17 38.321

R2-2205035 Discussion on CSI and SRS reporting issues CMCC discussion Rel-17 NR\_MBS-Core

R2-2205154 CSI Mask for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

R2-2205480 Remaining issues on CSI reporting for multicast Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2204831 Discussion on CSI-mask Configuration with Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

R2-2204834 Correction on Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

R2-2204891 Discussion on the impact of CSI and SRS due to multicast DRX NEC Europe Ltd discussion Rel-17 NR\_MBS-Core

R2-2204904 The timing for broadcast DRX and editorial corrections for multicast DRX OPPO CR Rel-17 38.321 17.0.0 1241 - F NR\_MBS-Core

R2-2204905 Corrections on CSI-mask and DCP coexistence for multicast DRX MediaTek inc. discussion Rel-17 NR\_MBS-Core

R2-2205628 CSI and SRS reporting in MBS DRX ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

R2-2205629 Correction on CSI and SRS reporting for multicast DRX to 38321 ZTE, Sanechips CR Rel-17 38.321 17.0.0 1276 - F NR\_MBS-Core

R2-2205673 Leftover issues on multicast DRX mechanism Apple discussion Rel-17 NR\_MBS-Core

R2-2205709 Discussion on CSI reporting due to multicast DRX LG Electronics Inc. discussion Rel-17 NR\_MBS-Core

R2-2205713 Remaining Issues on Multicast DRX Samsung discussion Rel-17 NR\_MBS-Core

R2-2205128 Discussion on unicast retransmission for MBS transmission ASUSTeK discussion Rel-17 38.321 NR\_MBS-Core

R2-2205481 Clarification on DRX timers for multicast Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2205748 Multicast and CSI, SRS and DCP Ericsson discussion Rel-17 NR\_MBS-Core

PDCP

* [AT118-e][032][MBS] PDCP (Xiaomi)

Scope: Treat R2-2204626, R2-2204683, R2-2204906, R2-2205714, R2-2205630, R2-2205479, R2-2205155, R2-2205454, Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

R2-2204626 R17 MBS UP remaining issues Qualcomm India Pvt Ltd discussion Rel-17 NR\_MBS-Core

R2-2204683 Consideration on PDCP Remaining Issues of MBS CATT discussion Rel-17 38.323 NR\_MBS-Core

R2-2204906 Discussion on HFN negative value for multicast MediaTek inc. discussion Rel-17 NR\_MBS-Core

R2-2205714 Correction of PDCP for MBS Samsung discussion Rel-17 NR\_MBS-Core

R2-2205630 Remaining issues in PDCP layer for NR MBS ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

R2-2205479 Further discussion on how to prevent negative HFN Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2205155 Setting of RX\_DELIV for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

R2-2205454 Discussion on the HFN issue for multicast Xiaomi Communications discussion Rel-17 NR\_MBS-Core

### 6.1.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

* [AT118-e][033][MBS] UE capabilites (MediaTek)

Scope: Treat R2-2204625, R2-2204907, R2-2205541, R2-2205746, R2-2205750, R2-2205855, R2-2205939, R2-2206114. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

R2-2204625 R17 MBS UE capabilities Qualcomm India Pvt Ltd discussion Rel-17 NR\_MBS-Core

R2-2204907 Discussion on mandatory ROHC support for MBS broadcast MediaTek inc. discussion Rel-17 NR\_MBS-Core

R2-2205541 Remaining MBS UE capability open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

R2-2205746 Impact of MBS broadcast on paging and SIBs Ericsson discussion Rel-17 NR\_MBS-Core

R2-2205750 UE capabilities for MBS Ericsson discussion Rel-17 NR\_MBS-Core

R2-2205855 UE support for ROHC profiles and context sessions Ericsson discussion Rel-17 NR\_MBS-Core

R2-2205939 Discussion on UE capabilities for MBS Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

R2-2206114 UE capability discussion for MBS Xiaomi Communications discussion Rel-17 NR\_MBS-Core

Not Available

R2-2206109 Discussion on R17 MBS UE capability open issues TCL Communication Ltd. discussion Rel-17

### 6.1.5 Other

* [AT118-e][034][MBS] Other (ZTE)

Scope: Treat R2-2205625, R2-2205672, R2-2205482, R2-2205631, R2-2205484, R2-2205456. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

38300 related

R2-2205625 Miscellaneous correction to TS 38300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0463 - F NR\_MBS-Core

R2-2205672 Clarification on the support of MBS in MR-DC Apple discussion Rel-17 NR\_MBS-Core

R2-2205482 Correction on Stage 2 specs Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0460 - F NR\_MBS-Core

R2-2205631 [Z606, Z607] Discussion on SDAP for NR MBS ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

37340 related

R2-2205484 Addition of MBS related clarifications in 37340 Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0318 - F NR\_MBS-Core

R2-2205456 Introduction of MBS for MRDC Xiaomi Communications CR Rel-17 37.340 17.0.0 0317 - B NR\_MBS-Core

Further Enhancement

R2-2204647 R17 MBS power saving enhancement aspect Shanghai Jiao Tong University discussion

R2-2205338 UE based PTM to PTP switch Sony discussion Rel-17 NR\_MBS-Core R2-2200905

## 6.2 MR DC/CA further enhancements

(LTE\_NR\_DC\_enh2-Core; leading WG: RAN2; REL-17; WID: RP-201040)

Tdoc Limitation: 8 tdocs

No documents should be submitted to 6.2. Please submit to.6.2.x

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

WI has been declared 100% complete

### 6.2.1 Organizational

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

R2-2204435 Reply LS on RAN2 agreements for TRS-based Scell activation (R1-2202706; contact: Huawei) RAN1 LS in Rel-17 LTE\_NR\_DC\_enh2 To:RAN2

R2-2204479 LS reply on UE behaviour for deactivated SCG and value range for measCycle (R4-2207019; contact: Ericsson) RAN4 LS in Rel-17 LTE\_NR\_DC\_enh2-Core To:RAN2

R2-2204493 Reply LS on CPAC (R3-222754; contact: Lenovo) RAN3 LS in Rel-17 LTE\_NR\_DC\_enh2-Core To:RAN2

R2-2204546 Corrections on TS 37.340 for DCCA enhancements ZTE Corporation, Sanechips, CATT CR Rel-17 37.340 17.0.0 0310 - F LTE\_NR\_DC\_enh2-Core

R2-2205057 MAC correction on eDCCA vivo CR Rel-17 38.321 17.0.0 1250 - F LTE\_NR\_DC\_enh2-Core

R2-2205796 [Z012] Value range for measCyclePSCell Ericsson, ZTE Corporation discussion LTE\_NR\_DC\_enh2-Core

R2-2205925 Introduction of further MRDC enhancements Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0362 2 B LTE\_NR\_DC\_enh2-Core R2-2204014

R2-2205930 Issue list for 36.331 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

R2-2205931 Issue list for 38.331 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

R2-2205936 Corrections on further MRDC enhancements Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4813 - F LTE\_NR\_DC\_enh2-Core Late

R2-2205937 Corrections on further MRDC enhancements Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3137 - F LTE\_NR\_DC\_enh2-Core Late

R2-2206142 Summary of [Pre118-e][203][DCCA] 38331 36331 CRs and rapporteur resolutions (Huawei) Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 6.2.2 Efficient activation / deactivation mechanism for one SCG and SCells

Including essential corrections to of SCG activation/deactivation. Proposals that do not provide Stage-3 details will not be treated.

R2-2204621 (TP for CR to TS 38.331) Efficient SCG deactivation/activation Qualcomm Incorporated discussion Rel-17

R2-2204754 Discussion on SCG activation Spreadtrum Communications discussion Rel-17

R2-2204909 Beam failure detection upon SCG deactivation Fujitsu draftCR Rel-17 38.321 17.0.0 F LTE\_NR\_DC\_enh2-Core

R2-2204910 [F001] Beam failure detection upon SCG deactivation Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2204956 MAC related issues upon SCG activation and deactivation Lenovo discussion Rel-17

R2-2205058 Discussion on MAC remaining issue vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205060 Discussion on SCG activation/deactivation processing vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205061 Discussion on PDCP duplication handling while SCG is deactivated vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205062 Discussion on whether cause value is needed in the SCG deactivation preference reporting vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205245 37.340 corrections regarding deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.0.0 0314 - F LTE\_NR\_DC\_enh2-Core

R2-2205246 38.331 corrections on deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3058 - F LTE\_NR\_DC\_enh2-Core

R2-2205247 Correction to deactivated SCG UL SRB3 handling Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3059 - F LTE\_NR\_DC\_enh2-Core

R2-2205248 38.321 corrections on deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1264 - F LTE\_NR\_DC\_enh2-Core

R2-2205259 Network behaviour at/while SCG deactivation Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205260 Remaining issues on UL data arrival for SCG Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core R2-2202282

R2-2205273 Remaining issues for BFD indication in deactivated SCG Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205274 CR on 38.321 for Remaining issues for BFD indication in deactivated SCG Sharp CR Rel-17 38.321 17.0.0 1267 - F LTE\_NR\_DC\_enh2-Core

R2-2205275 Remaining issues for configured grant Type 1 in deactivated SCG Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205276 CR on 38.321 for Remaining issues for configured grant Type 1 in deactivated SCG Sharp CR Rel-17 38.321 17.0.0 1268 - B LTE\_NR\_DC\_enh2-Core

R2-2205277 RACH-less SCG activation by SCG activation command with BFD RS change Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205278 CR on 38.331 for RACH-less SCG activation by SCG activation command with BFD RS change Sharp CR Rel-17 38.331 17.0.0 3062 - F LTE\_NR\_DC\_enh2-Core

R2-2205279 CR on 38.321 for RACH-less SCG activation by SCG activation command with BFD RS change Sharp CR Rel-17 38.321 17.0.0 1269 - F LTE\_NR\_DC\_enh2-Core

R2-2205280 [J006] Correction of BFD procedure Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205367 Corrections on eDCCA vivo CR Rel-17 37.340 17.0.0 0316 - F LTE\_NR\_DC\_enh2-Core

R2-2205422 Discussion on Beam Failure Information for Deactivated SCG CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205423 Discussion on PDCP Duplication for SCG Deactivation CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205424 Discussion on SCG Activation and Deactivation Indication to Lower Layer CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205797 [E129] Stop/resume BFD at beam failure for deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

R2-2205798 [E130] Cause values for UAI indicating preference for SCG deactivation Ericsson discussion LTE\_NR\_DC\_enh2-Core

R2-2205799 [E131] Handling of UAI for deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

R2-2205800 [E035] Define the content of TCI-Info Ericsson discussion LTE\_NR\_DC\_enh2-Core

R2-2205926 Corrections for SCG (de)activation Huawei, HiSilicon draftCR Rel-17 37.340 17.0.0 F LTE\_NR\_DC\_enh2-Core

R2-2205928 Discussion on the Editor notes of SCG(de)activation in 38.321 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205929 Correction on 38.321 Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1291 - F LTE\_NR\_DC\_enh2-Core

R2-2205932 [38.331 - H061] Performing SCG activation/deactivation at the right step Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

R2-2205949 On RACH resources for SCG activation InterDigital discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 6.2.3 Conditional PSCell change / addition

Including essential corrections to of CPAC. Proposals that do not provide Stage-3 details will not be treated.

R2-2204623 (TP for CR to TS 38.331) Conditional PSCell change/addition Qualcomm Incorporated discussion Rel-17

R2-2204801 Discussion RRCReconfiguration for CPC and CHO vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2204802 Correction on full configuration in TS 37.340 vivo CR Rel-17 37.340 17.0.0 0312 - F LTE\_NR\_DC\_enh2-Core

R2-2204903 Clarifications on CPAC procedures NEC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2204957 Miscellaneous corrections to 37.340 CPAC Lenovo discussion Rel-17

R2-2205164 Further consideration on CPAC/CHO coexistence ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205165 Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 37.340 17.0.0 LTE\_NR\_DC\_enh2-Core

R2-2205166 Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 LTE\_NR\_DC\_enh2-Core

R2-2205167 Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 36.331 17.0.0 LTE\_NR\_DC\_enh2-Core

R2-2205168 [E022] [V190] Discussion on conditional reconfiguration removal ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205169 [Z007] Correction to CondReconfigToAddModList ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 LTE\_NR\_DC\_enh2-Core

R2-2205170 [Z003] Correction to CondReconfigurationToAddModList ZTE Corporation, Sanechips draftCR Rel-17 36.331 17.0.0 LTE\_NR\_DC\_enh2-Core

R2-2205171 [Z003][Z004] Discussion on applicable events for execution conditions ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205426 Discussion on the Remaining Issues of CPAC CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205444 Miscellaneous CPAC corrections related to RIL E022, E023, E024 and E029 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205445 CPA and DAPS handover correction of RIL E050 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205446 Correction CR for MR-DC Ericsson CR Rel-17 37.340 17.0.0 0320 - F LTE\_NR\_DC\_enh2-Core

R2-2205485 [E023] Introduction of UE variable for SN configured conditional Reconfigurations Samsung R&D Institute UK discussion

R2-2205524 Resolving incomplete CPAC issues Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205525 Rel-17 CPAC corrections to 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3098 - F LTE\_NR\_DC\_enh2-Core

R2-2205526 Rel-17 CPAC corrections to 36.331 Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.0.0 4801 - F LTE\_NR\_DC\_enh2-Core

R2-2205527 Rel-17 CPAC corrections to 37.340 Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.0.0 0319 - F LTE\_NR\_DC\_enh2-Core

R2-2205665 Introducing target cell ID to CPAC RRC Apple discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205831 Corrections to 37.340 for CPAC and CHO co-existence InterDigital CR Rel-17 37.340 17.0.0 0321 - F LTE\_NR\_DC\_enh2-Core

R2-2205927 Corrections for CPAC Huawei, HiSilicon draftCR Rel-17 37.340 17.0.0 F LTE\_NR\_DC\_enh2-Core

R2-2206116 Miscellaneous CPAC corrections related to RIL E022, E023, E024 and E029 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2206139 [38.331 - H110] Applicable cell for a conditional reconfiguration Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2206140 [38.331 - H111] Handling of conditional configurations Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2206141 [38.331 - H067] Update of candidate target cell and configuration Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 6.2.4 Temporary RS for SCell activation

Including essential corrections to of temporary RS for SCell activation. Proposals that do not provide Stage-3 details will not be treated.

R2-2204610 [RIL-O405]-38331CR Corrections on TRS based SCell activation OPPO CR Rel-17 38.331 17.0.0 2980 - F LTE\_NR\_DC\_enh2-Core

R2-2204978 Leftover issues for TRS based SCell activation Samsung discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205059 Discussion on Temporary RS activation for fast SCell activation vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205505 [E067][E068] TRS-based SCell activation Ericsson discussion

### 6.2.5 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to RAN2-specific UE capabilities for SCG activation/deactvation, CPAC and temporary RS for SCell activation. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

R2-2205425 Discussion on UE Capability of CPAC CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

R2-2205934 Clarification on inter-SN CPC UE capability Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0729 - F LTE\_NR\_DC\_enh2-Core Late

## 6.3 Multi SIM

(LTE\_NR\_MUSIM-Core; leading WG: RAN2; REL-17; WID: RP-212610)

Tdoc Limitation: 5 tdocs

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

WI has been declared 100% complete

### 6.3.1 Organizational

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

R2-2204442 LS reply on RAN2 agreements for paging with service indication (S2-2201838 ; contact: vivo) SA2 LS in Rel-17 MUSIM, LTE\_NR\_MUSIM-Core To:RAN2 Cc:CT1, RAN3, SA3

R2-2204481 Reply LS on RAN2’s agreement for MUSIM gaps (R4-2207032; contact: vivo) RAN4 LS in Rel-17 LTE\_NR\_MUSIM-Core To:RAN2

R2-2204542 Introduction of Multi-USIM devices to 36.304 China Telecommunications CR Rel-17 36.304 17.0.0 0845 - B LTE\_NR\_MUSIM-Core

R2-2204892 Correction of NR RRC support for MUSIM vivo(Rapporteur) CR Rel-17 38.331 17.0.0 3014 - F LTE\_NR\_MUSIM-Core Late

R2-2204893 Comments on MUSIM NR RRC Editorial class 0 issues vivo(Rapporteur) other Rel-17 LTE\_NR\_MUSIM-Core Late

R2-2204894 RIL List comments on MUSIM NR RRC vivo(Rapporteur) other Rel-17 LTE\_NR\_MUSIM-Core Late

R2-2205848 Corrections on MUSIM in LTE Samsung Electronics Co., Ltd CR Rel-17 36.331 17.0.0 4808 - F LTE\_NR\_MUSIM-Core Late

R2-2205854 Discussion on Editorial class 0 issues and RIL issues for MUSIM in LTE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core Late

### 6.3.2 Paging collision avoidance and paging with service indication

Including essential corrections to paging collision avoidance and paging with service indication. Proposals that do not provide Stage-3 details will not be treated.

Including discussion on whether something needs to be captured in RAN2 specifications on UE behavior for NAS-based busy indication in RRC\_INACTIVE (which was postponed in RAN2#117e)

R2-2204617 Paging cause handling for RRC-INACTIVE Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2204787 Corrections on Paging Cause for 38.331 [O800] OPPO discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2204788 Corrections on Paging Cause for 36.331 [O806] OPPO draftCR Rel-17 36.331 17.0.0 F LTE\_NR\_MUSIM-Core

R2-2204789 LS on NAS-AS interaction for paging cause OPPO LS out Rel-17 LTE\_NR\_MUSIM-Core To:CT1 Cc:SA2

R2-2205172 Discussion on the cross layer indication for paging cause Huawei, HiSilicon discussion Rel-17

R2-2205173 UE behaviour for NAS busy indication in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-17

R2-2205216 Corrections to TS 38.300 spec for MUSIM Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 LTE\_NR\_MUSIM-Core

R2-2205336 Further Consideration on the Inactive State Busy Indication ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205542 Specifying UE behaviour for Paging cause for RAN based Paging Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205762 Clarification on UE behavior for NAS-based busy indication in RRC\_INACTIVE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core R2-2202239

### 6.3.3 NW switching for multi-SIM without leaving RRC\_CONNECTED

Including essential corrections to procedures for NW switching for multi-SIM without leaving RRC\_CONNECTED. Proposals that do not provide Stage-3 details will not be treated.

R2-2204614 Alternative ASN.1 for MUSIM Gap Configuration Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2204615 Alignment of text for MUSIM gap configuration Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2204895 Discussion on handling of MUSIM gaps vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2204896 Discussion on MUSIM gap priority vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205042 Clarification on MAC behaviour during MUSIM gaps NEC CR Rel-17 38.321 17.0.0 1248 - F LTE\_NR\_MUSIM-Core

R2-2205120 Stop using of MUSIM Gap requested to be released Sharp discussion R2-2202770

R2-2205197 Corrections to NW switching procedure without leaving RRC\_CONNECTED Huawei, HiSilicon discussion Rel-17

R2-2205312 [H083] Corrections to NR RRC for MUSIM Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 LTE\_NR\_MUSIM-Core

R2-2205322 Further consideration on the MUSIM gaps ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205652 Additional Issues related to MUSIM Apple discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205755 Mandatory values for Multi-USIM gap patterns Ericsson discussion

R2-2205758 Alignment between RAN2 and RAN4 Multi-USIM gap Ericsson discussion

R2-2205759 IE harmonization for MUSIM UAI and gap configuration Ericsson discussion

R2-2205763 [S676] Further discussion on handling of musim-GapConfig in RRC\_INACTIVE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205765 [S676] Correction on handling of musim-GapConfig in RRC\_INACTIVE\_Opt 1 Samsung Electronics Co., Ltd CR Rel-17 38.331 17.0.0 3115 - F LTE\_NR\_MUSIM-Core

R2-2205767 [S676] Correction on handling of musim-GapConfig in RRC\_INACTIVE\_Opt 2 Samsung Electronics Co., Ltd CR Rel-17 38.331 17.0.0 3116 - F LTE\_NR\_MUSIM-Core

R2-2205772 [S677] Correction on the IE MUSIM-GapConfig in ASN.1 Samsung Electronics Co., Ltd discussion Rel-17 38.331 LTE\_NR\_MUSIM-Core

R2-2205964 Configuration of MUSIM Gaps Qualcomm Incorporated discussion

### 6.3.4 NW switching for multi-SIM with leaving RRC\_CONNECTED

Including essential corrections to procedures for NW switching for multi-SIM with leaving RRC\_CONNECTED. Proposals that do not provide Stage-3 details will not be treated.

