**Email discussions after RAN2#115-e**

# Guidelines for email discussions:

**General guidelines for email discussions, to be concluded approved endorsed at current meeting (short).**

1. Aim to have the final version of the agreed documents provided by the rapporteur at or shortly after the deadline.
2. Please provide comments on the first version of the document in good time before the deadline. This allows the rapporteur to make an update addressing all companies' comments and there still be time for a quick round of comments on the update.
3. If you have provided comments in the discussion then please indicate to the rapporteur if you are ok with the update provided (preferably via reflector). This avoids the rapporteur having to wait before they can conclude that their update is acceptable to you.
4. Rapporteurs, if not already available, please request your tdoc number from Juha when you initiate your email discussion and then provide the final version as soon as you are confident that it is agreeable. You do not need to wait for a reminder from chairman, session chair or Juha before sending the final version.
5. To avoid any confusion, Secretary, chairman, or session chair will send an email to confirm the final status of the document.

**For emails discussion to the next meeting (long):**

1. Rapporteurs, feel free to set an intermediate deadline for companies to provide initial comments, so that the conclusions and proposals can be prepared and distributed before the final deadline.
2. Participants, please respect any intermediate deadline indicated by the rapporteur, and preferably provide your feedback as soon as possible.

# Inactive periods

Please see TSG RAN schedule, June version in RP-211582 indicate periods Sept 20-24, Oct 1-8.

As usual it is recommended to not send emails or update files on the server during the silent period. It is not strictly prohibited. However, no intermediate deadlines, no discussion phasing, no rapporteur conclusion / direction proposals may occur during the silent period. A delegate must be able to stay away from reflector and 3GPP server during the inactive period, and still be able to fully participate in the email discussion.

# Short email discussions after R2-115-e, Deadline Friday September 3rd 1000 UTC (if not otherwise stated)

**Please request TDoc numbers the following email discussions from MCC if not already allocated**

Approval will be declared at or shortly after the deadline.

NOTE THAT THE COMMON DEADLINE IS A DEADLINE FOR THE EMAIL DISCUSSION TO BE FINISHED. INTEMEDIATE DEADLINES BY RAPPORTEUR, IF NEEDED

* [Post115-e][000] (Chairman)

Scope: Email approval of Session Reports. Any issue from R2-115-e for which corrective action may be needed can be raised. Misc planning (e.g. Post email discussions)

Expected Outcome: Updates to chair notes if needed, Approved Session Reports, updated email discussions list, updated plan for next R2.

CLOSED

Short (One week) = Deadline Sept 3 1000 UTC

* [Post115-e][030][NR16] Reply LS on RRM relaxation in power saving (CATT, Ericsson)

Scope: Reply LS acc to agreements and discussion, see [AT115-e][030]

Intended outcome: Approved LS out

Deadline: Short (not for RP)

CLOSED

* [Post115-e][051][feMIMO] LS out (Nokia)

Scope: Finalize LS out to R1, according to at meeting discussions.

Intended outcome: Approved LS out

Deadline: Short (not for RP)

CLOSED

* [Post115-e][060][NR15] Support of 100M bandwidth for band n40 (Huawei)

Scope: CR covering P1 in R2-2108578, as discussed in [AT115-e][016]

Intended outcome: Agreed CR(s)

Deadline: Short (for RP)

CLOSED

* [Post115-e][061][NR15] Cell barring due to SIB1 acquisition failure (Lenovo)

Scope: CR(s) based on R2-2108481, related agreements and comments.

Intended outcome: Agreed CRs

Deadline: Short (for RP)

CLOSED

* [Post115-e][062][NR15 NR16] RRC Misc corrections (Ericsson)

Scope: Revision of R2-2108291, R2-2108291, R15 and R16 RRC Rapporteur CRs, including merged parts from all applicable discussions.

Intended outcome: Agreed CRs

Deadline: Short (for RP)

CLOSED

* [Post115-e][063][NR16] SCG failure information (Huawei)

Scope: CRs for failure type in SCG failure information NR

Intended outcome: Agreed CRs

Deadline: Short (for RP)

CLOSED

* [Post115-e][064][NR16] FR1FR2 differentiation for enhanced UL grant skipping capabilities (Qualcomm)

Scope: CR based on option A in R2-2108651.