R2-2204618 On remaining issues for UAI related to MUSIM Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2204747 Remaining issues about UE indication on switching Spreadtrum Communications discussion Rel-17

R2-2205130 Interaction between NAS and AS for network switching ASUSTeK discussion Rel-17 38.304 LTE\_NR\_MUSIM-Core

R2-2205211 Further clarification on the wait timer for NW switching with leaving RRC\_CONNECTED Huawei, HiSilicon discussion Rel-17

R2-2205501 [L020] Correction for AS-based leaving when RAN paging in MUSIM LG Electronics Finland discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205729 Further clarification on the waiting timer for leaving connected state [Z294][O802] ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205757 Behaviour of wait timer Ericsson discussion

### 6.3.5 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to RAN2-specific UE capabilities for MUSIM. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

R2-2204616 Editorial corrections for UE capability Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2205547 Need for UE capability for Paging cause for RAN ID based paging Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

R2-2205756 Remaining aspects on UE capabilities for Multi-USIM and other issues Ericsson discussion

## 6.4 NR IAB enhancements

(NR\_IAB\_enh-Core; leading WG: RAN2; REL-17; WID: RP-211548)

Time budget: 0.25 TU (for exception sheet)

Tdoc Limitation: 5 tdocs

### 6.4.1 General

#### 6.4.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

R2-2204430 LS on upper layers parameters for Rel-17 eIAB (R1-2202947; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh To:RAN2, RAN3 Cc:RAN4

R2-2204446 LS on upper layers parameters for Rel-17 eIAB (R1-2202737; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh To:RAN2, RAN3 Cc:RAN4

R2-2204460 Reply LS on range of power control parameters for eIAB (R1-2202877; contact: Samsung) RAN1 LS in Rel-17 To:RAN4 Cc:RAN2

R2-2204461 LS on Rel-17 NR eIAB for TS 38.300 (R1-2202884; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh-Core To:RAN2

R2-2205163 LS on eIAB MAC CEs Samsung R&D Institute UK LS out NR\_IAB\_enh-Core To:RAN1 Cc:RAN4

#### 6.4.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2204897 Miscilaneous Corrections to 37340 vivo(Rapporteur) CR Rel-17 37.340 17.0.0 0313 - B NR\_IAB\_enh-Core

R2-2205253 Miscellaneous CR for TS 38.340 Huawei, HiSilicon CR Rel-17 38.340 17.0.0 0024 - F NR\_IAB\_enh-Core

R2-2205268 CR to 38.321 on Integrated Access and Backhaul for NR Rel-17 Samsung R&D Institute UK CR Rel-17 38.321 17.0.0 1266 - B NR\_IAB\_enh-Core

R2-2205899 Miscellaneous Rapporteur RRC corrections to IAB Ericsson CR Rel-17 38.331 17.0.0 3134 - F NR\_IAB\_enh-Core

### 6.4.3 Open Issues

Issues listed in exception sheet, see RP-220519

R2-2205139 Slot index signalling options and way forward Samsung R&D Institute UK discussion

R2-2205288 Discussion on new MAC CEs in the exception sheet LG Electronics Inc. discussion Rel-17 NR\_IAB\_enh-Core

R2-2205895 Addressing the new Rel.17 IAB MAC CEs Ericsson discussion NR\_IAB\_enh-Core

R2-2205896 Corrections to IAB MAC CEs design in MAC specification Ericsson CR Rel-17 38.321 17.0.0 1290 - B NR\_IAB\_enh-Core

R2-2205897 Corrections to IAB MAC CEs design in RRC specification Ericsson CR Rel-17 38.331 17.0.0 3132 - B NR\_IAB\_enh-Core

### 6.4.4 Corrections

R2-2205147 Miscellaneous eIAB corrections to 38.300 Samsung R&D Institute UK CR Rel-17 38.300 17.0.0 0455 - F NR\_IAB\_enh-Core

R2-2206040 Miscellaneous corrections to 38.340 for eIAB Qualcomm Incorporated CR Rel-17 38.340 17.0.0 0026 F NR\_IAB\_enh

#### 6.4.4.1 Control Plane

R2-2204790 Miscellaneous corrections on IAB in 37.340 ZTE, Sanechips CR Rel-17 37.340 17.0.0 0311 - F NR\_IAB\_enh-Core

R2-2204792 Miscellaneous corrections on IAB in 38.331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 2997 - F NR\_IAB\_enh-Core

R2-2204898 Corrections to 38300 vivo CR Rel-17 38.300 17.0.0 0449 - B NR\_IAB\_enh-Core

R2-2204899 Corrections to 38340 vivo CR Rel-17 38.340 17.0.0 0022 - B NR\_IAB\_enh-Core

R2-2204911 [F008] CR for 38.331 on deriving the topology of IP address configuration Fujitsu draftCR Rel-17 38.331 17.0.0 F NR\_IAB\_enh-Core

R2-2204977 Correction on BH RLF detection indication Lenovo (Beijing) Ltd draftCR Rel-17 38.300 17.0.0 F NR\_IAB\_enh-Core

R2-2205160 Miscellaneous eIAB corrections to 38.331 Samsung R&D Institute UK CR Rel-17 38.331 17.0.0 3054 - F NR\_IAB\_enh-Core

R2-2205500 [S726][S727] Handling of IP address requestreport for IAB MR-DC scenarios Samsung R&D Institute UK discussion

R2-2205521 Inclusion of IABOtherInformation message in RRC Transfer procedure Samsung R&D Institute UK draftCR Rel-17 37.340 17.0.0 NR\_IAB\_enh-Core

R2-2205898 Corrections to IABOtherInformation [E144] Ericsson CR Rel-17 38.331 17.0.0 3133 - F NR\_IAB\_enh-Core

R2-2206094 [H044] [H045] Corrections on the AvailabilityCombination for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3168 - F NR\_IAB\_enh-Core

R2-2206095 [H041] Corrections on the BAP entity release for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3169 - F NR\_IAB\_enh-Core

#### 6.4.4.2 User Plane

R2-2204793 Miscellaneous IAB Corrections on BAP in 38.340 ZTE, Sanechips CR Rel-17 38.340 17.0.0 0021 - F NR\_IAB\_enh-Core

R2-2204881 Local congestion-based re-routing at divergence point of DL paths Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_IAB\_enh-Core

R2-2204900 Corrections to 38321 vivo CR Rel-17 38.321 17.0.0 1240 - B NR\_IAB\_enh-Core

R2-2204901 On Padding BSR Procedure of IAB vivo discussion Rel-17 NR\_IAB\_enh-Core

R2-2204912 Miscellaneous corrections to TS 38.340 Fujitsu CR Rel-17 38.340 17.0.0 0023 - F NR\_IAB\_enh-Core

R2-2204913 SCG deactivation impact on NR eIAB Fujitsu discussion Rel-17 NR\_IAB\_enh-Core

R2-2205041 Clarification on extended BSR of eIAB for TS 38.300 NEC CR Rel-17 38.300 17.0.0 0452 - F NR\_IAB\_enh-Core

R2-2205254 Corrections on the handling of unknown, unforeseen, and erroneous protocol data for header rewriting case in TS 38.340 Huawei, HiSilicon CR Rel-17 38.340 17.0.0 0025 - F NR\_IAB\_enh-Core

R2-2205255 Corrections on the Extended BSR MAC CE and case-6 timing mode for eIAB Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1265 - F NR\_IAB\_enh-Core

R2-2205287 Correction on extended BSR procedure and RIL [S733] LG Electronics Inc. discussion Rel-17 NR\_IAB\_enh-Core

### 6.4.5 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

R2-2204791 Correction on IAB-MT capability of header rewriting based re-routing ZTE, Sanechips CR Rel-17 38.306 17.0.0 0702 - F NR\_IAB\_enh-Core

R2-2205258 Corrections on the bapHeaderRewriting-Routing and lcg-ExtensionIAB for eIAB Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0711 - F NR\_IAB\_enh-Core

### 6.4.6 Other

R2-2204794 Miscellaneous IAB Corrections in 38.300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0444 - F NR\_IAB\_enh-Core

R2-2205256 Corrections on rerouting in TS 38.300 for eIAB Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0456 - F NR\_IAB\_enh-Core

R2-2205257 Corrections on F1-C traffic transfer for eIAB in TS 37.340 Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0315 - F NR\_IAB\_enh-Core

R2-2205900 Corrections to IAB MR-DC procedures Ericsson CR Rel-17 37.340 17.0.0 0322 - F NR\_IAB\_enh-Core

R2-2205902 Miscellaneous corrections to IAB stage-2 specification Ericsson CR Rel-17 38.300 17.0.0 0468 - F NR\_IAB\_enh-Core

## 6.5 NR IIoT URLLC

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

Tdoc Limitation: 3 tdocs

WI has been declared 100% complete

### 6.5.1 Organizational

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

R2-2204416 RE: LS on Time Synchronization IEEE 1588 WG LS in To:RAN, SA Cc:RAN2

=> Withdrawn (replaced by R2-2206117)

R2-2204480 Reply LS on propagation delay compensation (R4-2207021; contact: Huawei) RAN4 LS in Rel-17 NR\_IIOT\_URLLC\_enh-Core To:RAN1, RAN2

R2-2204519 Reply Time Synchronization support in 3GPP (S2-2203229; contact: Ericsson) SA2 LS in Rel-17 IIoT To:ITU-T SG-15 Cc:RAN2

R2-2205506 Summary of [Pre118-e][502][IIoT URLLC] 38331 CR and rapporteur resolutions (Ericsson) Ericsson discussion Late

R2-2205507 Correction for enhanced IIoT&URLLC support for NR Ericsson CR Rel-17 38.331 17.0.0 3093 - F NR\_IIOT\_URLLC\_enh-Core Late

R2-2205683 CR for procedure level alignment of UL skipping Apple CR Rel-17 38.321 17.0.0 1280 - D NR\_IIOT\_URLLC\_enh-Core

R2-2205710 Correction for Enhanced NR IIoT and URLLC in 38.321 Samsung CR Rel-17 38.321 17.0.0 1281 - F NR\_IIOT\_URLLC\_enh-Core

R2-2205732 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

R2-2205734 [DRAFT] Reply LS on RAN feedback for low latency ZTE Corporation, Sanechips LS out Rel-17 NR\_IIOT\_URLLC\_enh-Core To:SA2 Cc:RAN3

R2-2206117 RE: LS on Time Synchronization IEEE 1588 WG LS in

### 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

R2-2204758 [O500,O501] Clarification on the usage of sib9Fallback OPPO draftCR Rel-17 38.331 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

R2-2204866 Remaining issue of PDC calculation based on measurements for single pair of RSs Huawei, HiSilicon discussion Rel-17 38.331 NR\_IIOT\_URLLC\_enh-Core

R2-2204867 Resolution of remaining issue of PDC calculation Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3006 - F NR\_IIOT\_URLLC\_enh-Core

R2-2204868 Miscellenous corrections to RRC spec for IIoT [H701] [H702] [H703] Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3007 - F NR\_IIOT\_URLLC\_enh-Core

R2-2205508 Multi-TB scheduling in UCE Ericsson discussion

R2-2205509 On unresolved RIL issues Ericsson discussion

R2-2206006 Discussion on ta-PDC and sib9Fallback for IIoT ZTE Corporation, Sanechips discussion Rel-17 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

R2-2204665 Correction on Simultaneous PUCCH/PUSCH Transmission CATT discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

R2-2204666 Corrections on the description of simultaneous PUCCH/PUSCH transmission CATT CR Rel-17 38.321 17.0.0 1226 - F NR\_IIOT\_URLLC\_enh-Core

R2-2204759 Correction on the simultaneous PUCCH PUSCH transmission OPPO, Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

R2-2204760 Open issues on the termination of the CGT OPPO discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

R2-2205019 Correction on duplication activation for survival time state entry Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0450 - F NR\_IIOT\_URLLC\_enh-Core

R2-2205020 Correction on duplication activation with UL retransmission grant reception Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1246 - F NR\_IIOT\_URLLC\_enh-Core

R2-2205021 Corrections on HARQ feedback deferral Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1247 - F NR\_IIOT\_URLLC\_enh-Core

R2-2205460 Clarification on the SPS HARQ deferral Xiaomi Communications draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core Revised

R2-2205510 correction for PDCP duplication with survivalTimeSupport Ericsson, Samsung draftCR Rel-17 38.321 17.0.0 NR\_IIOT\_URLLC\_enh-Core

R2-2205680 Impact of Rel-17 PHY prioritization on MAC Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

R2-2205681 Draft CR for impact of Rel-17 PHY prioritization on MAC Apple draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

R2-2205711 Correction of HARQ RTT Timer Handling Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core Late

R2-2206028 Clarification on the SPS HARQ deferral Xiaomi Communications, Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core R2-2205460

## 6.6 Small Data enhancements

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

Tdoc Limitation: 3 tdocs

WI has been declared 100% complete

### 6.6.1 Organizational

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

R2-2204431 NAS's trigger for resume for SDT (C1-221891; contact: OPPO) CT1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

R2-2204445 Reply LS on the physical layer aspects of small data transmission (R1-2202656; contact: ZTE) RAN1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

R2-2204455 Reply LS on Security of Small data transmission (S3-220463; contact: Intel) SA3 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2 Cc:RAN3

R2-2205552 [Draft] LS on the L1 related agreements for SDT ZTE Corporation (rapporteur) LS out Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN1

R2-2205834 Corrections on SDT Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0465 - F NR\_SmallData\_INACTIVE-Core

R2-2206017 Introduction of Small Data Transmission into 38.304 vivo CR Rel-17 38.304 17.0.0 0251 - B NR\_SmallData\_INACTIVE-Core

R2-2206065 Alignment of DRX for Paging with RRC for SDT vivo CR Rel-17 38.304 17.0.0 0251 1 F NR\_SmallData\_INACTIVE-Core

### 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

R2-2204533 Corrections to RA Trigger during the ongoing CG-SDT procedure Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.0.0 NR\_SmallData\_INACTIVE-Core

R2-2204534 Corrections to UL TA handling upon Contention resolution during CG-SDT Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.0.0 NR\_SmallData\_INACTIVE-Core

R2-2204836 [V537]-[V540] L1 Parameter Correction for CG-SDT vivo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2204973 Consideration on UP Remaining Issues of SDT CATT discussion NR\_SmallData\_INACTIVE-Core

R2-2204983 Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1243 - F NR\_SmallData\_INACTIVE-Core

=> Revised in R2-2206066

R2-2206066 Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1243 1 F NR\_SmallData\_INACTIVE-Core

R2-2205045 Remaining user plane issues of SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205152 Consideration on Stored RSRP for CG-SDT TA validation CATT discussion NR\_SmallData\_INACTIVE-Core

R2-2205214 Remaining UP open issues for SDT Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205217 TP for RNAU with CG Type 1 and PDCP control PDU transmission Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205243 Remaining issues of SDT UP aspects Qualcomm Incorporated discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205270 Discussion on remaining UP issues of SDT OPPO discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205271 Correction for RACH triggered events OPPO draftCR Rel-17 38.300 17.0.0 NR\_SmallData\_INACTIVE-Core

R2-2205289 Correction to TA validation for CG-SDT Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1270 - F NR\_SmallData\_INACTIVE-Core

R2-2205343 Collison of PUCCH and PUSCH for SDT Sony discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205550 User plane open issues for SDT ZTE Corporation, Sanechips discussion Rel-17

R2-2205588 CG timer use in CG-SDT procedure Ericsson discussion Rel-17 38.321 NR\_SmallData\_INACTIVE-Core

R2-2205597 Validation of CG-SDT occasions Ericsson discussion Rel-17 38.321 NR\_SmallData\_INACTIVE-Core

R2-2205835 MAC procedure issues Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1286 - F NR\_SmallData\_INACTIVE-Core

R2-2205836 UP procedure issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205940 Stage-2 corrections for Small Data Transmission Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 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

R2-2204532 Corrections for paging-emergency SIBs-RRCRelease duriing SDT Samsung Electronics Co., Ltd draftCR Rel-17 38.300 17.0.0 NR\_SmallData\_INACTIVE-Core

R2-2204835 [V534][V536] RRC Procedural Corrections for SDT vivo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2204972 Further considerations upon reception of RRC Release CATT discussion NR\_SmallData\_INACTIVE-Core Late

R2-2204984 [H549] Correction for restoring the logical channel configuration from UE context Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3022 - F NR\_SmallData\_INACTIVE-Core

R2-2204985 [H559] Correction for transitition to RRC\_CONNECTED for SDT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3023 - F NR\_SmallData\_INACTIVE-Core

R2-2205043 UAC upon non-SDT data arrival NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205044 [W002][W005] Control plane issues of SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205221 TP for the PDCP control PDU transmission and UAC with CG Type 1 Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205244 Remaining issues of SDT CP aspects Qualcomm Incorporated discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205354 Discussion on the NAS aspects of Small Data Transmission Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205355 [H562] Correction for internode message for SDT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3073 - F NR\_SmallData\_INACTIVE-Core

R2-2205459 RIL(X304) Clarification on the cell configured for CG-SDT Xiaomi Communications discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205548 Control plane open issues for SDT ZTE Corporation, Sanechips discussion Rel-17

R2-2205549 SDT RRC Corrections ZTE Corporation (rapporteur) CR Rel-17 38.331 17.0.0 3100 - F NR\_SmallData\_INACTIVE-Core Late

R2-2205551 RRC RIL issue summary for SDT ZTE Corporation (rapporteur) report Late

R2-2205590 Actions on receiving indication of failure to perform SDT procedure Ericsson discussion Rel-17 38.331 NR\_SmallData\_INACTIVE-Core

R2-2205668 SDT related RIL Issues (RIL A000, A001, A002, A003, A004, A005,A007) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205669 SDT TAT related RIL Issue (RIL A019) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205670 UAC operation during the CG-SDT procedure (RIL A006) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205788 SDT CP procedure issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE

R2-2205818 [I503] Reception of RRCRelease for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205819 [I511] T319a maximum range Intel Corporation, Sony discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205820 [I505] Search space for pdcch-Config of CG-SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205821 [I508] Introduction of SDT in resume procedure Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205822 [506] Signaling allowed during SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205823 [I507] Clarify the reference to “part of the UE configuration” in the procedural text Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205824 [I512] [I010] SRS Positioning configuration provided for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2205825 [I513] Clarification of SRB1 configuration used for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2206125 Discussion on Need S versus Need R for some SDT fields (RIL: H551, H556) Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2206335 Actions on receiving indication of failure to perform SDT procedure Ericsson discussion Rel-17 38.331 NR\_SmallData\_INACTIVE-Core

## 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.

R2-2204436 LS reply on support of RAN sharing and discovery signalling (S2-2201296; contact: Huawei) SA2 LS in Rel-17 5G\_ProSe To:RAN2 Cc:CT1

R2-2204440 Reply LS on discovery and data associated to different L2 IDs (S2-2201298; contact: vivo) SA2 LS in Rel-17 5G\_ProSe, NR\_SL\_relay-Core To:RAN2 Cc:CT1

R2-2204447 LS on the SDU type used over user plane for NR PC5 reference point (C1-221835; contact: ZTE) CT1 LS in Rel-17 5G\_ProSe To:RAN2 Cc:SA2

R2-2204584 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 Correction on SRAP for L2 U2N Relay OPPO CR Rel-17 38.351 17.0.0 0001 - F NR\_SL\_relay-Core

R2-2204633 Discussion on CT1 LS on SDU type (C1-221835) OPPO discussion Rel-17 NR\_SL\_relay-Core

R2-2204771 Issues on the SDU Type Used over User Plane for NR PC5 Reference Point CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2204798 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 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

R2-2205607 Correction on RLC for SL relay Samsung CR Rel-17 38.322 17.0.0 0048 - F NR\_SL\_relay-Core

R2-2205608 Correction on PDCP for SL relay Samsung CR Rel-17 38.323 17.0.0 0093 - F NR\_SL\_relay-Core

R2-2205648 Correction for sidelink relay in MAC Apple CR Rel-17 38.321 17.0.0 1277 - F NR\_SL\_relay-Core Late

R2-2205880 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 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.

R2-2204550 Discussion on paging information management for a remote UE SHARP Corporation discussion NR\_SL\_relay-Core

R2-2204551 Discussion on cell change of remote UE due to relay UE's cell change SHARP Corporation discussion NR\_SL\_relay-Core

R2-2204585 General SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

R2-2204586 Positioning SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

R2-2204634 Correction on [O006, O007, O008, O010, O011, O054, O900] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2204674 [E083][H593] Two copies of a same SIB and related remote UE behaviour vivo discussion

R2-2204676 OOC concept for remote UE vivo discussion

R2-2204764 [C121] Necessity of Releasing the Paging Request of Remote UE via SidelinkUEInformationNR CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2204765 [C122]Conditions of RemoteUEInformationSidelink Transmission CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2204766 Discussion on the LCIDs of SL-SCH for Uu Logical Channels of Remote UE CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2204886 Discussion on SI forwarding NEC Corporation discussion Rel-17 NR\_SL\_relay-Core

R2-2204959 [B104] TP on stop condition of T300 Lenovo discussion Rel-17

R2-2204960 [B105] TP on setup request procedure Lenovo discussion Rel-17

R2-2204961 [B106] TP on re-establishment procedure Lenovo discussion Rel-17

R2-2204989 Discussion on inter layer interaction for NR sidelink relay OPPO discussion Rel-17 NR\_SL\_relay-Core

R2-2204991 Correction to support L3 U2N Relay OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

R2-2205014 [H629] Correction for SI request for posSIB for SL remote UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3031 - F NR\_pos\_enh-Core, NR\_SL\_relay-Core

R2-2205064 Discussion on remote UE’s SIB(s) acquisition and paging monitoring ZTE, Sanechips discussion Rel-17 NR\_SL\_relay-Core

R2-2205065 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

R2-2205115 remaining issues for control plane procedure for relay operation LG Electronics France discussion Rel-17

R2-2205131 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 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

R2-2205319 Discussion on how to support posSIB(s) forwarding Xiaomi discussion

R2-2205321 [X208] Discussion on remote UE’s on-demand SI in CONNECTED Xiaomi discussion

R2-2205496 Correction on cause value in sidelink relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2205609 Clarification of SI acquisition for RRC\_IDLE/RRC\_INACTIVE Remote UE (RIL#: E084, H593) Samsung discussion Rel-17 NR\_SL\_relay-Core

R2-2205695 [B100] SL Timer Broadcast in SIB1 Lenovo discussion NR\_SL\_relay-Core Revised

R2-2205699 [B212] RRC Connected Remote UE cannot acquire SIB1 Lenovo discussion NR\_SL\_relay-Core R2-2205695

R2-2205856 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

R2-2205905 Draft CR on Corrections on Paging Reception by the Relay UE InterDigital draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

R2-2205906 [U455] Draft CR on Corrections to Paging DRX Cycle InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2205907 [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 [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 [U482] Draft CR on Corrections to NotificationMessageSidelink InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2205991 Clarification on relay and remote UE behavior during failure handling Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

R2-2206042 Discussion on [O090] OPPO discussion Rel-17 NR\_SL\_relay-Core

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

R2-2205113 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

Moved from 7.2.3.1

#### 6.7.2.2 Service continuity

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

R2-2204635 Correction on [O009, o017, O020, O022-O025] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2204795 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 Correction to support IDLE INACTIVE relay UE OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

R2-2205093 38.331 CR for SL relay events Samsung CR Rel-17 38.331 17.0.0 3047 - F NR\_SL\_relay-Core

R2-2205320 [X200] Discussion on path swith failure upon target relay UE Pcell change Xiaomi discussion

R2-2205339 Service continuity open issues in L2 NR sidelink relay Sony discussion Rel-17 NR\_SL\_relay-Core

R2-2205375 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

R2-2205633 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

R2-2205987 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

R2-2206053 Summary of 6.7.2.2 service continuity (Xiaomi) Xiaomi discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.3 Adaptation layer design

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

R2-2204796 Correction on BEARER ID determination ZTE, Sanechips CR Rel-17 38.351 17.0.0 0002 - F NR\_SL\_relay-Core

R2-2204797 Correction on the DL bearer mapping ZTE, Sanechips CR Rel-17 38.351 17.0.0 0003 - F NR\_SL\_relay-Core

R2-2205133 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 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 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.

R2-2204564 [V353][Z652] Discussion and corrections on CBR measurements for NR SL discovery vivo discussion

R2-2204587 Relay selection requirement conflict [M112][v208] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

R2-2204636 Correction on [O042, O047-O049, O058-O060] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2204675 [V410][O058] Dedicated pool for discovery reception vivo discussion

R2-2204767 Discussion on Resource Pool Selection for Discovery Message CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2204768 Correlation on Resource Pool Selection for Discovery Message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

R2-2204769 Introduction of LCID for discovery message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

R2-2204992 Correction to support non-relay discovery OPPO draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

R2-2205063 Correction on the Sidelink discovery transmission ZTE, Sanechips CR Rel-17 38.331 17.0.0 3036 - F NR\_SL\_relay-Core

R2-2205114 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

R2-2205345 Sidelink discovery operation - monitoring and transmission Beijing Xiaomi Mobile Software draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205356 Discussion on MAC functionality for discovery Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

R2-2205357 Assisting L2 Remote UE to correctly evaluate threshold condition Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

R2-2205610 Correction on SL discovery and UL prioritization Samsung discussion Rel-17 NR\_SL\_relay-Core

R2-2205963 Correction on Groupcast transmission mode support for sidelink discovery Qualcomm Incorporated draftCR Rel-17 38.322 17.0.0 C NR\_SL\_relay-Core

R2-2206056 Summary of AI 6.7.2.5 on Discovery and (re)selection vivo discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.6 UE capabilities

R2-2204637 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 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 Further discussion on UE capability CATT discussion Rel-17 NR\_SL\_relay-Core

R2-2205988 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.

R2-2204677 [V202][V205] PC5 RRC connection establishment and release trigger vivo discussion

R2-2204678 [V207][V208] L2 U2N Remote UE RRC re-establishment procedure vivo discussion

R2-2204679 [V213] Discussion on timers related issues vivo discussion

R2-2204680 [Z684] Max destination index and resource allocation impact vivo discussion

R2-2204958 [B103] TP for initiation condition of notification message Lenovo discussion Rel-17

R2-2204962 [B107] TP on unsuitable relay during re-establishment Lenovo discussion Rel-17

R2-2204994 Correction on the definition of suitable relay UE OPPO draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2205066 Correction on PC5 RLC channel configuration ZTE, Sanechips CR Rel-17 38.331 17.0.0 3038 - F NR\_SL\_relay-Core

R2-2205092 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

R2-2205186 Correction on RIL issue E132 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

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

R2-2205228 Correction on RIL issues (E041, E043, E044 and E045) Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205634 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 Discussion on definition of U2N remote UE (RIL A304, A305, A307, A311) Apple discussion Rel-17 NR\_SL\_relay-Core

R2-2205645 [A903] Discussion on SIB12 configuration for relay support Apple discussion Rel-17 NR\_SL\_relay-Core

R2-2205646 [A309] Discussion on relay UE notification upon Uu RLF Apple discussion Rel-17 NR\_SL\_relay-Core

R2-2205685 [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

R2-2205690 [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 [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

R2-2205774 [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 [E084][E085] Correction on on-demand SIB for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205776 [E086] Correction on cell barring for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205777 [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 [E090] Correction on reconfigurationWithSync handling during path switch Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205779 [E093] Correction on new UE timers for remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205780 [E104][E112] Correction on handling on timer T420 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

R2-2205826 [M116, A906, I012, I046] SL information in RRC Setup and Reestablishment messages Intel Corporation discussion Rel-17 NR\_SL\_relay-Core Late

R2-2205962 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

R2-2206072 [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 [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 [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 [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 [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

R2-2206077 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 Report of Pre118-e #602 Huawei, HiSilicon report Rel-17 NR\_SL\_relay-Core

### 6.7.3 Other

Any other topics on NR sidelink relay.

R2-2204772 Correciton on PDCP for SL relay CATT draftCR Rel-17 38.323 17.0.0 F NR\_SL\_relay-Core

R2-2204773 Miscellaneous Corrections on SL Relay CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

R2-2204800 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

R2-2205432 Corrections on stage2 specification for sidelink relay Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0459 - F NR\_SL\_relay-Core

R2-2205611 Support of non-IP PDU type in PDCP protocol Samsung discussion Rel-17 NR\_SL\_relay-Core

R2-2205781 Misc correction on 38.300 for SL relay Ericsson draftCR Rel-17 38.300 17.0.0 F NR\_SL\_relay-Core

R2-2205989 Clarification on NR sidelink relay related configuration Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4814 - F NR\_SL\_relay-Core

## 6.8 RAN slicing

(NR\_Slice -Core; leading WG: RAN2; REL-17; WID: RP-212534)

Tdoc Limitation: 5 tdocs

This WI has approved exception sheet in RP-220940 and contributions should prioritize solving the issues listed in the exception sheet. Contributions that are not essential corrections may be deprioritized.

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

### 6.8.1 Organizational

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

Including rapporteur input on WI finalization based on SA2 progress on slice group definition and slice group prioritization.

R2-2204526 Reply LS on Slice list and priority information for cell reselection (S2-2203597; contact: ZTE) SA2 LS in Rel-17 TEI17, NR\_slice-Core To:RAN2, RAN3, CT1, CT4

R2-2205082 Discussion on RIL list for RAN slicing Huawei, HiSilicon discussion Rel-17 NR\_slice-Core Late

R2-2205083 Discussion on Editorial issues for RAN slicing Huawei, HiSilicon discussion Rel-17 NR\_slice-Core Late

R2-2205084 Corrections to TS 38.331 for RAN slicing Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3040 - F NR\_slice-Core Late

R2-2205491 Updates for RAN Slicing from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0462 - F NR\_slice-Core Late

### 6.8.2 Cell reselection

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

Including discussion on how the network control works for slice-specific cell reselection and any corrections to the principles of slice-specific cell reselection.

Including discussion slice group handling and slice group prioritization based on SA2 progress.

R2-2204554 Considerations on the slice info configured by RRCRelease for cell reselection Beijing Xiaomi Software Tech discussion Rel-17

R2-2204571 Slice based cell reselection priorities handling for equal priority slice groups Beijing Xiaomi Software Tech discussion Rel-17

R2-2204583 Corrections on the slice based cell reselection priorites Beijing Xiaomi Software Tech draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

R2-2204590 Corrections on slice based cell reselection configured by RRCRelease Beijing Xiaomi Software Tech draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

R2-2204603 Discussion on slice group handling NTT DOCOMO INC. discussion Rel-17

R2-2204746 Discussion on remaining issues for slice based cell reselection Spreadtrum Communications discussion Rel-17

R2-2204761 Clarification on reselection priorities for slice-based cell reselection OPPO, Xiaomi discussion Rel-17 NR\_slice-Core

R2-2204762 Open issues on slice-specific cell reselection OPPO discussion Rel-17 NR\_slice-Core

R2-2205032 Discussion on open issues for slice based cell reselection CMCC discussion Rel-17 NR\_slice-Core

R2-2205077 Corrections on TS 38.300 for RAN Slicing Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0454 - F NR\_slice-Core

R2-2205078 Corrections on TS 38.304 for RAN Slicing Huawei, HiSilicon CR Rel-17 38.304 17.0.0 0241 - F NR\_slice-Core

R2-2205079 Discussion on Slice Information Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

R2-2205080 Discussion on UE behaviours during slice group specific cell reselection Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

R2-2205124 Equal priority cases for Slice Specific Cell Reselection Kyocera discussion

R2-2205151 Clarification on slice-based cell reselection based on SA2 conclusion Qualcomm Incorporated discussion NR\_slice-Core

R2-2205157 Clarification on slice-based cell re-selection based on SA2 conclusion Qualcomm Incorporated draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

R2-2205464 Discussion on the impacts of LS from SA2 on RAN2 CATT discussion Rel-17 NR\_slice-Core

R2-2205465 Consideration on issues of RRCRelease CATT discussion Rel-17 NR\_slice-Core

R2-2205466 The impact of re-sorting on RRM requirement CATT discussion Rel-17 NR\_slice-Core

R2-2205467 Draft CR to TS 38.304 on the remaining RRC Open issues for slicing CATT draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

R2-2205468 [C154] Create a new IE for SliceGroupID CATT discussion Rel-17 NR\_slice-Core Late

R2-2205492 Clarifications on slice groups and other corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.300 17.0.0 NR\_slice-Core

R2-2205493 Clarifications on slice groups and other corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

R2-2205494 Clarifications on slice groups and other corrections [N031, N032] Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 NR\_slice-Core

R2-2205495 Considerations on reselection information priorities Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

R2-2205543 Remaining open issue on interaction with legacy dedicated priority and broadcast slice based cell reselection Intel Corporation discussion Rel-17 NR\_slice-Core

R2-2205568 [Z325] Discussion on the FreqPriorityListNRSlicing ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

R2-2205569 Discussion on the slice group and slice priority ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

R2-2205570 draft LS on slice group ZTE corporation, Sanechips LS out Rel-17 NR\_slice-Core To:SA2 Cc:RAN3

R2-2205576 Remaining open points on slice group and slice priority Samsung R&D Institute UK discussion

R2-2205587 Text Proposal for corrections for TS 38.304 on RAN slicing Samsung R&D Institute UK discussion

R2-2205615 [B204][B205][B206] Some RRC corrections Lenovo discussion NR\_slice-Core

R2-2205616 Resolving FFS on slice Information in RRC Release and SIB Samsung discussion

R2-2205619 [S254] Correction for FreqPriorityNRSlicing Samsung discussion

R2-2205662 Discussion on SA2 LS on RAN Slicing Apple discussion Rel-17 NR\_slice-Core

R2-2205663 Discussion on leftover issues in RAN slicing Apple discussion Rel-17 NR\_slice-Core

R2-2205693 Remaining FFS points in RAN Slicing Lenovo discussion NR\_slice-Core

R2-2205737 Information Provided in RRCRelease (partially relevant to RIL#H502) NEC Telecom MODUS Ltd. discussion

R2-2205739 CR to 38.304 Clarification on slice-specific cell reselection NEC Telecom MODUS Ltd. CR Rel-17 38.304 17.0.0 0246 - F NR\_slice-Core

R2-2205972 [E140] Freq list in SIB16 for slicing Ericsson discussion Rel-17 NR\_slice-Core Late

R2-2205973 RAN Slicing enhancements in shared RAN Ericsson discussion Rel-17 NR\_slice-Core

R2-2205974 Discussion and way forward on Slice based Cell re-selection Ericsson discussion Rel-17 NR\_slice-Core

R2-2205975 Resolving open issues Ericsson draftCR Rel-17 38.300 17.0.0 NR\_slice-Core

R2-2205976 Resolving open issues Ericsson draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

R2-2206097 [H505] Slice cell list in RRCRelease message Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

R2-2206336 Comparison of slice group solutions Ericsson discussion Rel-17 NR\_slice-Core

### 6.8.3 RACH

Including discussion based on remaining open issues for RAN slicing-specific RACH prioritization that are not discussed as part of the common RACH prioritization agenda (if any)

NOTE: The common discussion on Rel-17 RACH partitioning will be discussed under AI 6.18. This AI will only consider RACH partitioning from slicing perspective.

R2-2204763 Open issues on slice-specific RACH OPPO discussion Rel-17 NR\_slice-Core

R2-2204785 Consideration on slice specific RACH and another issue Purple Mountain Laboratories discussion

R2-2204873 Correction to RA initialization for slicing Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1239 - F NR\_slice-Core

R2-2205081 Discussion on slice group specific RACH Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

R2-2205365 [X802 X804] Considerations on the slice based RA prioritization parameters configuration Beijing Xiaomi Software Tech discussion Rel-17

R2-2205612 Clarification on RACH configuration for slice Samsung discussion Rel-17 NR\_slice-Core

### 6.8.4 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to UE capabilities related to RAN2-defined features for RAN slicing. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

R2-2205546 Remaining open issues on UE Capability for slice based cell reselection Intel Corporation discussion Rel-17 NR\_slice-Core

R2-2205977 UE Capabilities for Slice-based Cell re-selection and RA Ericsson discussion Rel-17 NR\_slice-Core

## 6.9 UE Power Saving

(NR\_UE\_pow\_sav\_enh-Core; leading WG: RAN2; REL-17; WID: RP-212632)

Tdoc Limitation: 5 tdocs

WI has been declared 100% complete

### 6.9.1 General

#### 6.9.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

R2-2204466 LS reply on PDCCH skipping (R1-2202905; contact: vivo) RAN1 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2

R2-2204484 ReplyLS to RAN2 on RLM/BFD relaxation for ePowSav (R4-2207087; contact: vivo) RAN4 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2 Cc:RAN1

R2-2204499 Reply LS on paging subgrouping and PEI (R3-222874; contact: ZTE) RAN3 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2 Cc:SA2, CT1, RAN1

R2-2204522 Reply LS out on PEI and UE Subgrouping (S2-2203252; contact: Qualcomm) SA2 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2, RAN3 Cc:CT1

R2-2204803 [V149] Discussion on reply LS on signaling for RLM BFD relaxation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205795 [Draft] Reply LS to RAN1 on PDCCH skipping vivo LS out Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN1

#### 6.9.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2204804 Miscellaneous CR on TS 38.304 for ePowSav vivo CR Rel-17 38.304 17.0.0 0238 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205353 Corrections for UE power saving enhancements In 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0458 - F NR\_UE\_pow\_sav\_enh-Core

R2-2206054 Report of [Pre118-e][008][ePowSav] 38331 CR and rapporteur CATT discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2206055 ePowSav corrections for 38.331 CATT CR Rel-17 38.331 17.0.0 3154 F NR\_UE\_pow\_sav\_enh-Core

### 6.9.3 Corrections

Known issues that may need resolution or correction: <List>

R2-2204602 37.340 Draft CR for ePowSav Xiaomi Communications,Nokia, Nokia Shanghai Bell,ZTE Corporation, Sanechips draftCR Rel-17 37.340 17.0.0 B NR\_UE\_pow\_sav\_enh-Core

#### 6.9.3.1 PEI and Subgrouping

R2-2204536 PEI Monitoring in last cell Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204537 [S1000] PEI Monitoring in Redcap Specific BWP Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204538 Selective Monitoring of PDCCH monitoring occasions of PEI Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204539 Corrections for PEI Monitoring Samsung Electronics Co., Ltd draftCR Rel-17 38.304 17.0.0 NR\_UE\_pow\_sav\_enh-Core

R2-2204722 [O356] correction on signalling for indication of not supporting subgrouping OPPO draftCR Rel-17 38.331 17.0.0 F NR\_UE\_pow\_sav\_enh-Core

R2-2204730 Discussion on PEI indication determination in RRC INACTIVE OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204786 [X107][O357]Discussing on the misalignment of RAN1\_RAN2 on PEI without subgrouping Xiaomi Communications discussion

R2-2204805 Discussion on remaining issues on paging subgrouping and PEI vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205022 Stage 2 correction on power saving Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0451 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205023 38304 corrections on power saving Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.0.0 0240 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205198 Draft LS on PEI without subgrouping Xiaomi Communications discussion Late

R2-2205212 Introduction of PEI-RNTI MediaTek Inc., Huawei CR Rel-17 38.321 17.0.0 1262 - F NR\_UE\_pow\_sav\_enh-Core

R2-2206044 PEI and subgrouping Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

#### 6.9.3.2 RLM and BFD relaxation

Including continuation of TSG RAN discussion whether (and how) impact of signalling restriction (prohibit timer) to consistency of the state understanding between UE and gNB.

R2-2204721 [O375] correction on RLM/BFD relaxation OPPO draftCR Rel-17 38.331 17.0.0 F NR\_UE\_pow\_sav\_enh-Core

R2-2204731 Discussion on UAI for relaxation state for RLM and BFD OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204745 Discussion on UE relaxation status reporting Spreadtrum Communications discussion Rel-17

R2-2204806 [V135-V139, V141-143] Remaining issues on configuration for RLM/BFD relaxation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204807 Discussion on prohibit timer for RLM/BFD relaxation reporting vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204888 Discussion on UE reporting for RLM BFD relaxation NEC Europe Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204974 UE assistance information for RLM/BFD relaxation CATT discussion NR\_UE\_pow\_sav\_enh-Core

R2-2204975 [V137]Low mobility criterion in NR-DC CATT discussion NR\_UE\_pow\_sav\_enh-Core

R2-2205095 [M001][N103][V138] Open Issues for RLM/BFD Relaxation MediaTek Inc. discussion

R2-2205213 Discussion on remaining issues on prohibit timer of UAI Xiaomi Communications discussion

R2-2205219 [X118]Correction on the UAI reporting for RLM\_BFD relaxation Xiaomi Communications draftCR Rel-16 38.331 16.8.0 NR\_UE\_pow\_sav\_enh-Core

R2-2205286 [J005] Clarification on the state report of RLM/BFD relaxation Sharp discussion Rel-17

R2-2205348 Remaining issues on the prohibit timer for RLM/BFD relaxation Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205349 Correction for the prohibit timer for RLM/BFD relaxation Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3071 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205350 Correction for the criteria configuration for RLM and BFD Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3072 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205351 Discussion on the fulfilment condition for low mobility criterion Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205408 Considerations On [RIL]s For BFR&RLM Relaxation ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205409 Considerations On the RLM&BFD Relaxation Indication to NW ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205410 CR in 38.331 For indication of RLM&BFD relaxation to NW ZTE Corporation,Sanechips CR Rel-17 38.331 17.0.0 3085 - F NR\_UE\_pow\_sav\_enh-Core

R2-2205412 Further Considerations On the RLM&BFD relaxation in DC Mode ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205575 Further considerations on RLM BFD relaxation CMCC discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205591 RLM/BFD Relaxation Reporting Interdigital, Inc. discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205653 Enhanced NR UE Power Save - RLM/BFD Measurement Relaxation Indication Apple discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2206045 Relaxed RLM and BFD measurements Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204482 Reply LS to RAN2 on RRM relaxation in power saving (R4-2207038; contact: CATT) RAN4 LS in Rel-16 NR\_UE\_pow\_sav-Core To:RAN2

R2-2204826 Correction on RRM relaxation in PowSav vivo CR Rel-16 38.304 16.7.0 0239 - F NR\_UE\_pow\_sav-Core

R2-2205476 Correction on RRM relaxation in PowSav vivo CR Rel-17 38.304 17.0.0 0244 - A NR\_UE\_pow\_sav-Core

R2-2205742 Addressing inconsistency for RRM measurement rules Ericsson, CATT CR Rel-16 38.304 16.7.0 0247 - F NR\_UE\_pow\_sav-Core

R2-2205743 Addressing inconsistency for RRM measurement rules Ericsson, CATT CR Rel-17 38.304 17.0.0 0248 - A NR\_UE\_pow\_sav-Core

#### 6.9.3.3 Other

FFS points: For the case when the UE ignores PDCCH skipping on all serving cells of the corresponding CG while SR is pending, FFS if “all” can be further restricted.

R2-2204535 PDCCH skipping in RRC\_CONNECTED and SR Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204732 Discussion on PDCCH skipping OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204808 Discussion on issues for PDCCH skipping vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204809 Discussion on TRS availability when SI change vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2204908 TRS/CSI-RS configuration in RRC\_CONNECTED DENSO CORPORATION discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core R2-2203068

R2-2205024 Remaining issues on PDCCH adaptation Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205025 Correction on PDCCH adaptation IEs Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3034 - F NR\_UE\_pow\_sav\_enh-Core Withdrawn

R2-2205352 Discussion on PDCCH skipping while SR is pending Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205411 Considerations On the Left Issue For PDCCH Skipping ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205435 Discussion on PDCCH skipping while SR is pending LG Electronics Deutschland discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2205751 PDCCH monitoring adaptation Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2206031 Discussion on PDCCH skipping with pending SR Qualcomm Incorporated discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

R2-2206046 TRS and CSI-RS exposure Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

### 6.9.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

R2-2205752 UE capabilities for UE power saving Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

## 6.10 NR Non-Terrestrial Networks (NTN)

(NR\_NTN\_solutions-Core; leading WG: RAN2; REL-17; WID: RP-211557)

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

Tdoc Limitation: 8 tdocs

### 6.10.1 Organizational

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

R2-2205027 Discussion on CT1 LS about NR satellite RAT type in UE NAS CMCC discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205028 [DRAFT] Reply LS on NR satellite RAT type in UE NAS CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1 Cc:RAN3, SA2

R2-2205448 NTN ASN1 RIL list Ericsson discussion NR\_NTN\_solutions-Core Late

#### 6.10.1.1 LS in

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

Rapporteur input may be provided.