Intended outcome: Agreed CR

Deadline: Short (for RP)

CLOSED

* [Post115-e][065][MBS] LS outs (Xiaomi, Huawei)

Scope: a) LS out to SA3 to check whether the MBS interest information can be reported by the UE before security activation. b) LS out to SA2, SA4 and RAN3 to check with all of them whether an ID (e.g. SAI) of MBS services can be provided in SIB and USD, as LTE SC-PTM, and to check with SA2 and SA4 whether the mapping between frequency and MBS service ID (e.g. SAI) is provided in the upper layer signalling (e.g. USD), as LTE SC-PTM, and consult with SA2 on whether TMGI is sufficient for MBS session identification or some additional parameter is required (such as sessionID in LTE).

Intended outcome: Approved LSes x 2

Deadline: Short (not for RP)

CLOSED

* [Post115-e][066][eIAB] Reply LS to R3 (Huawei)

Scope: Inform on the agreement that “For inter-donor-DU re-routing, support the “previous routing ID to new routing ID” BAP header rewriting.”

Intended outcome: Approved LS out

Deadline: Short (not for RP)

CLOSED

* [Post115-e][067][ePowSav] LS out (MediaTek)

Scope: LS out to inform about progress to other concerned groups and ask the relevant groups to take this into account and align.

Intended outcome: Approved LS out

Deadline: Short (not for RP)

CLOSED

* [Post115-e][068][IoT-NTN] LS on RRM impacts for supporting CHO (Ericsson)

Scope: Address the agreement above to Send an LS to RAN4 to inform that RRM impacts for supporting CHO should be taken into consideration.

Intended outcome: Approved LS out

Deadline: Short (not for RP)

CLOSED

* [Post115-e][102][NTN] Reply LS on UE location aspects (Huawei)

Scope: check whether we need to update the answer to Q1 in R2-2108886 based on meeting agreements on the possible use of UE location information

Intended outcome: reply LS to SA3 in R2-2109217

Deadline: short (not for RP)

CLOSED

* [Post115-e][112][NTN] LS to RAN4 on SMTC (CMCC)

Scope: Draft an LS to RAN4 to indicate RAN2 agreement on the maximum number of SMTC and ask for confirmation

Intended outcome: LS to RAN4 in R2-2109219

Deadline: short (not for RP)

CLOSED

* [Post115-e][235][MUSIM] LS to RAN4 on gap handling for MUSIM (vivo)

Scope: Draft LS to RAN4 (CC:RAN) on gap handling and request feedback on RAN2 agreements. Can ask about gap cycle and duration for all gap types and whether these have impact to RAN4.

Intended outcome: approved LS (in R2-2108861)

Deadline: Short (not for RP)

CLOSED

* [Post115-e][612][Relay] LS to SA3 on UE ID in adaptation layer (OPPO)

      Scope: Draft an LS to SA3 informing them of our agreements on the local UE ID in the adaptation layer.

      Intended outcome: Approved LS

      Deadline:  Short (not for RP)

CLOSED

* [Post115-e][613][POS] Check CR in R2-2108954 (Ericsson)

      Scope: Check the updated CR in R2-2108954 and confirm if it is agreeable in this form.

      Intended outcome: Agreed CR

      Deadline:  Short (for RP)

CLOSED

* [Post115-e][717][V2X/SL] Revision of CR in R2-2107302 (Sharp)

**Scope:** Revise CR in R2-2107302 (with changing the wording and adding impact analysis).

**Intended outcome:** Agreeable CR in R2-2109001. Will be approved by email.

**Deadline:** Short email discussion (for RP)

CLOSED

Short 2 (Two weeks) = Deadline Sept 9

* [Post115-e][035][NR17] TX switching (China Telecom)

Scope: Finalize checking of Running CRs 38331 38306

Intended outcome: Endorsed Running CRs.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][069][MBS] 38300 Running CR (CMCC)

Scope: Update the Stage-2 running CR. Capture R2 115-e agreements.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][070][MBS] 38331 running CR (Huawei)

Scope: Update the RRC running CR. Capture the applicable R2 115-e agreements. Points that cannot be agreed within this time-frame can be captured in Editor’s notes.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][071][MBS] 38321 running CR (OPPO)

Scope: Create a first MAC running CR. Capture the applicable R2 115-e agreements. Points that cannot be agreed within this time-frame can be captured in Editor’s notes (maybe most points)

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][072][MBS] 38304 running CR (CATT)

Scope: Create a first 38304 running CR. Capture the applicable R2 115-e agreements. Points that cannot be agreed within this time-frame can be captured in Editor’s notes.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][073][eIAB] 38300 Running CR (QC)

Scope: Stage-2 38300 running CR. Capture agreements.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][074][eIAB] 37340 Running CR (vivo)

Scope: Stage-2 37340 running CR. Identify Impact. Capture agreements and/or introduce editor’s notes.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][075][eIAB] RRC Running CR (Ericsson)

Scope: RRC running CR(s). Identify Impact. Capture agreements and/or introduce editor’s notes. Suggest in this first round to focus on NR RRC.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][076][eIAB] BAP Running CR (Huawei)

Scope: 38340 running CR. Identify Impact. Capture agreements and/or introduce editor’s notes.