R2-2204450 LS on introducing the list of PLMNs not allowed to operate at the present UE location (C1-222096; contact: CMCC) CT1 LS in Rel-17 5GSAT\_ARCH-CT To:RAN2

R2-2204468 Reply LS on NTN-specific SIB (R1-2202843; contact: Huawei) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

R2-2204470 Reply LS to RAN2 on NR NTN Neighbour Cell and Satellite Information (R1-2202873; contact: Thales) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

R2-2204496 Reply LS on UE location during initial access in NTN (R3-222861; contact: Thales RAN3 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2 Cc:CT1, SA3, SA2

R2-2204520 Reply LS on RAN Initiated Release due to out-of-PLMN area condition (S2-2203242; contact: Samsung) SA2 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN3 Cc:CT1, RAN2

R2-2205158 Impact on Cell selection/re-selection by the new PLMN list from CT1 CMCC discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205159 draft Reply LS on introducing the list of PLMNs not allowed to operate at the present UE location CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1

R2-2206041 Discussion on ambiguity of cell-specific K\_offset Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

R2-2204627 Support of UE location in Non-Terrestrial Networks THALES draftCR Rel-17 38.300 17.0.0 NR\_NTN\_solutions

R2-2204628 SAN for NTN based NG-RAN THALES discussion Rel-17 38.300 NR\_NTN\_solutions

R2-2205463 Correction for NR NTN WI Ericsson CR Rel-17 38.331 17.0.0 3088 - F NR\_NTN\_solutions-Core Late

R2-2206088 Summary of NTN RIL resolutions pre118 Ericsson discussion NR\_NTN\_solutions-Core

### 6.10.2 User Plane

#### 6.10.2.1 Known Corrections

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

R2-2204556 Corrections on the TAR triggers based on RRC procedures in NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2204557 On corrections on random access procedure in NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2204558 On corrections to DRX procedure and TA reporting procedure in TS 38.321 vivo discussion NR\_NTN\_enh-Core

R2-2204656 TA report trigger in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2984 - F NR\_NTN\_solutions-Core

R2-2204657 Handling the loss of UL synchronization Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2985 - F NR\_NTN\_solutions-Core

R2-2204733 Discussion on ra-ContentionResolutionTimer in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204734 left issue on TA report triggered SR OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204735 Further discussion on validity timer impacts in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204748 MAC operations about the validity timer expiry Spreadtrum Communications discussion Rel-17

R2-2205134 Corrections for TA report ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205135 Discussion on TP for blind Msg3 retransmission ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205232 UE Behavior upon Validity Timer Expiry CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205240 Discussion on remaining issues LG Electronics Inc. discussion NR\_NTN\_solutions-Core

R2-2205358 Clarification on contention Resolution timer behavior ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205359 Consideration on RTT timer extension implementation ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205403 Remaining issues related to NTN validity timer Xiaomi discussion Rel-17

R2-2205477 Discussion on Contention Resolution timer expiry Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205478 Further consideration on TA report MAC CE Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205596 Further consideration on TA report ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205694 Discussion on MAC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

R2-2205702 Consideration on validity timer related issues ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205720 Discussion on user plane known issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205721 CR for Contention Resolution failure, SR and TA MAC CE report Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1284 - F NR\_NTN\_solutions-Core

R2-2205954 HARQ RTT timer extention InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205955 TA Reporting during Random Access InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205956 UE behaviour upon validity timer expiry InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205994 Known NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.2.2 Other

Contributions on any other UP issues.

R2-2204559 Miscellaneous corrections on TS 38.321 for NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2205231 The Modification of TA Reporting Triggering Condition CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205340 CG enhancements in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core R2-2200911

R2-2205360 Discussion on co-existence of Msg3 repetition and NTN ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205722 On other user plane issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205995 Other NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205999 Correction to NR NTN epoch time definition Sequans Communications discussion Rel-17 NR\_NTN\_solutions-Core

### 6.10.3 Control Plane

R2-2205110 Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core Revised

R2-2206035 Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core R2-2205110 Late

#### 6.10.3.1 Idle/inactive mode aspects

##### 6.10.3.1.1 Known Corrections

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

R2-2204563 Remaining issue on access barring for NTN vivo discussion NR\_NTN\_enh-Core

R2-2204592 Discussion on remaining issue of NTN idel/inactive mode Transsion Holdings discussion Rel-17

R2-2204658 TN NTN barring mechanism Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2986 - F NR\_NTN\_solutions-Core

R2-2204709 Discussion on location-based cell reselection in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205094 Remaining issue on idle/inactive mode ITL discussion Rel-17

R2-2205234 Discussion on the parameters influencing SI modification procedure CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205236 Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

R2-2205237 Discussion on the access barring in NTN CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205301 Discussion on SIB19 processing and updating Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205302 Discussion on access barring Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205371 Discussion on remaining issues on RRC idle mode Xiaomi discussion

R2-2205405 Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205528 Resolving open NTN issues for IDLE mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205530 Assistance information for UE-based SMTC adjustment in idle and inactive mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205531 Rel-17 NTN corrections to 38.304 Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.0.0 0245 - F NR\_NTN\_solutions-Core

R2-2205533 Cell reselection with distance threshold Samsung discussion

R2-2205571 Left over issues in idle and inactive mode in NTN ZTE corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205573 Reporting UE location to the Network in NTN Samsung R&D Institute UK discussion

R2-2205691 Adding SMTC4 for idle/inactive state Apple CR Rel-17 38.331 17.0.0 3114 - F NR\_NTN\_solutions-Core

R2-2205696 Open issues on acquiring SIB Samsung Research America discussion NR\_NTN\_solutions-Core

R2-2205740 Distance based cell reselection NEC Telecom MODUS Ltd. discussion

R2-2205753 NTN Access barring and UE behaviour NEC Telecom MODUS Ltd. discussion

R2-2205754 RIL# H803/TS38.300: Clarification on SIB19 Provisioning NEC Telecom MODUS Ltd. discussion

R2-2205865 NR NTN idle mode issues Ericsson discussion NR\_NTN\_solutions-Core

R2-2206029 UE based SMTC adjustment LG Electronics Inc. discussion Rel-17

##### 6.10.3.1.2 Other

Contributions on any other idle/inactive mode issues.

R2-2205029 Discussion on cell reselection CMCC discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205303 [H803] Discussion on on-demand SIB for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205471 RIL V313 and PLMN aspects Ericsson discussion NR\_NTN\_solutions-Core Late

#### 6.10.3.2 RRC aspects

##### 6.10.3.2.1 Known Corrections

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

R2-2204560 [V320] CGI reporting in R17 NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2204561 [V319][V305][V310] Remaining issues on signalling design and corresponding procedures for neighbour cell assistance information in NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2204562 [V313] On the issue for RAN area code configuration in NR NTN vivo discussion NR\_NTN\_enh-Core

R2-2204659 Time-based CHO after T2 Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2987 - F NR\_NTN\_solutions-Core

R2-2204660 Assistance information for IDLE mode measurements in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2988 - F NR\_NTN\_solutions-Core

R2-2204663 SMTC and MG configuration Qualcomm Incorporated discussion Rel-17 NR\_NTN\_solutions-Core R2-2202564

R2-2204713 Discussion on implementing HARQ RTT timer extension OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204714 Discussion on neighbour cell's epoch time and Koffset's ambiguity issue OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204715 Discussion on assistance information for IDLE mode and CONNECTED mode measurement OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2204717 [O358] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

R2-2204718 [O355] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

R2-2204719 [O354] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

R2-2204720 [O350] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

R2-2204749 Discussion on SIB X acquiring procedure Spreadtrum Communications discussion Rel-17

R2-2204750 Acquiring the ephemeris of neighbour cell Spreadtrum Communications discussion Rel-17

R2-2204963 Remaining issues of provisioning neighbor cell satellite information Lenovo discussion Rel-17

R2-2204964 Remaining details of UE assistance reporting and CHO Lenovo discussion Rel-17

R2-2205224 [X704] Correction for Event D1 Xiaomi Communications discussion Rel-17

R2-2205225 Remaining issues of NTN CHO Xiaomi Communications discussion Rel-17

R2-2205230 Correction on HARQ RTT Timer extension in TS38.331 CATT draftCR Rel-17 38.331 17.0.0 NR\_NTN\_solutions-Core

R2-2205233 Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

R2-2205235 Further Discussion on CHO CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205304 Discussion on SMTC and gaps Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205305 Discussion on time/location based mobility Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205341 CHO configuration after T2 expiry Sony discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205342 Event triggered location reporting in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205372 Assistance information for neighbour cell measurement Xiaomi discussion

R2-2205401 Further details for coarse location report for NR NTN Xiaomi discussion Rel-17

R2-2205402 [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi discussion Rel-17

=> Revised in R2-2206057

R2-2206057 [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi, MediaTek discussion Rel-17

R2-2205404 Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205436 RIL: M404, V318, Z550 CHO configuration discarded or retained after T2 Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205438 SMTC for RRC\_IDLE and RRC\_INACTIVE state in NR NTN Ericsson discussion NR\_NTN\_solutions-Core

R2-2205529 Resolving open NTN issues for CONNECTED mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205574 Coarse location format Ericsson discussion NR\_NTN\_solutions-Core

R2-2205589 SMTC Offset and Change Rate Google Inc. discussion Rel-17

R2-2205650 Cell-specific K\_offset ambiguity Apple discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205651 Epoch time and validity timer expiry Apple discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205697 Discussion on CHO open issues Samsung Research America discussion NR\_NTN\_solutions-Core

R2-2205698 Discussion on SMTC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

R2-2205957 Time-based CHO configuration after T2 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205958 Configuration of Timing Advance reporting in TS 38.331 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

R2-2206030 Propagation delay difference reporting LG Electronics Inc. discussion Rel-17 Late

R2-2206090 [O350][X601][L014][L015][M403]Correction on maintenance of validity timer Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3167 - F NR\_NTN\_solutions-Core

##### 6.10.3.2.2 Other

Contributions on any other RRC issues.

R2-2204661 Reporting SMTC issue in measurement results Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2989 - F NR\_NTN\_solutions-Core

R2-2204716 Discussion on connected mode measurement start OPPO discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205030 Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core Revised

R2-2205226 Discussion on performing measurements for NTN CHO Xiaomi Communications discussion Rel-17

R2-2205592 Essential system information missing for NTN Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205621 [L011] TP on MR triggered by event D1 LG Electronics France discussion

R2-2205623 [L014] TP on Ul sync assist info validity LG Electronics France discussion

R2-2205700 RILs on epoch time Samsung Research America discussion NR\_NTN\_solutions-Core

R2-2206036 Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core R2-2205030 Late

R2-2206068 [H800] Discussion on condEventD1 Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2206069 [H801] Corrections on eventD1 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3155 F NR\_NTN\_solutions-Core

R2-2206112 [H024] Adding a conditional presence to ntn-UlSyncValidityDuration Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3172 - F NR\_NTN\_solutions-Core

### 6.10.4 UE capabilities

R2-2205572 On NTN capabilities Ericsson discussion NR\_NTN\_solutions-Core Late

#### 6.10.4.1 Known remaining issues

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

R2-2204662 NTN UE capability signalling Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2990 - F NR\_NTN\_solutions-Core

R2-2204843 Discussion on remaining issues on NTN UE capabilities Intel Corporation, THALES discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205306 Discussion on UE capabilities for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205593 NTN-only UE Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

R2-2205701 Open issues on UE capabilities Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.4.2 Other

Contributions on any other issues.

R2-2204842 Clarification on TA reporting UE capability Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_NTN\_solutions-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.

R2-2204420 Reply LS on positioning issues needing further input (R1-2202849; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN3

R2-2204424 Reply LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R1-2202912; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN3, SA2

R2-2204425 LS on multiple measurement instances (R1-2202922; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN3

R2-2204441 Response LS on determination of location estimates in local co-ordinates (S2-2201545; contact: Ericsson) SA2 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2 Cc:RAN1, RAN3

R2-2204464 LS on frequency information of SRS for positioning resources (R1-2202847; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN3

R2-2204477 LS on lower Rx beam sweeping factor for latency improvement (R4-2206980; contact: Intel) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1 Cc:RAN2

R2-2204478 LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2

R2-2204491 Questions concerning the implementation of RAN1 agreements in NRPPa (R3-222721; contact: Ericsson) RAN3 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2 Cc:RAN4

R2-2204508 Reply LS on latency improvement for PRS measurement with MG (R4-2207088; contact: Huawei) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN1 Cc:RAN3

R2-2204521 Reply LS on Positioning in RRC\_INACTIVE State (S2-2203250; contact: Huawei) SA2 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2 Cc:RAN3

R2-2206150 Response LS to RTCM SC134 on GNSS integrity (RTCM; contact: ESA) RTCM LS in Rel-17 NR\_pos\_enh-Core To:RAN2

R2-2204684 [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 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 Reply LS on multiple measurement instances (R1-2202922; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3

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

R2-2204688 Reply LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) CATT LS out Rel-17 To:RAN4 Cc:RAN1,RAN3

R2-2204930 Open issues on TS38.305 Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

R2-2204931 38.305 CR for Positioning WI Intel Corporation draftCR Rel-17 38.305 17.0.0 F NR\_pos\_enh-Core

R2-2204934 Known corrections/issues for the correction phase on Rel-17 positioning WI Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

R2-2204995 Corrections on stage 2 for path RSRP Huawei, HiSilicon CR Rel-17 38.305 17.0.0 0092 - F NR\_pos\_enh-Core

R2-2205828 Summary of LPP Updates and Open Issues Qualcomm Incorporated discussion

R2-2205829 LPP Updates Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

R2-2205859 Correction based upon Positioning RILs Ericsson CR Rel-17 38.331 17.0.0 3121 - F NR\_pos\_enh-Core Late

### 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.

R2-2204699 Discussion on the positioning MG activation deactivation MAC CE CATT discussion Rel-17 NR\_pos\_enh-Core

R2-2204700 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 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 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 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

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

R2-2204742 Corrections on the TS38.321 CATT CR Rel-17 38.321 17.0.0 1228 - F NR\_pos\_enh-Core

R2-2204996 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 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 Discussion on the pre-configured MG signaling ZTE, Sanechips discussion Rel-17 NR\_pos\_enh-Core

R2-2205579 Discussion on the handling of pre-MG for positioning vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205656 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 Issues with PRS Processing Window Procedures Qualcomm Incorporated discussion

R2-2205766 Assistance Data Request for Multiple Area IDs Qualcomm Incorporated discussion

R2-2205804 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 Correction to activate pre-configured PPW Signaling Ericsson CR Rel-17 38.305 17.0.0 0097 - F NR\_pos\_enh-Core

R2-2205809 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 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 UL MAC CE for preconfigured MG Ericsson discussion Rel-17

R2-2205814 On PPW Configuration Release assistance info Ericsson discussion Rel-17

R2-2206147 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

#### 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.

R2-2204691 Further consideration on Periodic and Triggered 5GC-MT-LR Procedure in RRC INACTIVE state CATT discussion

R2-2204692 [Draft] Rely LS on Positioning in RRC\_INACTIVE CATT LS out Rel-17 To:SA2 Cc:RAN3

R2-2204693 Consideration on positioning SRS configuration for RRC\_INACTIVE CATT discussion

R2-2205012 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 [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 Corrections on Maintenance of Uplink Time Alignment Xiaomi discussion

R2-2205580 Discussion on the remaining issue about positioning in RRC\_INACTIVE vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2206052 Summary of AI 6.11.2.2 on 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.

R2-2205007 [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 [H057] Discussion on UE-initiated on-demand PRS Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

R2-2205581 Discussion on the mismatch between the on-demand PRS procedure of RAN2 and RAN3 vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205805 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

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

#### 6.11.2.4 GNSS positioning integrity

Signalling and procedures to support GNSS positioning integrity determination.

R2-2204997 Draft LS to SA1/SA2 on GNSS integrity Huawei, HiSilicon LS out Rel-17 NR\_pos\_enh-Core To:RAN1

R2-2205017 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 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 Remaining issues for integrity Ericsson discussion Rel-17

R2-2206037 [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 [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

R2-2206092 Summary of GNSS Positioning Integrity AI 6.11.2.4 Ericsson discussion Rel-17 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 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 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.

R2-2204696 Discussion on R17 positioning enhancement impacts on stage-2 specification CATT discussion Rel-17 NR\_pos\_enh-Core

R2-2204697 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 [Draft] LS to RAN3 on introduction of R17 NRPPa related positioning enhancement to TS38.305 CATT LS out Rel-17 To:RAN3

R2-2204705 Discussion on the LS on the framework of UE/TRP Rx TEG CATT discussion Rel-17

R2-2204706 Discussion on the left issues on UE TxTEG report in RRC and LPP protocols CATT discussion

R2-2204707 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [Z003][H025]Signaling of measurement instances ZTE, Sanechips CR Rel-17 37.355 17.0.0 0345 - F NR\_pos\_enh-Core

R2-2205369 Discussion on the Periodic Tx TEG reporting and preconfigured MG Xiaomi discussion

R2-2205370 Remaining issues on positioning reference unit Xiaomi discussion

R2-2205582 Discussion on remaining issue about accuracy enhancements vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205654 On periodic UE Tx TEG reporting Apple discussion Rel-17 NR\_pos\_enh-Core

R2-2205730 Discussion on UE TX TEG association reporting InterDigital, Inc. discussion Rel-17

R2-2205806 Remaining Issues on TEG reporting; failure Handling Ericsson discussion Rel-17

R2-2205807 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

R2-2206083 [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

=> Revised in R2-2206333

R2-2206333 [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

#### 6.11.2.7 UE capabilities

R2-2204933 Positioning UE capabilities Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

R2-2205009 [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 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.

R2-2204932 I004 Validity area for preconfigured AD Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

R2-2205010 [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 Discussion of the need of the area ID for the pre-configured assistance data OPPO discussion Rel-17 NR\_pos\_enh-Core

R2-2205583 [V003] Discussion on the format of pre-configuration vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205584 [V004][V006]Discussion on LPP ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205813 LPP RIL E603 and 604 on associated TRP Ericsson discussion Rel-17 37.355 Late

R2-2205843 Rel-17 LPP RIL Qualcomm Incorporated discussion

=> Revised in R2-2206326

R2-2206326 Rel-17 LPP RIL Qualcomm Incorporated discussion

R2-2205844 Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

=> Revised in R2-2206327

R2-2206327 Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

R2-2205846 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 LPP Updates and ASN.1 Review Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

#### 6.11.2.9 Positioning RRC ASN.1 issues

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

R2-2204998 [H568] Correction for periodic TEG reporting Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3025 - F NR\_pos\_enh-Core

R2-2204999 [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

R2-2205000 [H566][H567] Correction for Location Measurement Indication Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3027 - F NR\_pos\_enh-Core

R2-2205001 [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

R2-2205048 [S854][S855][S856] Handling preconfigured gaps for POS upon a handover Samsung discussion Rel-17 NR\_pos\_enh-Core

R2-2205049 [S851][S852][S853] Type and priority configuration of PPW Samsung discussion Rel-17 NR\_pos\_enh-Core

R2-2205310 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

R2-2205498 [E066] Correction on structure of UEPositioningAssistInfo message contents for reducing unnecessary data transmission Samsung R&D Institute UK discussion

R2-2205585 Discussion on positioning RRC ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

R2-2205811 [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 [RIL E060] On removal of Editors' Note for SRS Inactive mode procedure during RRC Resume Ericsson discussion Rel-17 38.331 Late

R2-2205817 [RIL E060] Editors Note Discussion on RRC Procedure Structure on section Ericsson discussion Late

R2-2205857 RRC Positioning RIL Summary Ericsson discussion Rel-17 Late

### 6.11.3 Other

Any other topics on NR positioning enhancements.

R2-2205006 [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 Stage-2 positioning corrections Apple CR Rel-17 38.305 17.0.0 0094 - F NR\_pos\_enh-Core

## 6.12 Reduced Capability

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: RP-211574)

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

Tdoc Limitation: 5 tdocs

### 6.12.1 Organizational

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

#### 6.12.1.1 LS in

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

Rapporteur input may be provided.

R2-2204410 LS reply on the coordination between gNBs supporting RedCap UEs (R3-221396; contact: Ericsson) RAN3 LS in Rel-17 NR\_redcap-Core To:RAN2

R2-2204422 LS on operation with and without SSB for RedCap UE (R1-2202886; contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core To:RAN2, RAN4

R2-2204475 LS on configuring margin for 1 Rx RedCap UEs (R4-2206951; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

R2-2204476 Reply LS on UE capabilities for RedCap from RRM perspective (R4-2206977; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

R2-2204486 LS on NCD-SSB issues for RedCap UE (R4-2207104; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

R2-2204487 LS on RRM relaxation for Redcap (R4-2207109; contact: vivo) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

R2-2204502 LS on FR2 RedCap UE (R4-2206545; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

R2-2204619 Discussion on RAN4 LS on FR2 RedCap UE Futurewei Technologies discussion Rel-17 38.306 NR\_redcap-Core

R2-2204620 Discussion on RAN4 LS on RRM Relaxation for RedCap Futurewei Technologies, Xiaomi Communications, OPPO, Vivo, Ericsson, Qualcomm discussion Rel-17 NR\_redcap-Core

R2-2204810 [Draft] Reply LS to RAN4 on RRM relaxation vivo LS out Rel-17 NR\_redcap-Core To:RAN4

R2-2206018 [DRAFT] Reply LS on configuring margin for 1 Rx RedCap UEs Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

R2-2206019 [DRAFT] Reply LS on NCD-SSB issues for RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

R2-2206020 [DRAFT] Reply LS on FR2 RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4 Cc:RAN1

#### 6.12.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

R2-2204811 Miscellaneous CR on TS 38.321 for RedCap vivo CR Rel-17 38.321 17.0.0 1238 - F NR\_redcap-Core

R2-2205784 Corrections on RedCap in TS 38.300 Nokia, Nokia Shanghai Bell, Huawei CR Rel-17 38.300 17.0.0 0464 - F NR\_redcap-Core

R2-2206021 Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.331 17.0.0 3151 - F NR\_redcap-Core Late

R2-2206022 RedCap WI ASN1 RIL list Ericsson discussion Rel-17 NR\_redcap-Core Late

R2-2206023 Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.304 17.0.0 0252 - F NR\_redcap-Core

### 6.12.2 Control Plane

#### 6.12.2.1 NCD-SSB aspects

Corrections/clarifications on NCD-SSB aspects

R2-2204544 Handover to BWP without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

R2-2204547 Discussion on serving cell measurements on NCD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

R2-2204812 Discussion on NCD-SSB for RedCap UEs vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2205038 Discussion on NCD-SSB aspects for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

R2-2205285 [J002] Clarification on reference value in connected RRM relaxation critrion Sharp discussion Rel-17

R2-2205512 Discussion on BWP operation without bandwidth restriction and NCD SSB Vodafone GmbH, Deutsche Telekom, Qualcomm discussion Rel-17

R2-2205522 Aspects related to the use of NCD-SSB MediaTek Inc. discussion Rel-17 NR\_redcap-Core

R2-2205636 Discussion on NCD-SSB handling at handover Apple discussion Rel-17 NR\_redcap-Core

R2-2205771 About paging monitoring in BWP#0 without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core Late

R2-2206143 [Pre118-e][105][RedCap] Summary of AI 6.12.2.1 on NCD-SSB aspects ZTE Corporation report Rel-17 NR\_redcap-Core

#### 6.12.2.2 Other CP aspects

##### 6.12.2.2.1 Known Corrections

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

R2-2204723 Discussion on inter-RAT mobility from LTE to NR OPPO discussion Rel-17 NR\_redcap-Core

R2-2204724 Discussion on including RedCap UE’s capability in the UERadioPagingInformation inter-node message OPPO discussion Rel-17 NR\_redcap-Core

R2-2204725 [O374] correction on RedCap UE’s cell barring OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

R2-2204736 [O372] Discussion on prohibit timer for UAI for RRM relaxation fulfilment indication OPPO discussion Rel-17 NR\_redcap-Core

R2-2204737 [O377] Correction to 38.331 on UAI for RRM relaxation fulfilment indication OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

R2-2204813 [V166] Including RedCap Capability in the UERadioPagingInformation Inter-Node Message vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2204814 [V170] Discussion on Inter-RAT Mobility from LTE to NR for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2204929 RRC open issues on Rel17 RedCap WI Intel Corporation discussion Rel-17 NR\_redcap

R2-2205036 Inter-RAT mobility from LTE to NR Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

R2-2205037 Paging capability and cell selection related to R4 LS Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

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

R2-2205150 Correction on DRX cycle of the UE for eDRX NEC CR Rel-17 38.304 17.0.0 0243 - F NR\_redcap-Core

R2-2205770 Consideration on RedCap access indication ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

R2-2205904 Handover from E-UTRA from legacy eNB to legacy gNB Ericsson discussion Rel-17 NR\_redcap

R2-2206032 Further discussion on SI acquisition in RedCap-specific BWP Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

R2-2206033 Measurement object configuration with NCD-SSB Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

R2-2206059 [X115]38.331 Corrections on UE's behaviour of getting SIB1 for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

R2-2206060 [X119][X114]Discussion on PDCCH-ConfigCommon for Redcap Xiaomi Communications discussion

R2-2206061 [X119][X114]38.331 Corrections on PDCCH-ConfigCommon for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

R2-2206062 [X120]38.331 Corrections on Need code of RedCap-specific initial DL BWP for handover Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

##### 6.12.2.2.2 Other

Contributions on any other CP issues.

R2-2204541 [S953] SI Request for RedCap UEs Samsung Electronics Co., Ltd discussion Rel-17 NR\_redcap-Core

R2-2204815 Coexistence of Rel-16 and Rel-17 RRM relaxation criteria vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2204816 Correction on RLM for RedCap vivo, Guangdong Genius CR Rel-17 38.300 17.0.0 0446 - F NR\_redcap-Core

R2-2204819 UE Capability and System Information for eDRX vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2204928 Draft 38.304 CR for the eDRX handling Intel Corporation draftCR Rel-17 38.304 17.0.0 F NR\_redcap

R2-2204936 I051 support of RedCap based on intraFreqReselectionRedCap Intel Corporation discussion Rel-17 NR\_redcap

R2-2204979 Cell reselection priority for RedCap (RIL#: S952) Samsung discussion Rel-17 NR\_redcap-Core

R2-2205039 [Draft] LS on the maximum PTW length of IDLE eDRX Huawei, HiSilicon LS out To:RAN3, CT1

R2-2205089 Co-existence of Rel-16 and Rel-17 RRM relaxation Samsung discussion Rel-17

R2-2205090 Corrections on eDRX Samsung CR Rel-17 38.304 17.0.0 0242 - F NR\_redcap-Core

R2-2205091 Correction on RRM relaxation in RRC\_CONNECTED (RIL#:951) Samsung CR Rel-17 38.331 17.0.0 3045 - F NR\_redcap-Core

R2-2205284 [J001] Correction on Srxlev in connected RRM relaxation critrion Sharp, Huawei, HiSilicon discussion Rel-17

R2-2205337 Other CP aspects for DRX cycle LG Electronics Finland discussion NR\_redcap-Core

R2-2205523 SIB validity with eDRX MediaTek Inc. discussion Rel-17 NR\_redcap-Core

R2-2205613 38.304 Corrections on Redcap UE's behavior on cellbar Xiaomi Communications,Huawei, HiSilicon draftCR Rel-17 38.304 17.0.0 NR\_redcap-Core

R2-2205637 RedCap UE power class 7 signaling Apple CR Rel-17 38.331 17.0.0 3107 - F NR\_redcap-Core

R2-2205638 RedCap UE power class 7 signaling Apple CR Rel-17 38.306 17.0.0 0724 - F NR\_redcap-Core

R2-2205769 Corrections on eDRX ZTE Corporation, Sanechips draftCR Rel-17 38.304 17.0.0 F NR\_redcap-Core

R2-2205783 Miscellaneous RedCap corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3117 - F NR\_redcap-Core

R2-2205785 HD-FDD RedCap support in system information Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

R2-2205786 RSRP thresholds for 1 Rx RedCap Ues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

R2-2206024 Configuring margin for 1 Rx RedCap UEs Ericsson discussion Rel-17 NR\_redcap-Core

R2-2206080 [H507] Corrections on cell re-selection measurements during RRC setup/resume Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3161 F NR\_redcap-Core

R2-2206081 [H511] Corrections on redcapAccessRejected Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3162 F NR\_redcap-Core

R2-2206082 [H513 H516 H520 H524 H525 H526 H527] Corrections on RedCap initial BWP Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3163 F NR\_redcap-Core

### 6.12.3 User Plane

#### 6.12.3.1 MAC aspects

R2-2204817 Discussion on MAC aspects for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2205040 Discussion on MAC RACH related issues for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

R2-2205487 Corrections on BWP operation for RedCap UE LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

### 6.12.4 UE capabilities

#### 6.12.4.1 Known remaining issues

Corrections/clarifications for already known issues, e.g. those not concluded in the discussion for R2-2203563.

R2-2204738 Clarification on HD-FDD support for RedCap OPPO discussion Rel-17 NR\_redcap-Core

R2-2204818 Discussion on capability for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2204925 Open issues on RedCap capabilities Intel Corporation discussion Rel-17 NR\_redcap

R2-2204926 Draft 38.306 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_redcap

R2-2204927 Draft 38.331 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.331 17.0.0 F NR\_redcap

R2-2205787 On RedCap UE capabilities Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

R2-2206025 Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.304 17.0.0 0253 - F NR\_redcap-Core

R2-2206026 Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.306 17.0.0 0739 - F NR\_redcap-Core

R2-2206027 Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.331 17.0.0 3152 - F NR\_redcap-Core

#### 6.12.4.2 Other

Contributions on any other issues.

## 6.13 SON/MDT

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: RP-201281)

Tdoc Limitation: 5 tdocs

WI is declared 100% complete

### 6.13.1 Organizational

Tdoc Limitation: 0

LS in etc

R2-2204405 Reply LS on UE context keeping in the source cell (R3-212944; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

R2-2204406 LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (R3-214429; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh2 To:SA5, RAN2

R2-2204407 Reply LS on scenarios need to be supported for MRO in SCG Failure Report (R3-216159; contact: Samsung) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

R2-2204408 Reply LS on Area scope configuration and Frequency band info in MDT configuration (R3-221178; contact: Huawei) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

R2-2204409 Reply LS to SA5 on beam measurement reports (R3-221383; contact Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:SA5 Cc:RAN2

R2-2204412 Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (S5-213499; contact: Ericsson) SA5 LS in Rel-17 To:RAN3 Cc:RAN2

R2-2204413 Reply LS on Report Amount for M4, M5, M6, M7 measurements (S5-214523; contact: Nokia) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:RAN2

R2-2204414 Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (S5-215493; contact: Ericsson) SA5 LS in Rel-17 e\_5GMDT To:RAN3 Cc:RAN2

R2-2204415 Reply LS on the Beam measurement reports for the MDT measurements (S5-216628; contact: Ericsson) SA5 LS in Rel-17 e\_5GMDT To:RAN3 Cc:RAN2

R2-2204448 LS on UP measurements for Successful Handover Report (R3-212935; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

R2-2204498 Reply LS on MDT M6 calculation for split bearers in MR-DC (R3-222868; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2, SA5

### 6.13.2 CRs and Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide input CRs, and Provide resolution proposals for smaller and editorial corrections.

R2-2205903 Miscellaneous rapporteur corrections for SON-MDT Ericsson CR Rel-17 38.331 17.0.0 3136 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.3 SON Corrections

R2-2204876 [N030] Correction to conditions determining successful handover report Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3011 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204877 [N028] Correction to SuccessHO-Config Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3012 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204878 Correction to Mobility History Information setting [N094][N095][E122][H072] Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3013 - F NR\_ENDC\_SON\_MDT\_enh-Core Late

R2-2204879 Corrections on Rel-17 RLFreport Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204880 Clarification on SHR for DAPS HO Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204883 RIL: [S702] [S703] [S704] [S705] [S706] [S707] [S708] Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204884 RIL: [S709][S710][S711][S712] Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204885 RIL: [S713][S714][S715]Using ENUMERATED {true} instead of BOOLEAN Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204938 [C320] Add SgNB RA Report related Information CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204939 Addition of SON Features Enhancement in Stage 2 CATT draftCR Rel-17 38.300 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204940 [C326] Clarification on CHO Candidate Cell List in SHR CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204941 [C327] Correction on CHO Information Logging for Mobility from NR Failure CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204942 [C328] Clarification on CHO Information Logging in Neighbour Cell Measurement in RLF Report CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204966 [B180] TP for reporting CHO execution condition in RLF report Lenovo discussion Rel-17

R2-2204967 [B181] TP for reporting time information for SCG failure Lenovo discussion Rel-17

R2-2205046 [W006] Correction on the generation and discarding of SHR NEC CR Rel-17 38.331 17.0.0 3035 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205072 Discussion on SON with DAPS [S704] Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205074 Introduction of SHR in TS 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0453 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205075 Corrections on TS 37.320 for SON and MDT Huawei, HiSilicon CR Rel-17 37.320 17.0.0 0118 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205361 [Z401][Z413] Consideration on multiple CEF report ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205362 [Z421] Consideration on RA report ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205363 [Z408] Consideration on RLF-report for CHO-DAPS ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205364 Draft CR to 38331 on RLF-report ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205704 HO related SON corrections Qualcomm Incorporated discussion Rel-17

R2-2205892 Corrections to 2-step RA Report [E076][E078] Ericsson CR Rel-17 38.331 17.0.0 3130 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205893 Corrections to Mobility History Information [E120][E121][E122] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205894 Corrections to mobility history information reporting [E120, E121, E122] Ericsson CR Rel-17 38.331 17.0.0 3131 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205901 Including source-related RA-Information in SHR [E079] Ericsson CR Rel-17 38.331 17.0.0 3135 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206098 [H070, H095, H105, H106, H107, H108] SON with CHO Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206099 [H069] TAC for RLF report Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206100 [H074] UP interruption time Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206101 [H096] SN RACH reporting issue Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206102 [H099, H100] 2-step RA related issues Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206103 [H097] msgA-PUSCH-PayloadSize indication Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206104 [H076] triggeredEvent related issues Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2206132 Issues with nested MHI [H098][N094][N095][E121][H071][E122] Nokia, Nokia Shanghai Bell discussion Rel-17

### 6.13.4 MDT Corrections

R2-2204672 [O700][O701] RRC corrections for MDT OPPO discussion Rel-17 NR\_SON\_MDT-Core

R2-2204943 The Correction on TS37.320 CATT discussion Rel-17 37.320 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205076 Corrections on TS.38.314 for the delay measurement for split bearer Huawei, HiSilicon CR Rel-17 38.314 17.0.0 0023 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205686 TP on signalling based logged MDT override protection in inter-PLMN scenarios [RIL number E069] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205687 TP on IDC issues in logged MDT [RIL number E074] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205688 TP on multiple CEF reports [RIL number E075 and E123] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205689 TP on L2 measurements for total RAN delay calculation Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205736 [S716] Remaining issues on multiple CEF reports Samsung Electronics Co., Ltd discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205738 [S701] Remaining issues on signalling based MDT protection Samsung Electronics Co., Ltd discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.5 UE Capabilities

Initial discussion on Features / UE caps developed in RAN2, if any. Note that this AI is complementary to AI 6.0.2.

R2-2204944 [C329] Add MDT related UE Capabilities of EMR CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2204945 Add MDT related UE Capabilities of EMR CATT draftCR Rel-17 38.306 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205073 Corrections on TS 38.306 for UE capabilities for SON and MDT Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0707 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205705 SON MDT UE Capabilities Qualcomm Incorporated discussion Rel-17

### 6.13.6 Other

R2-2204664 CR to 38314 on RA preamble measurement ZTE Corporation, Sanechips, CMCC CR Rel-17 38.314 17.0.0 0022 - F NR\_ENDC\_SON\_MDT\_enh-Core

R2-2205222 Discussion on PSCell MHI recording for RRC inactive state Sharp discussion R2-2202939

R2-2205567 Addition of Last Serving Beam in RLF Report Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

## 6.14 NR QoE

(NR\_QoE-Core; leading WG: RAN3; REL-17; WID: RP-211406)

Tdoc Limitation: 4 tdocs

WI is declared 100% complete

### 6.14.1 General

#### 6.14.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

R2-2204449 LS on the specification of AT commands for NR QoE (C1-222058; contact: Ericsson) CT1 LS in Rel-17 TEI17, NR\_QoE-Core To:RAN2, RAN3, SA5 Cc:SA4

R2-2204500 LS on RAN3 agreements for NR QoE (R3-222890; contact: China Unicom) RAN3 LS in Rel-17 NR\_QoE-Core To:RAN2, SA4, SA5

R2-2204528 Reply LS on UE capabilities for NR QoE (S4-220534; contact: Ericsson) SA4 LS in Rel-17 NR\_QoE-Core To:RAN2, CT1

#### 6.14.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur.

R2-2204591 38.300 CR Correction for Introduction of QoE measurements in NR China Unicom, Huawei, HiSilicon, Ericsson, Apple CR Rel-17 38.300 17.0.0 0441 - F NR\_QoE-Core

R2-2205439 Correction CR for QoE measurements Ericsson CR Rel-17 38.331 17.0.0 3086 - F NR\_QoE-Core Late

R2-2206119 RIL List v207 for QoE L.M. Ericsson Limited discussion NR\_QoE-Core

### 6.14.3 Corrections

Online first

R2-2204847 Corrections to stage 2 NR QoE description Lenovo draftCR Rel-17 38.300 17.0.0 NR\_QoE-Core

R2-2204848 Discussion on NR QoE issues Lenovo discussion Rel-17 NR\_QoE-Core

R2-2204874 [N024] Correction to storage of application layer measurements during Pause Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3009 - F NR\_QoE-Core

R2-2204875 [N023] Correction to paused application layer measurements reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3010 - F NR\_QoE-Core

R2-2205085 Correction on UE configuration for QoE (RIL#: S751) Samsung CR Rel-17 38.331 17.0.0 3041 - F NR\_QoE-Core

R2-2205086 Class 0 corrections on QoE configuration and report Samsung CR Rel-17 38.331 17.0.0 3042 - F NR\_QoE-Core

R2-2205087 Further corrections on QoE configuration Samsung CR Rel-17 38.331 17.0.0 3043 - F NR\_QoE-Core

R2-2205088 Further corrections on QoE report Samsung CR Rel-17 38.331 17.0.0 3044 - F NR\_QoE-Core

R2-2205283 Discussion on session stop during QoE reporting suspend Qualcomm Incorporated discussion NR\_QoE\_enh-Core

R2-2205334 Clarification on session stop during QoE reporting suspend Qualcomm Incorporated draftCR Rel-17 38.331 17.0.0 F NR\_QoE\_enh-Core

R2-2205440 Discussion on naming of QoE measurements Ericsson discussion Rel-17 NR\_QoE-Core

R2-2205441 Discussion on RIL issue E138 related to handover Ericsson discussion Rel-17 NR\_QoE-Core

R2-2205442 Discussion on RIL issues H088 and H089 related to RAN visible QoE Ericsson discussion Rel-17 NR\_QoE-Core

R2-2205443 Discussion on other RIL issues Ericsson discussion Rel-17 NR\_QoE-Core Late

R2-2205943 Corrections to TS 38.300 for NR QoE Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 F NR\_QoE-Core

R2-2206128 Discussion on applicationLayerSessionStatus (RIL: H056) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

R2-2206129 Clarifications for buffer level reporting (RIL: H088) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

R2-2206130 Corrections for RAN visible QoE (RIL: H089, H090, H909) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

### 6.14.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

R2-2204849 Introduction of AS layer memory size for QoE paused measurement reports Lenovo draftCR Rel-17 38.306 17.0.0 NR\_QoE-Core

R2-2205944 Correction on QoE capabilities dependencies Huawei, HiSilicon draftCR Rel-17 38.306 17.0.0 F NR\_QoE-Core

### 6.14.5 Other

R2-2205649 Area scope and mobility management Apple discussion Rel-17 NR\_QoE-Core

## 6.15 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: RP-202846)

WI has been declared 100% complete

Note some agenda item(s) may use pre-meeting discussion based on a summary document.

### 6.15.1 Organizational

Including incoming LSs, rapporteur inputs, etc.

R2-2204525 Reply LS on Tx Profile (S2-2203595; contact: LGE) SA2 LS in Rel-17 NR\_SL\_enh-Core, 5G\_ProSe, eV2XARC\_Ph2 To:RAN2 Cc:CT1

R2-2204644 Introduction of UE capability for Rel-17 sidelink OPPO CR Rel-17 36.331 17.0.0 4781 - B NR\_SL\_enh-Core

R2-2205101 (draft)Reply LS to SA2 on Tx Profile ZTE Corporation, Sanechips LS out Rel-17 NR\_SL\_enh-Core To:SA2

R2-2205175 Discussion on SA2 LS (S2-2203595) Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2205262 Discussion on SA2 reply LS about TX profile associated with L2 ID(s) vivo discussion Rel-17

R2-2205265 Draft reply LS to SA2 on TX profile associated with L2 ID(s) vivo LS out Rel-17 To:SA2 Cc:CT1

R2-2205952 Miscellaneous Corrections to eSL InterDigital (Rapporteur) CR Rel-17 38.300 17.0.0 0469 - D NR\_SL\_enh-Core

R2-2206079 (draft)Reply LS to SA2 on Tx Profile ZTE Corporation, Sanechips LS out Rel-17 NR\_SL\_enh-Core

R2-2206133 Misc Class 0 corrections on TS 38.331 for SL enhancement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3174 - D NR\_SL\_enh-Core

R2-2206134 Misc Class 1 Class 2 corrections on TS 38.331 for SL enhancement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3175 - F NR\_SL\_enh-Core

R2-2206135 Summary of pre-discussion on RIL issues Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2206138 Rapporteur resolution for various RILs Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

### 6.15.2 Essential corrections

No documents should be submitted to 6.15.2. Please submit to 6.15.2.x.

#### 6.15.2.1 Control plane procedure for UC DRX

Including whether Rx-UE use the message of RRCReconfigurationCompleteSidelink or RRCReconfigurationFailureSidelink to reject a DRX configuration, default SL DRX configuration for non-initial SL DRX configuration when reject happens, whether the TX UE should keep in active time after sending RRCReconfigurationSL, detailed (configuration) information included into each PC5-RRC, etc.

R2-2204578 Discussion on left issues on control plane procedure for UC DRX OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204643 Correction on [O099] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2204861 Discussion and TP for correction on RX UE reject behaviour Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2204862 Consideration on active time during uincast connection establishment Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2204954 Consideration for Control Plane Procedure for UC DRX CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2204955 Correction on the SL Active Time CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

R2-2204970 Remaining issues on SL DRX UC CP aspects for UC procedure Lenovo discussion Rel-17

R2-2204971 Remaining issues for user plane of sidelink enhancement Lenovo discussion Rel-17

R2-2205096 Discussion on the case that no SL DRX configuration is received from TX UE ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205097 Discussion on remaining issues for SL DRX rejection ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205106 [Z684]Correction on Destination ID list ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3049 - F NR\_SL\_enh-Core

R2-2205116 remaining issues for control plane procedure for UC DRX LG Electronics France discussion

R2-2205148 Discussion on Rx UE’s rejection for SL DRX configuration NEC Corporation discussion

R2-2205178 Remaining control procedure of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2205263 Remaining issues on CP procedure for UC DRX vivo discussion Rel-17

R2-2205264 Uu RRC impact by SL-DRX rejection from RX UE vivo discussion Rel-17

R2-2205315 Discussion on UC sidelink DRX reject procedure Xiaomi discussion

R2-2205317 [X202][H663] Discussion on how RX UE to report accepted SL DRX and interested QoS Xiaomi discussion

R2-2205346 Correction on control plane ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3069 - F NR\_SL\_enh-Core Late

R2-2205347 Correction on [Z677,Z680] ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3070 - F NR\_SL\_enh-Core

R2-2205534 DRX configuration reject Samsung discussion

R2-2205605 Correction of SL DRX for SL discovery Samsung discussion Rel-17 NR\_SL\_enh-Core

R2-2205606 Correction of SL DRX for L2 U2N Relay Samsung discussion Rel-17 NR\_SL\_enh-Core

R2-2205706 Discussion on Procedure for UC SL DRX Qualcomm India Pvt Ltd discussion

R2-2205782 [E101] Correction on resource pool handling Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2205790 Open issues for SL DRX Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2205913 Open Issues on Signaling for Unicast DRX Configuration InterDigital discussion Rel-17 NR\_SL\_enh-Core

R2-2205914 Handling DRX Following DCR Message InterDigital, Ericsson, Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2206136 [H660][V402][V403] Discussion on actions related to reception of UEAssistanceInformationSidelink message Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2206137 [H663] [Z679] [X202] Discussion on implementation of RX UE reporting information related to SL DRX Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

#### 6.15.2.2 Configuration aspects

Including TX profile for GC/BC, detailed configuration aspects, value ranges of timers/offsets (including other SL DRX related parameters), etc.