Intended outcome: Endorsed CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][077][ePowSav] Stage-2 Running CR (Huawei)

Scope: Capture message sequence chart, agreements and editors notes. For this discussion do not need to discuss what shall be captured in RAN stage-2 vs System Stage-2 (may move some part to SA2 / System stage-2 later if needed).

Intended outcome: Endorsed Draft CR

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][078][QoE] RRC running CR (Ericsson)

Scope: Progress the 38331 running CR. Update with agreements. Use Editors notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][079][QoE] Stage-2 running CR (Huawei, China Unicom)

Scope: Progress the 38300 running CR. Update with agreements. Use Editors notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][080][eNPN] Stage-2 running CR (Nokia)

Scope: Progress the 38300 running CR. Update with agreements. Use Editors notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][081][eNPN] 38304 running CR (QC)

Scope: 38304 running CR. Identify impact and capture agreements. Use Editors notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][082][eNPN] 38331 RRC running CR (Nokia)

Scope: 38331 running CR. Identify impact and capture agreements. Use Editors notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][083][IoT-NTN] Stage-2 36300 Running CR (Eutelsat)

Scope: Running CR. Identify impact. Capture agreements. Use editor’s notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][084][IoT-NTN] MAC 36321 Running CR (MediaTek)

Scope: Running CR. Identify impact. Capture agreements. Use editor’s notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][085][IoT-NTN] 36304 Running CR (Ericsson)

Scope: Running CR. Identify impact. Capture agreements. Use editor’s notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][086][IoT-NTN] RRC 36331 Running CR (Huawei)

Scope: Running CR. Identify impact. Capture agreements. Use editor’s notes where appropriate.

Intended outcome: Endorsed draft CR.

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][241][Slicing] Slice list and priority information for cell reselection (Lenovo)

Scope: Ask SA2/CT1/SA1 if it is alright for AS to expect to receive slice list as well as slice priority information from NAS for cell (re)selection. Ask about both slices and slice groups and explain what "slice list" is.

Intended outcome: approved LS

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][306][NBIOT/eMTC R17] Update agreements document (Ericsson)

Scope: Update the agreements document

Intended outcome: endorsed report in R2-2108974

Deadline: Short 2 (not for RP)

CLOSED

* [Post115-e][601][Relay] Relaying CR to 38.300 (MediaTek)

      Scope: Update the CR with decisions of this meeting.

      Intended outcome: Endorsed CR

      Deadline:  Short 2 (not for RP)

CLOSED

* [Post115-e][711][V2X/SL] 38.300 running CR (InterDigital)

**Scope:** Update the endorsed draft CR in R2-2108981 with the agreements made this meeting.

**Intended outcome:** 38.300 running CR to be endorsed.

**Deadline:** Short 2 (not for RP)

CLOSED

# Long email discussions after R2-115-e, Deadline: October 21th, 0900 UTC

**Please request TDoc numbers by 3GU for the next meeting for the following email discussions**

* [Post115-e][054][NR15] Common Fields Dedicated Signalling (Ericsson)

Scope: Continue discussion from baseline at R2 115-e.   
1) to address specific issues, such as SUL/IAB.

2) to find an agreeable description of the desired behaviour, e.g. a generic statement such as: “Fields that are dedicated configurations should be subject to UE capability check (regardless IE name). Fields that are cell specific configurations, but also distributed in dedicated signalling does not need to be subject to UE capability check”; OR e.g. a list of fields and how each should be handled, OR both/combination.

Intended outcome: Report

Deadline: Long

* [Post115-e][087][NR15] Simultaneous Rx/Tx cap finer granularity (NTT DOCOMO)

Scope: Aim to conclude in Q4. Progress based on R2-2107389. Consider also using the selectedBandEntriesMNList field to check the per-band-pair simultaneous Rx/Tx capability in NR-DC, (NG)EN-DC, and NE-DC. Consider also Inter-Node Coordination. If needed, can also disucss the scope in the beginning of the email discussion.