R2-2204579 Discussion on DRX left issues for configuration aspects OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204639 Discussion on Tx profile implementation [O074] OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204640 Correction on [O027, O028, O030, O031, O034-O046] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2204863 Discussion on TX profile for broadcast and groupcast Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2204953 Issues corresponding to TX Profile CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2205098 Discussion on Sidelink UE information ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205099 Discussion on SL DRX remaining issues for IE design ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205100 Discussion on TX profile issues for SL DRX ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205117 remaining issues related to the TX profile LG Electronics France discussion

R2-2205176 Configuration aspects of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2205183 Correction on RIL issue E042 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

R2-2205184 Correction on RIL issue E046 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

R2-2205185 Correction on RIL issue E047 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

R2-2205316 [X209] Discussion on preconfigured GC/BC SL DRX usage Xiaomi discussion

R2-2205318 [X210] Discussion on GC/BC sidelink DRX operation in partial coverage Xiaomi discussion

R2-2205335 Reply LS to SA2 on Tx Profile LG Electronics France LS out Rel-17 To:SA2 Late

R2-2205537 Preferred DRX configuration Samsung discussion

R2-2205538 TX profile for GC/BC Samsung discussion

R2-2205620 [B200][B201][B202][B203]Some correction for SL DRX Configuration Lenovo discussion NR\_SL\_enh-Core

R2-2205642 [A914][A918][A919] Discussion on corrections of IUC Scheme 1 configurations in RRC Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2205643 [Draft] LS on RRC parameters for IUC Scheme 1 Apple LS out Rel-17 NR\_SL\_enh-Core To:RAN1

R2-2205644 [A904][A905][V380] Discussion on RRC configuration for power-saving resource pools Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2205707 Discussion on Configuration Aspects Qualcomm India Pvt Ltd discussion

R2-2206048 On corrections of TX UE reporting reject related to [H654] Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

#### 6.15.2.3 User plane aspects

Including detailed behavior for timers/offsets, resource reselection, HARQ A/N when grant is dropped due to no RX-UE in activet time, etc.

R2-2204552 Clarification on resource re-selection for pre-empted resource with SL DRX SHARP Corporation discussion NR\_SL\_enh-Core

R2-2204574 Correction on user plane aspects for SL DRX OPPO CR Rel-17 38.321 17.0.0 1221 - F NR\_SL\_enh-Core

R2-2204575 Miscellaneous correction on user plane aspects for SL DRX OPPO CR Rel-17 38.321 17.0.0 1222 - F NR\_SL\_enh-Core

R2-2204580 Discussion on DRX left issues for user plane aspect OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204642 Correction on [O069, O096, O097] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2204779 Correction on user plane aspects for SL DRX (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1235 - F NR\_SL\_enh-Core Late

R2-2204781 Correction on user plane aspects for SL DRX LG Electronics France CR Rel-17 38.321 17.0.0 1237 - F NR\_SL\_enh-Core

R2-2204782 Discussion on remaining issues for user plane aspect LG Electronics France discussion Rel-17 38.321

R2-2204783 Discussion on remaining issues for user plane aspect LG Electronics France discussion Rel-17 38.321 Withdrawn

R2-2204864 Further consideration on SL DRX with TP for MAC spec corrections Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2204865 Clarification on Uu DRX for SL communication Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2204922 Miscellaneous correction on TS 38.321 for SL DRX Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1242 - F NR\_SL\_enh-Core

R2-2204946 Combination of SL DRX, Discovery and relay-related Communication CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2204947 Discussion on the SL DRX Inactivity Timer Maintenance CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2204948 Correction on the SL DRX Inactivity Timer Maintenance CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

R2-2204949 Discussion on the SL DRX Retransmission Timer Maintenance CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2204950 Correction on the SL DRX Retransmission Timer Maintenance CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

R2-2204951 Miscellaneous corrections on SL DRX CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

R2-2205104 Correction on resource pool selection for IUC ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1252 - F NR\_SL\_enh-Core

R2-2205105 Discussion on user plane FFS issues for SL DRX ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205107 Correction on Destination ID index in SL BSR ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1253 - F NR\_SL\_enh-Core

R2-2205136 Discussion on SL MAC aspects ASUSTeK discussion Rel-17 38.321 NR\_SL\_enh-Core

R2-2205180 Corrections of 38.321 on TX resource selection Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

R2-2205181 Corrections of 38.321 on SL grant reception Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

R2-2205182 Corrections of 38.321 on IUC MAC CE Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

R2-2205536 MAC open issues Samsung discussion

R2-2205622 Aligning Parameter names for UC GC and BC Lenovo CR Rel-17 38.321 17.0.0 1275 - F NR\_SL\_enh-Core

R2-2205833 Discussion on active time of SL DRX for the announced periodic transmissions Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh-Core

R2-2205910 Corrections on HARQ RTT Handling in MAC Specification InterDigital, Ericsson, Apple draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

R2-2205911 Corrections on Inactivity Timer Resetting for Groupcast InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

R2-2205912 Corrections on Active Time Definition at the TX UE InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

#### 6.15.2.4 Inter-UE Coordination

Including priority order between IUC REQ and IUC MAC CEs, need of timer-based latency bound restriction for condition-based IUC (including details if needed), timer value, maximum number of resource combinations that can be included in IUC INFO MAC CE, etc.

R2-2204553 Remaining issues on resource selection for Inter-UE coordination SHARP Corporation discussion NR\_SL\_enh-Core

R2-2204576 Correction on user plane aspects for inter-UE coordination OPPO CR Rel-17 38.321 17.0.0 1223 - F NR\_SL\_enh-Core

R2-2204581 Discussion on left issue of inter-UE coordination OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204780 Correction on user plane aspects for Inter-UE Coordination (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1236 - F NR\_SL\_enh-Core Late

R2-2204784 Discussion on remaining issues for Inter-UE Coordination LG Electronics France discussion Rel-17 38.321

R2-2204923 Remaining issues on inter-UE coordination MAC CE Huawei, HiSilicon discussion NR\_SL\_enh-Core

R2-2204924 Discussion on latency bound for inter-UE coordination Huawei, HiSilicon discussion NR\_SL\_enh-Core

R2-2204952 Open Issues of Inter-UE Coordination CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2204968 Remaining issues on inter-UE coordination Lenovo discussion Rel-17

R2-2205103 Discussion on inter-UE coordination ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2205137 Correction on inter-UE coordination ASUSTeK CR Rel-17 38.321 17.0.0 1258 - F NR\_SL\_enh-Core

R2-2205141 Discussion on need of timer-based latency bound restriction for condition-based scenario NEC Corporation discussion Rel-17

R2-2205177 Remaing issues of inter-UE coordination Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2205344 Further Issues on Collision Avoidance of IUC messages Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core

R2-2205366 Validity of IUCInformation Messages Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core

R2-2205535 IUC open issues Samsung discussion

R2-2205604 Correction on SL grant selection procedure for inter UE coordination Samsung CR Rel-17 38.321 17.0.0 1274 - F NR\_SL\_enh-Core

R2-2205639 Discussion on limit of resource combinations in IUC-info MAC CE Apple, Ericsson, InterDigital, vivo discussion Rel-17 NR\_SL\_enh-Core

R2-2205640 Discussion on the timers for IUC INFO delivery Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2205641 Lack of priority information for preferred resource set in IUC INFO Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2205703 Multiple MAC CE handling and remaining PDB related to inter-UE coordination vivo discussion Rel-17

R2-2205708 Discussion on Inter-UE Coordination Qualcomm India Pvt Ltd discussion

R2-2205791 Open issues for Inter-UE coordination Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2205881 Enabling unsolicited transmission of IUC Nokia, Nokia Shanghai Bell draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

#### 6.15.2.5 Power-saving resource allocation

Including details of resource pool and partial-sensing based resource allocation/random selection.

R2-2204565 [V380] Discussion on the applicability of power-saving resource allocation to NR SL discovery vivo discussion R2-2204323

R2-2204566 [V351] On corrections to NR SL communication procedure using exceptional pool vivo discussion

R2-2204567 [V350] Corrections on NR SL communication transmission procedures in mode-2 normal pools vivo discussion

R2-2204568 [O092] Clarification on the CBR related default parameters vivo discussion Withdrawn

R2-2204577 [O092] Correction on default CBR configuration OPPO CR Rel-17 38.331 17.0.0 2975 - F NR\_SL\_enh-Core

R2-2204582 [O092] Discussion on default CBR measurement value OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204641 Correction on [O066, O067] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2205102 correction on exceptional resource pool for power saving ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3048 - F NR\_SL\_enh-Core

R2-2205142 Correction on user plane aspects for power saving (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1260 - F NR\_SL\_enh-Core Late

=> Withdrawn

### 6.15.3 Other

Including any other corrections.

R2-2204588 Discussion on Sidelink DRX for Sidelink Relay MediaTek Inc., APPLE, OPPO discussion Rel-17 NR\_SL\_relay-Core

R2-2204673 Discussion on the need of capability filter OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2205179 Issues of SL DRX for L2 U2N relay Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2205269 Corrections on the Sidelink DRX NEC Corporation CR Rel-17 38.300 17.0.0 0457 - F NR\_SL\_enh-Core

R2-2205272 Way forward for Sidelink DRX configuration report for Relay purpose MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core Late

R2-2206047 Correction on SL DRX configuration for SL Relay MediaTek Inc., Huawei, ZTE, OPPO draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

## 6.16 NR Non-Public Network enhancements

(WI NG\_RAN\_PRN\_enh-Core; leading WG: RAN3; REL-17; WID: RP-202363)

WI has been declared 100% complete

* [AT118-e][035][eNPN] Corrections (Nokia)

Scope: Treat all tdocs under 6.16. ph1 determine agreeable parts. Ph2 agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

### 6.16.1 General

#### 6.16.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

#### 6.16.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur.

R2-2205489 Corrections for eNPN from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0461 - F NG\_RAN\_PRN\_enh-Core Late

R2-2205490 Corrections for eNPN from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3089 - F NG\_RAN\_PRN\_enh-Core Late

### 6.16.3 Corrections

R2-2206012 [E036][E037] Corrections for eNPN Ericsson discussion Rel-17 NG\_RAN\_PRN\_enh-Core

## 6.17 NR feMIMO

(NR\_feMIMO-Core; leading WG: RAN1; REL-17; WID: RP-212535)

Tdoc Limitation: 4 tdocs

WI has been declared 100% complete

### 6.17.1 General

#### 6.17.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

R2-2204429 Additional LS response to RAN2 on beam management for multi-TRP (R1-2202942; contact: CATT) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

R2-2204462 Reply LS on Enhanced TCI state indication for UE-specific PDCCH MAC CE (R1-2202810; contact: Intel) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

R2-2204465 LS on feMIMO RRC parameters (R1-2202903; contact: Ericsson) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

#### 6.17.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2205207 MAC Corrections on feMIMO Samsung CR Rel-17 38.321 17.0.0 1261 - F NR\_feMIMO-Core

R2-2205499 MIMO ASN1 RIL list Ericsson discussion Late

R2-2205497 Correction for feMIMO WI Ericsson CR Rel-17 38.331 17.0.0 3090 - F NR\_feMIMO-Core Late

### 6.17.3 Corrections

#### 6.17.3.1 RRC centric

FFSes: MPE reporting in ICBM (inter-cell beam management): It is not clear whether explicit additional PCI is needed or not. Epxected updated based on RAN1 reply; For ASN.1 details further input is expected: maxNrofCandidateBeams-r17 is not known yet, maxNrofBFDResourcePerSet-r17 is said in LS 64 but feature discussion might indicate just max 2 per set.

Online first

Rapporteur

R2-2205883 MIMO RILs discussion (V102, I115, TBD) Ericsson discussion NR\_feMIMO-Core Late

SRS TCI State

R2-2205921 [H103] SRS resource usage with unified TCI framework Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

R2-2204599 Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

R2-2205413 Consideration on the SRS TCI state for UnifiedTCIState ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

MPE

R2-2204598 Discussion open RRC issues on MPE report and BFR OPPO discussion Rel-17 NR\_feMIMO-Core

R2-2204820 Discussion on MPE for ICBM vivo discussion Rel-17 NR\_feMIMO-Core Late

R2-2205414 Further Consideration on [RILZ095] for Enhanced MPE ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

R2-2205789 Discussion on [I115], [I116, Z095], [I102] Intel Corporation discussion Rel-17 NR\_feMIMO-Corex

R2-2205920 [Z095][I116] MPE RRC configuration Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

BFD/BFR

R2-2204914 RRC signaling for BFD-RS set configuration Fujitsu discussion Rel-17 NR\_feMIMO-Core

R2-2204915 [F002] Beam failure with iner-cell mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

PCI in TCI State

R2-2205421 Discussion on Association of PCI index and TCI state CATT discussion Rel-17 NR\_feMIMO-Core

R2-2205916 [H060] Inter-cell beam measurement configuration Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

R2-2204599 Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

DC + mTRP (F001, F002)

R2-2204599 Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

R2-2204915 [F002] Beam failure with iner-cell mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

Option of extending original TCI state IE

R2-2205385 [N019, N020, N102, N123] RRC corrections to FeMIMO Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core Late

R2-2206332 [N102, N123] Corrections to unified TCI state Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 F NR\_feMIMO-Core

Misc

R2-2205922 [H102] Replace PUCCH-SRS with IE Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

R2-2205915 [H059] Channel measurement resource configuration for mTRP Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

#### 6.17.3.2 MAC centric

FFSes: Details for Enhanced PHR MAC CE with enhanced MPE whether bits for beam presence are needed, if needed the MAC CE format may be updated for optimization; Details for Enhanced PHR for multiple TRP MAC CE; Reporting procedures (which serving cells are reported, how to handle the DC cases, etc), If needed, the MAC CE format may be updated; Need to determine if following feature is supported: Upon reception of a MAC CE to activate an SP SRS resource set for antenna switching, the UE considers any previously activated SP SRS resource set for antenna switching as deactivated; Configuring/Update of explicit BFD-RS set by MAC CE

Online first – if time

General

R2-2204882 Remaining issues on MAC LG Electronics Inc. discussion NR\_feMIMO-Core

R2-2205206 Remaining Corrections for MAC issues Samsung discussion NR\_feMIMO-Core

R2-2205919 SP-SRS resource set activation by MAC CE Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

R2-2204821 Discussion on MAC aspects for feMIMO vivo discussion Rel-17 NR\_feMIMO-Core Late

R2-2205242 Remaining issues of feMIMO MAC Qualcomm Incorporated discussion Rel-17 NR\_feMIMO-Core

R2-2205420 Discussion on Remaining MAC Open Issues CATT discussion Rel-17 NR\_feMIMO-Core

R2-2205917 MAC issues on MPE, mTRP PHR and BFR Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

R2-2205918 Discussion on the unified TCI framework related MAC CEs Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

SRS TCI State

R2-2204597 Discussion open MAC issues on SRS and CSI-RS OPPO discussion Rel-17 NR\_feMIMO-Core

R2-2205674 MAC CE for SRS TCI indication Apple discussion Rel-17 NR\_feMIMO-Core

MPE

R2-2204596 Discussion open MAC issues MPE report and PHR OPPO discussion Rel-17 NR\_feMIMO-Core

R2-2205026 Remaining issues on Enhanced PHR MAC CE with enhanced MPE Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core

R2-2205281 Remaining issue for MPE reporting Sharp discussion Rel-17 NR\_feMIMO-Core

PHR

R2-2205138 Discussion on Power Headroom Reporting for mTRP ASUSTeK discussion Rel-17 NR\_feMIMO-Core

R2-2205205 Considerations on Enhanced PHR for multiple TRP MAC CE Samsung discussion NR\_feMIMO-Core

R2-2205415 Further Consideration on new PHR For mTRP PUSCH repetition ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

R2-2205416 CR on 38.331 for PHR-Config ZTE Corporation,Sanechips CR Rel-17 38.331 17.0.0 3081 - F NR\_feMIMO-Core

R2-2205676 mTRP PHR report procedure Apple discussion Rel-17 NR\_feMIMO-Core

R2-2205960 Reporting procedure for multi-TRP PHR InterDigital discussion Rel-17 NR\_feMIMO-Core

BFD BFR

R2-2204540 Remaining Issue for Truncated Enhanced BFR MAC CE Samsung Electronics Co., Ltd discussion Rel-17 NR\_feMIMO-Core

R2-2204570 Update of explicit BFD-RS set by MAC CE CENC discussion

R2-2205123 Remaining issues on beam failure with mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

R2-2205204 Support of BFD-RS set update MAC CE Samsung discussion NR\_feMIMO-Core

R2-2205675 Explicit BFD-RS configuration and indication Apple discussion Rel-17 NR\_feMIMO-Core

R2-2205838 SpCell BFR with multiple BFD-RS sets Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core

R2-2205837 Miscellaneous BFR corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1287 - F NR\_feMIMO-Core

R2-2204569 Miscellaneous corrections to BFD/BFR CENC CR Rel-17 38.321 17.0.0 1220 - F NR\_feMIMO-Core

### 6.17.4 Other

Issues not covered elsewhere.

## 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

R2-2205469 [C153] The extension solution with bit string for FeatureCombination CATT discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core Late

R2-2205677 Clarification on the RACH partition selection (RIL A022) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

R2-2206105 Feature extension without using extension marker LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

R2-2206126 Miscellaneous corrections to RRC specifications for RACH partitioning (RIL: H538, H900, H901, H902) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

R2-2206127 Corrections on handling of per feature combination parameters (RIL: H535, H536, H542, H903, H904) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

### 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

R2-2205470 Consideration on UP Remaining Issues of RACH common CATT discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

R2-2205486 Correction on fallback cases from CFRA to CBRA for RedCap UE LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

R2-2205553 MAC Corrections for RACH partitioning ZTE Corporation (rapporteur) CR Rel-17 38.321 17.0.0 1273 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

R2-2205839 Introduction of RACH partitioning Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0466 - F NR\_SmallData\_INACTIVE-Core

R2-2205840 RACH partitioning MAC issues Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1288 - F NR\_SmallData\_INACTIVE-Core

R2-2205876 Feature Prioritization for RACH Partitioning Ericsson discussion Rel-17

R2-2205941 Various corrections to MAC spec for RACH partitioning Huawei, HiSilicon draftCR Rel-17 38.321 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

R2-2205942 Correction to RACH procedure with SDT applicability Huawei, HiSilicon draftCR Rel-17 38.321 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

## 6.19 Coverage Enhancements

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: RP-211566)

WI has been declared 100% complete

Tdoc Limitation: 2 tdoc

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

### 6.19.1 Organizational

Rapporteur input, incoming LS etc.

R2-2204444 Reply LS on Maximum duration for DMRS bundling (R4-2206537; contact: Qualcomm) RAN4 LS in Rel-17 NR\_cov\_enh To:RAN1, RAN2

R2-2204463 Reply LS on UL BWP with PRACH resources only for RACH with Msg3 repetition (R1-2202829; contact: ZTE) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

R2-2204469 Reply LS on Stage 2 description for Coverage Enhancements (R1-2202867; contact: China Telecom) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

R2-2204505 Reply LS on Length of Maximum duration (R4-2206580; contact: China Telecom) RAN4 LS in Rel-17 NR\_cov\_enh-Core To:RAN1, RAN2

R2-2205069 Report of [Pre118-e][103][CovEnh] 38331 CR and rapporteur resolutions (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core Late

#### 6.19.1.1 LS in

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

Rapporteur input may be provided.

#### 6.19.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

R2-2205070 Correction for NR coverage enhancements (CR rapporteur) Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3039 - F NR\_cov\_enh-Core Late

### 6.19.2 General

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

R2-2204726 Stage-2 correction on CE OPPO CR Rel-17 38.300 17.0.0 0443 - F NR\_cov\_enh-Core

R2-2204739 Correction to 38.321 on redundancy version for Msg3 repetition OPPO CR Rel-17 38.321 17.0.0 1227 - F NR\_cov\_enh-Core

R2-2204837 Discussion on CFRA PUSCH with Repetition vivo discussion Rel-17 NR\_cov\_enh-Core R2-2202981

R2-2205067 Clarification on Msg3 repetition RV determination to MAC spec Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1251 - F NR\_cov\_enh-Core

R2-2205068 Discussion on the leftover issues for CE-specific RACH Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core

R2-2205841 CE RACH only BWP handling Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1289 - F NR\_cov\_enh-Core

R2-2205842 Corrections on MSG3 repetition Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0467 - F NR\_cov\_enh-Core

R2-2205851 Further issues on coverage enhancements Ericsson discussion NR\_cov\_enh

R2-2205852 On CFRA Msg3 repetitions Ericsson discussion NR\_cov\_enh

R2-2206034 On BWP configured with RACH resources only for Msg3 repetition Qualcomm Incorporated discussion Rel-17 NR\_cov\_enh-Core

## 6.20 Extending NR operation to 71GHz

(NR\_ext\_to\_71GHz-Core; leading WG: RAN1; REL-17; WID: RP-212637)

Tdoc Limitation: 4 tdocs

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

This WI has approved exception sheet in RP-220991 but no topics are related to RAN2 work.

### 6.20.1 Organizational

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

R2-2204852 Correction of RACH preamble lengths for FR2-2 Qualcomm Incorporated CR Rel-17 38.300 17.0.0 0447 - F NR\_ext\_to\_71GHz-Core

R2-2205188 Correction of RRC CR for 71 GHz Ericsson CR Rel-17 38.331 17.0.0 3055 - F NR\_ext\_to\_71GHz-Core Late

R2-2205189 RIL issues of RRC CR correction for 71 GHz Ericsson other Rel-17 NR\_ext\_to\_71GHz-Core Late

### 6.20.2 Control plane corrections

Including essential control plane corrections to NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated.

R2-2204869 Correction to Stage 2 spec for Ext71GHz Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0448 - F NR\_ext\_to\_71GHz-Core

R2-2204871 Correction to periodicityAndOffset for Ext 71GHz [H707] Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3008 - F NR\_ext\_to\_71GHz-Core

R2-2204872 Discussion on overheating assistance report for SCG in EN-DC Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

R2-2205050 [S626] Clarification on drx-HARQ-RTT-TimerDL/UL Samsung discussion Rel-17 NR\_ext\_to\_71GHz-Core

R2-2205051 [E048] Overheating assistance information for FR2-2 in (NG)EN-DC Samsung discussion Rel-17 NR\_ext\_to\_71GHz-Core

R2-2205052 [E048] Overheating information for FR2-2 in (NG)EN-DC (38.331) Samsung draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core

R2-2205053 [E801] Overheating information for FR2-2 in (NG)EN-DC (36.331) Samsung draftCR Rel-17 36.331 17.0.0 F NR\_ext\_to\_71GHz-Core

R2-2205190 Correction on RIL issue E801 Ericsson draftCR Rel-17 36.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

R2-2205191 Correction on RIL issue E049 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

R2-2205192 Correction on RIL issue E134 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

R2-2205193 Correction on RIL issue E135 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

R2-2205194 Correction on RIL issue E136 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

R2-2205554 Control plane issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion Rel-17

### 6.20.3 User plane corrections

Including essential user plane corrections to NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated.