Intended outcome: Report, CRs Agreeable to the extent possible / reasonable.

Deadline: Long

* [Post115-e][088][eIAB] inter-CU routing open issues (Huawei)

Scope: Address the listed open points for inter-CU routing:

- What’s the BAP address added in BAP header in the first topology (i.e. the BAP address of ingress data at the boundary node);

- How to differentiate the concatenated traffic and non-concatenated traffic;

- How to determine whether a data should be delivered to upper layer (for downstream);

- How to determine whether the BAP header of a data should be rewritten (i.e. whether being routed to another topology or its own topology).

Intended outcome: Report

Deadline: Long

* [Post115-e][089][ePowSav] Paging Subgrouping (Xiaomi)

Scope: Objective to continue work based on existing agreements. Further progress the roles of AMF gNB UE and potential impact to stage-2. Take RAN1 agreements into account. Progress how CN subgrouping and UE ID subgrouping relates to L1 and the control of this.

Intended outcome: Report to pave the way for progress

Deadline: Long

* [Post115-e][090][TEI17] Mobility-state-based cell reselection for NR High Speed railway Dedicated Network (CMCC)

Scope: Check and progress CRs to agreeable status.

Intended outcome: Agreeable CRs

Deadline: Long

* [Post115-e][091][MBS] Remaining control plane issues (Huawei)

Scope: Determine and address MBS Remaining CP issues

Intended outcome: Report with open issues, and proposed resolutions as far as reasonable.

Deadline: Long

* [Post115-e][092][MBS] Remaining User plane issues (Lenovo)

Scope: Determine and address MBS Remaining UP issues

Intended outcome: Report with open issues, and proposed resolutions as far as reasonable.

Deadline: Long

* [Post115-e][101][NTN] Stage 2 running CR (Thales)

Scope: update the Stage 2 (38.300) running CR based on meeting agreements

Intended outcome: Endorsable 38.300 running CR

Deadline: Long

* [Post115-e][103][NTN] RRC running CR (Ericsson)

Scope: update the 38.331 running CR based on meeting agreements

Intended outcome: Endorsable 38.331 running CR

Deadline: Long

* [Post115-e][104][NTN] MAC running CR (Interdigital)

Scope: update the 38.321 running CR based on meeting agreements

Intended outcome: Endorsable 38.321 running CR

Deadline: Long

* [Post115-e][105][NTN] 38.304 running CR (ZTE)

Scope: update the 38.304 running CR based on meeting agreements

Intended outcome: Endorsable 38.304 running CR

Deadline: Long

* [Post115-e][106][RedCap] Running CRs (Ericsson)

Scope: draft 38.331 and 38.304 running CRs based on meeting agreements

Intended outcome: Endorsable 38.331 and 38.304 running CRs

Deadline: Long

* [Post115-e][107][RedCap] Stage 2 Running CR (Nokia)

Scope: draft 38.300 running CR based on meeting agreements

Intended outcome: Endorsable 38.300 running CR

Deadline: Long

* [Post115-e][108][RedCap] 38.306 Running CR (Intel)

Scope: draft 38.306 running CR based on meeting agreements, also trying to resolve structural open issues from R2-2108891 (e.g. reusing existing sections/fields vs introducing new ones, etc.)

Intended outcome: Endorsable 38.306 running CR

Deadline: Long

* [Post115-e][109][RedCap] MAC running CR (vivo)

Scope: draft 38.321 running CR based on meeting agreements

Intended outcome: Endorsable 38.321 running CR

Deadline: Long

* [Post115-e][210][R17 DCCA] Running Stage-2 CRs for CPAC (CATT)

Scope: Updated running 37.340 CR for CPAC. Should also discuss if we have a new section for the CPAC procedures.

Intended outcome: Running CR

Deadline: Long

* [Post115-e][211][R17 DCCA] Running NR/LTE RRCs CR for CPAC (CATT)

Scope: Create running NR and LTE RRC CRs for CPAC.

Intended outcome: Running CR

Deadline: Long

* [Post115-e][212][R17 DCCA] Running NR/LTE RRCs CR for SCG deactivation (Huawei)

Scope: Create running NR and LTE RRC CRs for SCG deactivation.

Intended outcome: Running CR

Deadline: Long

* [Post115-e][213][R17 DCCA] Running MAC CR for SCG deactivation (vivo)

Scope: Create running MAC CR for SCG deactivation.