R2-2205195 Correction of 38.300 Ericsson draftCR Rel-17 38.300 17.0.0 F NR\_ext\_to\_71GHz-Core

R2-2205239 Discussion and related TP on necessary update of Rel-16 LBT CATT discussion Rel-17 NR\_ext\_to\_71GHz-Core

R2-2205555 User Plane Issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion Rel-17

### 6.20.4 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to UE capabilities related to RAN2-defined features for NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

R2-2204870 Correction to 38.306 for Ext71GHz Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0705 - F NR\_ext\_to\_71GHz-Core

R2-2205792 Remaining UE capabilities on NR operation for upto 71GHz Intel Corporation discussion Rel-17 NR\_ext\_to\_71GHz-Core

R2-2205793 Further updates for 71GHz UE capabilities (TS38.306) Intel Corporation draftCR Rel-17 38.306 17.0.0 B NR\_ext\_to\_71GHz-Core

R2-2205794 Further updates for 71GHz UE capabilities (TS38.331) Intel Corporation draftCR Rel-17 38.331 17.0.0 B NR\_ext\_to\_71GHz-Core

## 6.21 TEI17

Time budget: 2 TU

### 6.21.1 TEI proposals initiated by other groups

Including incoming LSes.

Offline first

* [AT118-e][036][TEI17] CHO with SCG (CATT)

Scope: Treat R2-2204494, R2-2204935, R2-2205282, R2-2205472, R2-2205473, R2-2205474, R2-2205475, R2-2205532, R2-2206004, R2-2206005

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

R2-2204494 Response LS on Conditional Handover with SCG configuration scenarios (R3-222840; contact: Nokia) RAN3 LS in Rel-17 TEI17 To:RAN2

R2-2204935 Discussion on remaining issues on CHO including SCG configuration Intel Corporation discussion Rel-17 TEI17

R2-2205282 Discussion on CHO with target SCG MediaTek Inc. discussion Late

R2-2205472 Discussion on CHO with SCG configuration CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson discussion Rel-17 TEI17

R2-2205473 Support of CHO with SCG configuration - 36331 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson draftCR Rel-17 36.331 17.0.0 F TEI17

R2-2205474 Support of CHO with SCG configuration - 38331 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson draftCR Rel-17 38.331 17.0.0 F TEI17

R2-2205475 Support of CHO with SCG configuration - 37340 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, Nokia, Nokia Shanghai Bell, CMCC, Ericsson draftCR Rel-17 37.340 17.0.0 F TEI17

R2-2205532 Supporting CHO with SCG configuration in 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3099 - F LTE\_NR\_DC\_enh2-Core Late

R2-2206004 CHO configuration with SCG Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3148 - F TEI17

R2-2206005 CHO configuration with SCG Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4817 - F TEI17

### 6.21.2 TEI proposals initiated by RAN2

Proposals that has not yet been agreed.

Tdoc limitation: 2 tdocs, except for Operators.

Online

EPS fallback

R2-2204524 Reply LS on EPS fallback enhancements (S2-2203590; contact: Qualcomm) SA2 LS in Rel-17 TEI17 To:RAN2, CT1 Cc:SA3

EPS fallback early measurements

Performance estimates are now provided and can be considerd

R2-2205884 Latency Reduction during EPS Handover Fallback Vodafone GmbH discussion Rel-17

R2-2206118 Latency Reduction during EPS Handover Fallback Vodafone GmbH discussion Rel-17

R2-2205054 Early measurement for EPS Fallback vivo, China Telecom, CMCC, SoftBank, China Unicom, Vodafone, Ericsson discussion Rel-17 TEI17 R2-2201398

R2-2205055 38331 CR for Early measurement for EPS Fallback vivo, China Telecom, CMCC, SoftBank, China Unicom, Vodafone CR Rel-17 38.331 17.0.0 2872 2 B TEI17 R2-2201399

RACS segmentation capability ind

R2-2205519 Indication of RRC Segmentation capability for UE capability report Huawei, HiSilicon, Apple, BT, CATT, CMCC, China Unicom, Ericsson, LG Electronics, Nokia, Nokia Shanghai Bell, NTT DOCOMO INC., Qualcomm Incorporated, Vodafone, ZTE Corporation, Sanechips discussion Rel-17 TEI17

CSI report in MDT

R2-2206144 Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell, Verizon, Deutsche Telekom discussion Rel-17 TEI17

SRS in dormancy

R2-2204622 Periodic SRS in SCell dormant BWP Qualcomm Incorporated, ZTE Corporation, Futurewei discussion Rel-17

gNB ID length

R2-2205882 Flexible gNB ID length Ericsson, Verizon, China Telecom, Bell Mobility, Samsung, Rogers, TELUS discussion TEI17

=> Revised in R2-2206334

R2-2206334 Flexible gNB ID length Ericsson, Verizon, China Telecom, Bell Mobility, Samsung, Rogers, TELUS, Telecom Italia, T-Mobile USA, US Cellular discussion TEI17

DRX with bundling

R2-2205997 Correction to DRX operation with bundling controlled in the DCI Ericsson, Nokia, T-Mobile USA, Verizon, Docomo discussion Rel-17

Leave indication CHO

R2-2204853 Leaving indication for CHO execution Qualcomm Incorporated discussion

SDAP marker

R2-2205679 SDAP end-marker in RLC UM Apple, Futurewei, Spreadtrum, FGI, Asia Pacific Telecom, T-Mobile USA discussion Rel-17 TEI17 R2-2202521

Remote Access

R2-2205034 Discussion on remote access issue CMCC discussion Rel-17 TEI17

R2-2205056 Discussion on the identification of remote access UE vivo discussion Rel-17 TEI17

Inter frequency measurement enhancement

R2-2205832 On inter-frequency measurement configuration and reporting enhancements BT Plc., Ericsson, Vodafone, T-Mobile USA, Qualcomm discussion Rel-17

R2-2205664 Priority based inter-freq measurement reporting Apple discussion Rel-17 TEI17

Multiple RLC entities for mixed numerology CA

R2-2205849 Enhancements for CA with different numerologies Qualcomm Incorporated discussion

Treated in Pos Session

R2-2205845 Remaining details for high-precision GNSS reporting ESA, Ericsson, Deutsche Telekom, T-Mobile USA, Swift Navigation, Hexagon discussion Rel-17 37.355

=> Revised in R2-2206329

R2-2206329 Remaining details for high-precision GNSS reporting ESA, Ericsson, Deutsche Telekom, T-Mobile USA, Swift Navigation, Hexagon, MediaTek Inc., u-blox discussion Rel-17 37.355

Withdrawn

R2-2205566 Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

### 6.21.3 Corrections

Corrections CRs (Correction to TEI or TEI + other WI code) or detailed modifications to agreed proposals

Offline

* [AT118-e][037][NR17] TEI corrections (ZTE)

Scope: Treat R2-2205647, R2-2205417, R2-2205418, R2-2205563

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

R2-2205647 Correction on A901 for SI scheduling offset Apple draftCR Rel-17 38.331 17.0.0 F TEI17

R2-2205417 Extension of the timeDomainAllocation for CG type 1 with typeB repetition ZTE Corporation,Huawei, China Telecom, Sanechips CR Rel-17 38.331 17.0.0 3082 - F TEI17

Moved from 6.21.2

R2-2205418 Addition of UE capability of extension of TDRA indication for Configured UL Grant type 1 ZTE Corporation,Huawei, China Telecom, Sanechips CR Rel-17 38.306 17.0.0 0715 - F TEI17

Moved from 6.21.2

R2-2205563 Discussion on RRC status after reception of RRCRelease Huawei, HiSilicon discussion Rel-17 TEI17

Moved from 6.21.2

## 6.22 NR and MR-DC measurement gap enhancements

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: RP-211591)

Tdoc Limitation: 4 tdocs

WI is declared 100% complete.

### 6.22.1 General

#### 6.22.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

R2-2204474 LS on R17 MG enhancement - NCSG (R4-2206890; contact: Apple) RAN4 LS in Rel-17 NR\_MG\_enh-Core To:RAN2 Cc:RAN1

#### 6.22.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2205223 Clarification and correction for measurement gap enhancement features MediaTek Inc. CR Rel-17 38.331 17.0.0 3057 - F NR\_MG\_enh-Core Late

R2-2205220 Discussion on MGE RIL issues MediaTek Inc. discussion NR\_MG\_enh-Core Late

### 6.22.3 Corrections

#### 6.22.3.1 Preconfigured Measurement Gaps

FFSes: FFS whether and how to capture the UE behavior on PRS measurements within measurement gaps when a Pre-configured MG is provided by the network (as indicated in RAN4 LS R4-2206789); FFS whether and how the definition of measurement gap should be updated due to pre-configured MG; FFS whether the deactivated MG list configured in BWP or SCell could be configured with size zero.

How to configure NW-controlled pre-configured MG

Online first

R2-2205292 [H650][M604] Discussion on *deactivatedMeasGapList* and conditional presence of gap ID Huawei, HiSilicon, Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

R2-2205241 [H650][H651][M602][M603] Correction on pre-configured MG MediaTek Inc. draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core Late

R2-2205378 Resolving FFS on pre-MG Samsung discussion

Pre-configured MG and PRS

Await Pos Session discussion?

R2-2204543 Discussion on gap activation triggered by PRS measurement ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core

R2-2205267 [M007] Discussion on activation of pre-configured gap for PRS measurement MediaTek Inc. discussion NR\_MG\_enh-Core Late

R2-2205291 Discussion on pre-config MG for positioning Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2205726 [N126][N127] On Pre-configured Measurement Gaps FFS issue for PRS measurement Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

Misc

R2-2204822 Discussion on per-configured measurement gap vivo discussion Rel-17 NR\_MG\_enh-Core

R2-2206014 Pre-configured measurement gaps Ericsson discussion Rel-17 NR\_MG\_enh-Core

#### 6.22.3.2 Concurrent Measurement Gaps

FFSes: FFS on maximum number of gap priority; FFS on maximum number of gap ID; FFS whether and how to specify the conditional presence for gap ID

R2-2205229 [E033][E034][H652][M604][M605][M606] Correction on ToAddModList and Gap ID for multiple gap configurations MediaTek Inc. draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core Late

R2-2206013 [E033][E034] On the MGE structure Ericsson discussion Rel-17 NG\_RAN\_PRN\_enh-Core

R2-2206015 On [E030] and further concurrent MG aspects Ericsson discussion Rel-17 NR\_MG\_enh-Core

R2-2205377 Resolving FFS on Conditional Presence of GapId Samsung discussion

R2-2205376 [S651] Including one gap without measGapId in concurrent gaps Samsung discussion

R2-2204976 [C101][C100] Consideration on Concurrent Measurement Gaps CATT discussion NR\_MG\_enh-Core

R2-2204823 Discussion on concurrent measurement gaps vivo discussion Rel-17 NR\_MG\_enh-Core

R2-2205227 Discussion on Concurrent MG Xiaomi Communications discussion Rel-17

R2-2206113 [H653] Corrections on associatedMeasGapSSB and associatedMeasGapCSIRS Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3173 F NR\_MG\_enh-Core

#### 6.22.3.3 Network Configured Small Gaps

deriveSSB-IndexFromCellInter

online first

R2-2204545 [Z142] Correction on deriveSSB-IndexFromCellInter field ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core

R2-2205727 [Z142]On relationship between deriveSSB-IndexFromCellInter and deriveSSB-IndexFromCell Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

Misc

Offline

R2-2205692 Discussion on the supported combinations of NCSG and legacy gaps Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2206070 [H804][H805][H806] Corrections on mgta and mgl Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3156 - F NR\_MG\_enh-Core

R2-2206071 [H807] Clarification on ncsgInd Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3157 - F NR\_MG\_enh-Core

### 6.22.4 UE capabilities

Features / UE caps developed in RAN2. Input should not overlap with input to previous subclauses. Note that this AI is complementary to AI 6.0.2. FFSes: FFS whether pre-configured gap should be FR differentiated; FFS whether to have separate bit to indicate support of CA and non-CA case for pre-configured gap; FFS whether to have separate capability bit for UE supporting only two per UE concurrent gap.

Online first

R2-2205728 On MGE UE capabilities left issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

R2-2205379 Resolving FFS on UE capabilities for MGE Samsung discussion

R2-2204825 Discussion on capability for MG enhancement vivo discussion Rel-17 NR\_MG\_enh-Core

R2-2206016 UE capabilities for MGE Ericsson discussion Rel-17 NR\_MG\_enh-Core

R2-2205935 Open issues for MGE Intel Corporation discussion Rel-17 NR\_MG\_enh-Core

R2-2206009 Preconfigured gap capability Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0738 - F NR\_MG\_enh-Core Late

R2-2206010 Preconfigured gap capability Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3150 - F NR\_MG\_enh-Core Late

R2-2206007 Per-UE Concurrent Gaps Capability Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0737 - F NR\_MG\_enh-Core Late

R2-2206008 Per-UE Concurrent Gaps Capability Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3149 - F NR\_MG\_enh-Core Late

R2-2205293 Discussion on UE capability for dynamically reporting the NCSG requirement Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2204824 Discussion on NCSG vivo discussion Rel-17 NR\_MG\_enh-Core

## 6.23 Uplink Data Compression (UDC)

(NR\_UDC-Core; leading WG: RAN2; REL-17; WID: RP-211203)

Tdoc Limitation: 1 tdocs

WI is declared 100% complete.

Treat offline, CB online if needed.

* [AT118-e][038][UDC] UDC Corrections (CATT)

Scope: Treat R2-2204492, R2-2205071, R2-2205719, R2-2206096, R2-2206148, R2-2206149. Ph1 Determine agreeable part, Ph2 for agreeable parts agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1 (if needed CB online W2)

### 6.23.1 Organizational

Rapporteur input, LS etc.

R2-2204492 Reply LS on NR UDC for CU-CP/UP splitting scenario (R3-222724; contact: CATT) RAN3 LS in Rel-17 NR\_UDC-Core To:RAN2 Cc:RAN

### 6.23.2 Corrections

R2-2205071 Discussion on UE capability of buffer size and UE autonomous buffer reset Huawei, HiSilicon discussion Rel-17 NR\_UDC-Core

R2-2205719 Clarification on UDC packet Samsung draftCR Rel-17 38.323 17.0.0 F NR\_UDC-Core

R2-2206096 Correction for NR UDC in 38.331 (CR Rapporteur) CATT CR Rel-17 38.331 17.0.0 3170 F NR\_UDC-Core

R2-2206148 Corrections to UDC Lenovo CR Rel-17 38.323 17.0.0 0094 F NR\_UDC-Core

R2-2206149 Corrections to UDC Lenovo CR Rel-17 38.306 17.0.0 0742 F NR\_UDC-Core

## 6.24 NR R17 Other

Includes items and topics without specific R2 Agenda Item. Includes LS in for R17 items not in a specific R2 Agenda Item.

### 6.24.1 RAN4 led Items

LS in no action

R2-2204432 Reply LS on interruption for PUCCH SCell activation in invalid TA case (R1-2202599; contact: MediaTek) RAN1 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN4 Cc:RAN2

Chair: proposed noted [000]

HST FR1

Online

R2-2204473 LS on release independent for FR1 HST RRM enhancement (R4-2206846; contact: CMCC) RAN4 LS in Rel-17 NR\_HST\_FR1\_enh To:RAN2

R2-2204488 LS on release independent for FR1 HST demodulation (R4-2207195; contact: CMCC) RAN4 LS in Rel-17 NR\_HST\_FR1\_enh To:RAN2

n77 for Canada

offline, CB online W2 if needed

* [AT118-e][039][NR17] n77 Canada (Nokia)

Scope: Treat R2-2204459, R2-2205393, R2-2205394, R2-2205395, R2-2205396, R2-2205450, Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204459 LS On Canada band n77 (R4-2206568; contact: Telus) RAN4 LS in Rel-17 To:RAN2 Cc:RAN

R2-2205393 Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 36.306 17.0.0 1847 - C TEI17

R2-2205394 Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 36.331 17.0.0 4799 - C TEI17

R2-2205395 Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 38.306 17.0.0 0714 - C TEI17

R2-2205396 Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 38.331 17.0.0 3078 - C TEI17

R2-2205450 Discussion on n77 issues Xiaomi Communications discussion Rel-17 TEI17

PUCCH group

offline, CB online W2 if needed

* [AT118-e][040][NR17] PUCCH Group (Huawei)

Scope: Treat R2-2204443, R2-2205980, R2-2205981, R2-2205982, R2-2205983, R2-2204601, R2-2204600

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204443 Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure (R1-2202778; contact: Huawei) RAN1 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN2, RAN4

R2-2205980 Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3143 - B NR\_RRM\_enh2-Core

R2-2205981 Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3144 - A NR\_RRM\_enh2-Core

R2-2205982 Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0730 - B NR\_RRM\_enh2-Core

R2-2205983 Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0731 - A NR\_RRM\_enh2-Core

R2-2204601 Discusson on concept of PUCCH group OPPO discussion Rel-16 NR\_RRM\_enh2-Core R2-2202450

R2-2204600 CR to Clarification of PUCCH group definition OPPO CR Rel-16 38.300 16.8.0 0442 - F NR\_RRM\_enh2-Core

FR2 UL gap

offline, CB online W2 if needed

* [AT118-e][041][NR17] FR2 UL gap (Apple)

Scope: Treat R2-2205666, R2-2204507, R2-2205659, R2-2205667, R2-2205392

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2205666 Summary of [Pre118-e][004][NR17 FR2 UL Gap] 38331 CR and rapporteur resolutions (Apple) Apple discussion Rel-17 NR\_RF\_FR2\_req\_enh2 Late

R2-2204507 LS to RAN2 on UL gap in FR2 RF enhancement (R4-2206608; contact: Apple) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2 Cc:RAN1

R2-2205659 Correction on FR2 UL gap Apple CR Rel-17 38.321 17.0.0 1279 - F NR\_RF\_FR2\_req\_enh2

R2-2205667 Addressing FR2 UL gap RILs [Z151, Z152, A803, A804, A807, A808] Apple CR Rel-17 38.331 17.0.0 3110 - F NR\_RF\_FR2\_req\_enh2 Late

R2-2205392 [N129] Corrections to FR2 UL gaps Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core Late

Chair: General?

FR2 CA BW CBM/IBM

offline, CB online W2 if needed

* [AT118-e][042][NR17] FR2 CA BW Classes and CBM/IBM (Nokia)

Scope: Treat R2-2204854, R2-2205562, R2-2204850, R2-2204851, R2-2204889, R2-2204890

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204854 Reply LS on release independence aspects of newly introduced FR2 CA BW Classes and CBM/IBM UE capability Nokia, Nokia Shanghai Bell LS out Rel-17 NR\_RF\_FR2\_req\_enh2-Core R2-2202377 To:RAN4

R2-2205562 Discussion on FR2 new bandwidth class Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

R2-2204850 Introduction of FR2 FBG2 CA BW classes Nokia, Nokia Shanghai Bell, , Huawei, HiSilicon, Ericsson, ZTE Corporation, Sanechips, Qualcomm, Xiaomi Communications CR Rel-17 38.306 17.0.0 0678 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2203975

R2-2204851 Introduction of FR2 FBG2 CA BW classes Nokia, Nokia Shanghai BellNokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson, ZTE Corporation, Sanechips, Qualcomm, Xiaomi Communications CR Rel-17 38.331 17.0.0 2867 3 B NR\_RF\_FR2\_req\_enh2-Core R2-2203974

R2-2204889 CR on the CBM/IBM reporting-38331 ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 2916 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2204005

R2-2204890 CR on the CBM/IBM reporting-38306 ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0690 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2204006

CRS-IM

offline, CB online W2 if needed

* [AT118-e][043][NR17] CRS interference mitigation (China Telecom)

Scope: Treat R2-2204489, R2-2204980, R2-2204981, R2-2204982, R2-2205388, R2-2205389, R2-2205390, R2-2205391,

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204489 LS on UE capability and network assistant signalling for CRS interference mitigation in scenarios with overlapping spectrum for LTE and NR (R4-2207238; contact: China Telecom) RAN4 LS in Rel-17 NR\_demod\_enh2-Perf To:RAN2

R2-2204980 CR to TS 38.306 on UE capability for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0706 - B NR\_demod\_enh2-Core

R2-2204981 CR to TS 38.331 on UE capability for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3020 - B NR\_demod\_enh2-Core

R2-2204982 CR to TS 38.331 on Network assistant signalling for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3021 - B NR\_demod\_enh2-Core

R2-2205388 Introduction of network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_demod\_enh2-Core

R2-2205389 Introduction of network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3077 - B NR\_demod\_enh2-Core

R2-2205390 UE capabilities for network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell draftCR Rel-17 38.306 17.0.0 B NR\_demod\_enh2-Core

R2-2205391 UE capabilities for network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 B NR\_demod\_enh2-Core

Dual PA

offline, CB online W2 if needed

* [AT118-e][044][NR17] Dual PA (OPPO)

Scope: Treat R2-2204501, R2-2204629, R2-2204630, R2-2204631, R2-2205380, R2-2205381, R2-2205382, R2-2205383, R2-2205384, R2-2205516, R2-2205514, R2-2205515

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204501 LS on clarification of dualPA-Architecture capability (R4-2206503; contact: OPPO) RAN4 LS in Rel-17 NR\_RF\_FR1\_enh To:RAN2

R2-2204629 Discussion on R4 LS on dual-PA architecture clarification OPPO discussion Rel-17 NR\_RF\_FR1\_enh

R2-2204630 Extension of dual-PA architecture capability OPPO CR Rel-17 38.306 17.0.0 0700 - A NR\_RF\_FR1\_enh

R2-2204631 Extension of dual-PA architecture capability OPPO CR Rel-16 38.306 16.8.0 0701 - F NR\_RF\_FR1\_enh

R2-2205380 Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR1\_enh-Core

R2-2205381 Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.8.0 0712 - F NR\_RF\_FR1\_enh-Core

R2-2205382 Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0713 - A NR\_RF\_FR1\_enh-Core

R2-2205383 Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.8.0 3074 - F NR\_RF\_FR1\_enh-Core

R2-2205384 Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3075 - A NR\_RF\_FR1\_enh-Core

R2-2205516 Discussion on dualPA-Architecture capability Huawei, HiSilicon discussion Rel-16 NR\_RF\_FR1-Core

R2-2205514 Clarification on DC location reporting for dual PA UE Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3095 - F NR\_RF\_FR1-Core

R2-2205515 Clarification on DC location reporting for dual PA UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3096 - A NR\_RF\_FR1-Core

DC location report

offline, CB online W2 if needed

* [AT118-e][045][NR17] DC Location Report (Qualcomm)

Scope: Treat R2-2204506, R2-2205266, R2-2205386, R2-2205387, R2-2205735, R2-2205517, R2-2205518,

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204506 Reply LS on DC location for >2CC (R4-2206602; contact: Qualcomm) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2

R2-2205266 Further discussion on DC location reporting for more than 2 CCs Qualcomm Incorporated discussion NR\_RF\_FR2\_req\_enh2-Core

R2-2205386 DC location reporting for Rel-17 Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

R2-2205387 Introduction of Rel-17 DC location reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3076 - B NR\_RF\_FR2\_req\_enh2-Core

R2-2205735 Introduction of Rel-17 DC location reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0725 - B NR\_RF\_FR2\_req\_enh2-Core

R2-2205517 Discussion on the DC location report for more than 2CCs Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

R2-2205518 Introduction of DC location reporting for more than 2CCs Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3097 - B NR\_RF\_FR2\_req\_enh2-Core

* [AT118-e][046][NR17] n77 and DSS (Ericsson)

Scope: Treat R2-2205871 - R2-2205875, R2-2205511.