Intended outcome: Running CR

Deadline: Long

* [Post115-e][214][R17 DCCA] UE capabilities (Intel)

Scope: Discuss which (RAN2-determined) UE capabilities (for all features in this WI) are needed

Intended outcome: Report

Deadline: Long

* [Post115-e][215][R17 DCCA] Running Stage-2 CRs for SCG deactivation (ZTE)

Scope: Create running 37.340 CRs for SCG deactivation.

Intended outcome: Running CR

Deadline: Long

* [Post115-e][231][MUSIM] Running NR RRC CR for MUSIM (vivo)

Scope: Create running NR RRC CR for MUSIM

Intended outcome: Running CR

Deadline: Long

* [Post115-e][232][MUSIM] Running LTE RRC CR for MUSIM (Samsung)

Scope: Create running LTE RRC CR for MUSIM

Intended outcome: Running CR

Deadline: Long

* [Post115-e][233][MUSIM] Running 36.304 /38.304 CRs for MUSIM (China Telecom)

Scope: Create running 36.304 and 38.304 CRs for MUSIM

Intended outcome: Running CRs

Deadline: Long

* [Post115-e][234][MUSIM] Running Stage-2 CRs for MUSIM (Ericsson)

Scope: Create running Stage-2 CRs (36.300, 38.300 and/or 37.340) for MUSIM

Intended outcome: Running CR

Deadline: Long

* [Post115-e][245][Slicing] Running NR RRC CR for RAN slicing (Huawei)

Scope: Create running NR RRC CR for RAN slicing based on agreements

Intended outcome: Running CR

Deadline: Long

* [Post115-e][246][Slicing] Running 38.304 CR for RAN slicing (CMCC)

Scope: Create running 38.304 CR for RAN slicing based on agreements

Intended outcome: Running CR

Deadline: Long

* [Post115-e][247][Slicing] Running Stage-2 CRs for RAN slicing (Nokia)

Scope: Create running Stage-2 CRs (38.300 and/or 37.340) for RAN slicing based on agreements

Intended outcome: Running CR

Deadline: Long

* [Post115-e][248][Slicing] Running MAC CR for RAN slicing (OPPO)

Scope: Create running 38.321 CR for RAN slicing based on agreements (avoid overlap with general RACH partiotioning)

Intended outcome: Running CR

Deadline: Long

* [Post115-e][203][TEI17] Event triggered logged MDT for LTE (Qualcomm)

Scope: Discuss the details of event-triggered logged MDT for LTE (i.e. how it would work) and draft CRs accordingly.

Intended outcome: Report + draft CRs

Deadline: Long

* [Post115-e][216][R17 DCCA] Inter-node message design (Ericsson)

Scope: Discuss details of inter-node messages for CPAC and provide draft CR of the resulting option(s).

Intended outcome: Draft CR

Deadline: Long

* [Post115-e][217][R17 DCCA] Support of A3/A5 for inter-SN CPC (Ericsson)

Scope: Draft CRs that show how the support of A3/A5 events would be done for inter-SN CPC to assess the complexity of the feature. Can also discuss the gains from the functionality.

Intended outcome: report + draft CRs

Deadline: Long

* [Post115-e][218][R17 DCCA] TRS-based SCell activation (OPPO)

Scope: Discuss RAN2 impacts of TRS-based SCell activation and attempt to draft initial CRs to RRC/MAC to understand the scope.

Intended outcome: Report + draft CR to MAC/RRC

Deadline: Long

* [Post115-e][219][R17 DCCA] UE-initiated SCG activation (Huawei)

Scope: Discuss the detauils of UE-initiated SCG activation and whether we need it. Shuld clarify technical aspects.

Intended outcome: report

Deadline: Long

* [Post115-e][236][MUSIM] Paging with service indication (Huawei)

Scope: Discuss remaining open issues for paging with service indication and try to have draft CRs to illustrate the necessary modifications to specifications. Can discuss which specifications are affected. Can also discuss AS/NAS interactions with paging cause.

Intended outcome: report + draft CRs

Deadline: Long

* [Post115-e][242][Slicing] Cell- vs. UE specific slice group signalling (Ericsson)

Scope: Aim to understand issues with NAS signaling (which is UE-specific) since slice information should be common to all UEs in the same cell. Discuss if there are issues and attempt to resolve them. Focus on RACH aspects.Can have draft LS to SA2/CT1 (if needed)

Intended outcome: report + draft LS (if needed)

Deadline: Long

* [Post115-e][244][Slicing] Resolving FFSs for solution 4 (Lenovo)

Scope: Attempt to resolve solution 4 FFSs, including understanding if there are any impacts to RAN4 requirements. Can draft LS to RAN4 in case any potential impacts are identified.