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

n77

Corrections

R2-2205870 Terminology for n77 extension Ericsson CR Rel-16 36.306 16.8.0 1848 - F TEI17

R2-2205871 Terminology for n77 extension Ericsson CR Rel-17 36.306 17.0.0 1849 - A TEI17

R2-2205872 Terminology for n77 extension Ericsson CR Rel-16 36.331 16.8.0 4811 - F TEI17

R2-2205873 Terminology for n77 extension Ericsson CR Rel-17 36.331 17.0.0 4812 - A TEI17

R2-2205874 Terminology for n77 extension Ericsson CR Rel-16 38.306 16.8.0 0726 - F TEI17

R2-2205875 Terminology for n77 extension Ericsson CR Rel-17 38.306 17.0.0 0727 - A TEI17

### 6.24.2 RAN1 led Items

R2-2205511 Editorial correction for NR dynamic spectrum sharing Ericsson CR Rel-17 38.331 17.0.0 3094 - F NR\_DSS\_enh

### 6.24.3 Other

MINT

offline, CB online W2 if needed

* [AT118-e][047][NR17] MINT (Ericsson)

Scope: Treat R2-2204510, R2-2204527, R2-2204529, R2-2205869, R2-2205520, R2-2205618, R2-2205867, R2-2205868, R2-2205992, R2-2205993, R2-2206049, R2-2206050. Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2204510 LS on system information extensions for minimization of service interruption (MINT) (C1-223219; contact: Ericsson) CT1 LS in Rel-17 MINT To:RAN2 Cc:SA2

R2-2204527 Reply LS on Reply LS on MINT functionality for Disaster Roaming (S3-220518; contact: LGE) SA3 LS in Rel-17 MINT To:SA2 Cc:SA5, CT1, CT4, CT6, RAN2, SA, CT, RAN

R2-2204529 LS on MINT functionality for Disaster Roaming (S5-222575; contact: Ericsson) SA5 LS in Rel-17 MINT To:SA2 Cc:SA, SA3, CT, CT1, CT4, CT6, RAN, RAN2

R2-2205869 Remaining issues for MINT Ericsson discussion Rel-17

R2-2205520 Discussion on supporting case A from CT1 on MINT Huawei, HiSilicon discussion Rel-17 MINT

R2-2205618 TP to resolve TBD on oneBitApproach for MINT LG Electronics France discussion

R2-2205867 Introducing single-bit approach for MINT [MINT] Ericsson CR Rel-17 36.331 17.0.0 4810 - B TEI17

R2-2205868 Introducing single-bit approach for MINT [MINT] Ericsson CR Rel-17 38.331 17.0.0 3122 - B TEI17

R2-2205992 Support of of case A from CT1 on MINT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3147 - F MINT

R2-2205993 Support of of case A from CT1 on MINT Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4815 - F MINT

R2-2206049 Corrections to MINT specification [MINT] Lenovo draftCR Rel-17 38.331 17.0.0 F TEI17

R2-2206050 Corrections to MINT specification [MINT] Lenovo draftCR Rel-17 36.331 17.0.0 F TEI17

# 7 Rel-17 EUTRA Work Items

## 7.0 EUTRA Rel-17 General

Tdoc Limitation: 10 tdocs

No documents should be submitted to 7.0. Please submit to 7.0.x

### 7.0.1 ASN.1 review

This agenda item may use a summary document (decision made based on ASN.1 ad-hoc meeting outcome, submitted review issues and submitted contributions).

Including ASN.1 review issues not handled during April ASN.1 ad-hoc meeting. Documents that relate to ASN.1 review should indicate the RIL number in the document title.

R2-2205208 Corrections on the general ASN.1 issues Samsung CR Rel-17 36.331 17.0.0 4794 - F TEI17 Late

R2-2205209 LTE Rel-17 ASN.1 Review, Class 0 issues Samsung discussion TEI17 Late

R2-2205210 LTE Rel-17 RIL List Samsung discussion TEI17 Late

R2-2205866 E806 - Avoiding SIB30, SIB31, and SIB32 in the old SI-scheduling list Ericsson discussion Rel-17

### 7.0.2 L1 parameters and cross-WI RRC aspects

Including RRC details on L1 parameters for Rel-17 WIs that require discussion in the common session or are related to multiple Rel-17 WIs.

R2-2204426 LS on updated Rel-17 RAN1 UE features list for LTE (R1-2202924; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NR\_SL\_enh, NB\_IOTenh4\_LTE\_eMTC6, LTE\_terr\_bcast\_bands\_part1, LTE\_NBIOT\_eMTC\_NTN To:RAN2, RAN4

### 7.0.3 Feature Lists and UE capabilities

Including essential corrections to Rel-17 UE capabilities or additions based on new inputs from RAN1/4 that are not covered by other WIs or require discussion in the common session due to affecting multiple Rel-17 LTE WIs.

## 7.1 NB-IoT and eMTC enhancements

(NB\_IOTenh4\_LTE\_eMTC6-Core; leading WG: RAN1; REL-17; WID: RP-211340)

### 7.1.1 Organizational

LS in

CR Rapporteurs to provide baseline correction CRs, if needed. For smaller corrections, text clarifications etc please contact CR editor.

R2-2204421 LS on use of CQI table for NB-IoT DL 16QAM (R1-2202880; contact: Huawei) RAN1 LS in Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core To:RAN2 Cc:RAN4

R2-2204423 LS on UE capability for 16QAM for NB-IoT (R1-2202893; contact: Qualcomm) RAN1 LS in Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core To:RAN4 Cc:RAN2

R2-2205564 Corrections based on ASN.1 review of R17 NB-IoT/eMTC Enhancements Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4803 - F NB\_IOTenh4\_LTE\_eMTC6-Core Late

R2-2205565 Report of ASN.1 R17 Review for NB-IoT/eMTC enhancements Qualcomm Incorporated discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core Late

### 7.1.2 Corrections

R2-2205149 Clarification on NPUSCH repetition number for PUR with 16QAM ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4788 - F NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2205162 RILZ312, Z313, Z316, Z317, Z318 CEL-based paging ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4789 - F NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2205323 RIL H101 : Coverage based paging Huawei, HiSilicon discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2205324 Correction to coverage based paging Huawei, HiSilicon draftCR Rel-17 36.304 17.0.0 F NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2205878 RILZ312, Z313, Z316 CEL-based paging ZTE Corporation, Sanechips CR Rel-17 36.304 17.0.0 0848 - F NB\_IOTenh4\_LTE\_eMTC6-Core

R2-2206039 RIL H112 (new): 16 QAM DL configuration Huawei, HiSilicon discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core

### 7.1.3 Other

## 7.2 NB-IoT and eMTC support for NTN

(LTE\_NBIOT\_eMTC\_NTN; leading WG: RAN1; REL-17; WID: RP‑211601)

Time budget: 0.5 TU

Tdoc Limitation: 6 tdocs

Exception Sheet in RP-220943

### 7.2.1 General

#### 7.2.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

R2-2204428 LS on IoT-NTN TP for TS 36.300 (R1-2202931; contact: MediaTek) RAN1 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN To:RAN2

R2-2204437 LS Response to LS on UE providing Location Information for NB-IoT (S2-2201333; contact: Qualcomm) SA2 LS in Rel-17 5GSAT\_ARCH To:RAN2 Cc:RAN3, CT1, SA3, SA3-LI

R2-2204451 Reply LS on UE providing Location Information for NB-IoT (C1-222100; contact: Apple) CT1 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN2, RAN3, SA2 Cc:SA3, SA3-Li

R2-2204495 Reply LS on UE providing Location Information for NB-IoT (R3-222858; contact: Ericsson) RAN3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN\_req To:RAN2, SA2 Cc:CT1, SA3, SA3-LI

R2-2204458 Reply LS on security concerns for UE providing Location Information for NB-IoT (S3-220544; contact: Xiaomi) SA3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN2 Cc:SA3-LI, RAN3, SA2, CT1

R2-2204509 Emergency services and UE rejected with "PLMN not allowed to operate in the country of the UE’s location" (C1-223045; contact: OPPO) CT1 LS in Rel-17 5GSAT\_ARCH-CT To:SA1, RAN2 Cc:SA2, SA3LI

R2-2204518 Reply LS on opens issues for NB-IoT and eMTC support for NTN (S2-2203064; contact: Qualcomm) SA2 LS in Rel-17 IoT\_SAT\_ARCH\_EPS, LTE\_NBIOT\_eMTC\_NTN\_req To:RAN3 Cc:RAN2

R2-2204457 Reply LS on opens issues for NB-IoT and eMTC support for NTN (S3-220543; contact: Xiaomi) SA3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN3 Cc:SA2, RAN2

#### 7.2.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

RRC

online first

R2-2205326 Report of [Pre118-e][012][IoT-NTN] 36331 CR and rapporteur resolutions (Huawei) Huawei, HiSilicon report Rel-17 LTE\_NBIOT\_eMTC\_NTN Late

R2-2205327 List of RRC Editor's Notes and proposed handling Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN Late

R2-2205325 Corrections to support of Non-Terrestrial Network in NB-IoT and eMTC Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4798 - F LTE\_NBIOT\_eMTC\_NTN Late

R2-2206089 IOT NTN ASN1 RIL List Huawei, HiSilicon report Rel-17 LTE\_NBIOT\_eMTC\_NTN

Stage-2

R2-2205864 IoT NTN Stage 2 corrections Ericsson, Eutelsat draftCR Rel-17 36.300 17.0.0 LTE\_NBIOT\_eMTC\_NTN Late

### 7.2.2 Open Issues

Open issues from exception Sheet in RP 220943:

Prediction of discontinuous coverage: Address the FFS regarding signalled ephemeris type (FFS if two, three of four types and the details on semantics); Address the FFS whether epoch time could be optional and be implicitly derived when not provided; Address the FFS whether in addition to BCCH provide the option to share the information by dedicated RRC signalling; Address the FFS whether anything need to be specified for AS-NAS interaction while the UE is out of coverage.

If time allows, address the open issue on an additional parameter for further enhanced spatial coverage prediction (like satellite footprint reference point on ground, satellite coverage radius); Parameters for prediction of discontinuous coverage and handling of the new SIB;

GNSS Position Validity: Address Signalling details including value range of GNSS position validity remaining time for reporting to the network;

Location Reporting: Address the FFS on UE location information reporting

Discontinuous coverage

Online first

General

R2-2205933 Email Discussion Report [Post117-e][906][IoT-NTN] Non-Continuous Converge Mediatek India Technology Pvt. Report

R2-2205860 Open issues on discontinuous coverage Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

R2-2205723 On discontinuous coverage and GNSS position validity Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205033 Discussion on open issues for support of Non continuous coverage CMCC discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2204593 Discussion on the Open issues for IoT over NTN Transsion Holdings discussion Rel-17

Enhanced spatial coverage prediction

R2-2204653 Beam information for the discontinuous coverage prediction Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN

R2-2205373 Remaining issues on discontinuous coverage Xiaomi discussion

R2-2204753 Discussion on the remaining issue of enhanced spatial coverage prediction Spreadtrum Communications discussion Rel-17

R2-2204965 Further consideration on additional satellite assistance for discontinuous coverage. Lenovo discussion Rel-17

Epoch time

R2-2204710 [O308][O310] Discussion on the system information for discontinuous coverage in IoT-NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

ASNAS interaction

R2-2204751 Discussion on AS-NAS interaction while the UE is out of coverage Spreadtrum Communications discussion Rel-17

CR proposals

R2-2206115 ASN.1 proposal for satellite assistance information for prediction of discontinuous coverage GateHouse, Sateliot discussion

=> Revised in R2-2206160

R2-2206160 ASN.1 proposal for satellite assistance information for prediction of discontinuous coverage GateHouse, Sateliot, MediaTek discussion

R2-2205598 Assistance Information for Predicting the Discontinuous Coverage Google Inc. discussion Rel-17

R2-2205238 [C503] Correction on ephemerisOrbitalParameters of SatelliteInfor in 36.331 CATT discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

GNSS Validity duration report

Online first

R2-2205153 FFS on provision of remaining GNSS duration ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

R2-2205761 Details of GNSS position validity report for NB-IoT NEC Telecom MODUS Ltd. Discussion

R2-2204727 Discussion on the signaling for reporting remaining GNSS validity duration OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2204752 Discussion on the remaining issue of GNSS Position Validity Spreadtrum Communications discussion Rel-17

R2-2205031 Details on GNSS Validity duration reporting CMCC discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205399 Discussion on the signaling of GNSS validity duration Xiaomi discussion Rel-17

R2-2204655 Reporting remaining GNSS position validity duration Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN R2-2202560

CR proposals

R2-2205400 FFS issues related to GNSS outdate indication Xiaomi discussion Rel-17

Location report

Online first – if time

R2-2205398 Discussion on location report for IOT NTN Xiaomi discussion Rel-17

R2-2205600 On remaining issues for Location Reporting Nokia, Nokia Shanghai Bells discussion Rel-17

General

R2-2205862 Other control plane open issues Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

New issues

Offline first

* [AT118-e][048][IOT NTN] New Issues (OPPO)

Scope: Treat R2-2204740, R2-2205725, R2-2204741.

Ph1 determine agreeable part, Ph2 endorse TP

Intended outcome: Report, Endorsed TP (if applicable)

Deadline: Schedule 1

MAC Msg3 repetitions

R2-2204740 Discussion on mac-ContentionResolutionTimer in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205725 Alignment with NR NTN for Msg3 blind retransmission Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

TA report

R2-2204741 Discussion on TA report in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

### 7.2.3 Corrections

#### 7.2.3.1 User Plane

Impacts to 36.321, 36.322, 36.323, 37.324

Offline

* [AT118-e][049][IoTNTN] User Plane (Interdigital)

Scope: Treat R2-2205161, R2-2205328, R2-2205724, R2-2205959, R2-2205996

Ph1 Determine agreeable parts, for Agreeable parts endorse TP/Draft CR.

Intended outcome: Report, Endorsed TP(s).

Deadline: Schedule 1

R2-2205161 Correction on sr-ProhibitTimerExt for IoT NTN ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

R2-2205328 Correction on 36.321 Huawei, HiSilicon draftCR Rel-17 36.321 17.0.0 LTE\_NBIOT\_eMTC\_NTN

R2-2205724 36.321 corrections for IoT NTN Nokia, Nokia Shanghai Bell CR Rel-17 36.321 17.0.0 1538 - F LTE\_NBIOT\_eMTC\_NTN

R2-2205959 TA Reporting during Random Access InterDigital discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205996 IoT NTN Uplink synchronisation and UE-eNB RTT modelling Ericsson discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

#### 7.2.3.2 RRC

Impacts to 36.331

Online first – if time

SIB31

R2-2204712 [O300][O301][O302][O303][O304][O306][O307][O311][O312][O313] Correction on the handing of SIB31 OPPO draftCR Rel-17 36.331 17.0.0 F LTE\_NBIOT\_eMTC\_NTN

R2-2205140 FFS and RILO301 etc for SIB31 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

R2-2205145 FFS and RILO305, X501 etc for dedicatedSIB31 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

R2-2205595 IoT-NTN System Information Validity Interdigital, Inc. discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

SIB32

R2-2205143 FFS and RILZ302, H000, O302 etc for SIB32 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

Miscellanous

Offline

* [AT118-e][050][IoTNTN] Miscellaneous (ZTE)

Scope: Treat R2-2205146, R2-2205330, R2-2205830, R2-2204652, R2-2205329, R2-2204654,

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

R2-2205146 RILZ303 Reference to GNSS validation check ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4787 - F LTE\_NBIOT\_eMTC\_NTN-Core

R2-2205330 RIL H012, H013, H016, H017 : Signalling of NTN specific configuration parameters Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205830 Clarification on System Information acquistion and GNSS Fix related actions for IoT-NTN Nokia Solutions & Networks (I) CR Rel-17 36.331 17.0.0 4807 - F LTE\_NBIOT\_eMTC\_NTN-Core

R2-2204652 Clarification on GNSS fix Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4786 - F FS\_LTE\_NBIOT\_eMTC\_NTN

R2-2205329 Adressing RRC Editor’s notes Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2204654 RRC reestablishment between TN and NTN for NB-IoT Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN

#### 7.2.3.3 Idle Inactive mode

Impacts to 36.304

Offline

* [AT118-e][051][IoT NTN] Idle Inactive Mode (Ericsson)

Scope: Treat R2-2204711, R2-2205250, R2-2205331, R2-2205861, R2-2204651

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

R2-2204711 Correction on Measurement rules for cell re-selection in IoT-NTN OPPO CR Rel-17 36.304 17.0.0 0846 - F LTE\_NBIOT\_eMTC\_NTN

R2-2205250 36.304 R17 editorial corrections Nokia, Nokia Shanghai Bell CR Rel-17 36.304 17.0.0 0847 - F LTE\_NBIOT\_eMTC\_NTN-Core, TEI17

R2-2205331 Adressing 36.304 Editor’s notes Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205861 IoT NTN idle mode issues Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

R2-2204651 Clarification on TN NTN barring Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4785 - F FS\_LTE\_NBIOT\_eMTC\_NTN

### 7.2.4 UE capabilities

Online first

R2-2205863 On IoT NTN UE capabilities Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

R2-2205601 On Capability Indication of existing IoT-Features for NTN connectivity Nokia, Nokia Shanghai Bells discussion Rel-17

R2-2205332 Discussion on UE capabilities Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2205333 TN-NTN differentiation for NB-IoT Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

R2-2204650 NTN UE capability signaling for eMTC and NB-IoT Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4784 - F FS\_LTE\_NBIOT\_eMTC\_NTN

R2-2205374 Remaining issues on UE capability Xiaomi discussion

R2-2205594 IoT-NTN-only UE Interdigital, Inc. discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

### 7.2.5 Other

## 7.3 EUTRA R17 Other

(Documents relating to Rel-17 LTE but for which there is no existing RAN WI/SI, e.g. LSs from CT/SA requesting RAN2 action)

Including essential corrections to LTE TEI17 and other LTE Rel-17 WIs not covered by other agenda items. Proposals that do not provide Stage-3 details will not be treated.

Documents that relate to ASN.1 review should indicate the RIL number in the document title.

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

R2-2204467 LS on updates to 36.300 from LTE\_terr\_bcast\_bands\_part1 (R1-2202825; contact: Qualcomm) RAN1 LS in Rel-17 LTE\_terr\_bcast\_bands\_part1-Core To:RAN2

Comment: Already Covered last meeting

## 7.4 User Plane Integrity Protection support for EPC connected architectures

(UPIP\_EN-DC\_UE; leading WG: RAN3; REL-17; WID: RP‑213669)

WI has been declared 100% complete.

Including essential corrections to User Plane Integrity Protection support for EPC connected architectures. Proposals that do not provide Stage-3 details will not be treated.

R2-2204490 Reply LS on User Plane Integrity Protection for eUTRA connected to EPC (R3-222610; contact: Qualcomm) RAN3 LS in Rel-17 UPIP\_SEC\_LTE-RAN-Core To:SA3 Cc:RAN2, CT1, CT4, SA2

## 7.5 NR and EUTRA Inclusive language

Time budget: N/A

Final inclusive language CRs for RAN2 specifications were approved in RAN#95e.

RAN coordinator for inclusive language is Gino Masini (Ericsson).

This agenda item will not be treated in this meeting unless urgent actions are needed for RAN#96.

# 8Breakout session reports

No documents shall be submitted to this AI or its sub-AIs. It is only for at-meeting-generated contents.

Breakout session reports will be approved by email.

## 8.1 Session on LTE legacy, Mobility, DCCA, Multi-SIM and RAN slicing

R2-2206151 Report on LTE legacy, DCCA, Multi-SIM, 71GHz and RAN slicing Vice Chairman (Nokia) Report

## 8.2 Session on R17 NTN and RedCap

R2-2206152 Report from Break-out session on R17 NTN, REDCAP and CE Vice Chairman (ZTE) Report

## 8.3 Session on eMTC

R2-2206153 Report eMTC breakout session Session chair (Ericsson) Report

## 8.4 Session on R17 Small data and URLLC/IIOT

R2-2206154 Report for Rel-17 Small data and URLLC/IIoT Session chair (InterDigital) Report

## 8.5 Session on positioning and sidelink relay

R2-2206155 Report from session on positioning and sidelink relay Session chair (MediaTek) Report

## 8.6 Session on SON/MDT

R2-2206156 Report from SON/MDT session Session chair (CMCC) Report

## 8.7 Session on NB-IoT

R2-2206157 Report NB-IoT breakout session Session chair (InterDigital) Report

## 8.8 Session on LTE V2X and NR SL

R2-2206158 Report from session on LTE V2X and NR SL Session chair (Samsung) Report