Intended outcome: report + draft LS to RAN4 (if needed)

Deadline: Long

* [Post115-e][301][NBIOT/eMTC R17] RLF measurements (Huawei)

Scope: Progress the FFSs

Intended outcome: Report to next meeting

Deadline: long

* [Post115-e][302][NBIOT/eMTC R17] carrier selection (Ericsson)

Scope: progress open issues, main aim is to converge on option 1c vs. 2a for decision in next meeting.

Intended outcome: Report to next meeting

Deadline: long

* [Post115-e][304][NBIOT/eMTC R17] 36.300 running CR (Huawei)

Scope: Start running CR

Intended outcome: draft CR submitted to next meeting

Deadline: long

* [Post115-e][305][NBIOT/eMTC R17] 36.331 running CR (Qualcomm)

Scope: Start running CR

Intended outcome: draft CR submitted to next meeting

Deadline: long

* [Post115-e][504][RACH Partitioning] Signalling Aspects (Ericsson)

Scope: Discuss signalling options/modelling related to RACH partitioning and whether we specify allowed feature combinations

Deadline: long email discussion

* [Post115-e][506][SDT] RRC running CR update (ZTE)

Scope: Discuss the RRC running CR updates:

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][507][SDT] MAC running CR update (Huawei)

Scope: Discuss the MAC running CR updates:

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][508][SDT] Stage-2 running CR update (Nokia)

Scope: Discuss the Stage-2 running CR updates:

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][509][SDT] CG open issues (Xiaomi)

Scope: Discuss the open issues for CG including:

CG frame work for unlicensed and licensed spectrum, Whether to support UE autonomous retransmission, Detailed UE behaviours regarding the start/stop/expiry of the timer after the CG/DG transmission for CG-SDT, CG resource/HARQ process which can be selected during initial CG transmission phase or subsequent CG transmission phase, UE request/assistance information for CG SDT, Whether switching between CG and RA-SDT is allowed (after having selected CG-SDT for the initial UL and othre FFS for CG

Intended outcome: agreeable proposals

Deadline: Long

* [Post115-e][511][IIoT] MAC running CR update (Samsung)

Scope: Discuss the MAC running CR updates:

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][512][IIoT] Stage-2 running CR update (Nokia)

Scope: Discuss the Stage-2 running CR updates:

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][513][IIoT] QoS survival time (Huawei)

Scope: Discuss the following issues:

• Details about Survival Time State Triggering based on HARQ NACK (and exiting mechanism), for example (MAC Procedures, PDCP behaviour, RRC configuration, PDCP pre- configuration and what is configured. Discuss any potential issues (e.g. with pre-allocation of radio resources – CG resource wastage and availability)

• Discuss any other solutions that may still have good amount of support

Intended outcome: agreeable baseline CR

Deadline: Long

* [Post115-e][602][Relay] Relaying CR to 38.304 (Ericsson)

      Scope: Evaluate the draft CR and update with decisions of this meeting.

      Intended outcome: Endorsable CR

      Deadline:  Long

* [Post115-e][603][Relay] Relaying CR to 38.331 (Huawei)

      Scope: Evaluate the draft CR and update with decisions of this meeting.

      Intended outcome: Endorsable CR

      Deadline:  Long

* [Post115-e][604][Relay] Relay QoS (Apple)

      Scope: Address remaining proposals on QoS for L2 relay:

* PDB and PER split between Uu and PC5 (P3/P4 of R2-2109018)
* Configuration of remote and relay UE with PC5 QoS parameters (P3/P4/P5/P6/P9/P10 of R2-2109018)
* Granularity of QoS configuration for remote UE, per PC5 RLC bearer or per Uu QoS flow (P12/P13 of R2-2109018)
* Multiplexing of QoS flows of different PDU sessions and separation of relay traffic and relay UE’s own traffic (P14 of R2-2109018)
* RLC channel mapping in relation to QoS parameters (P15 of R2-2109018)
* Measurement reports on PC5 link conditions (P16 of R2-2109018)

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][605][POS] Pre-configured assistance data (Intel)

      Scope: Discuss signalling and validity criteria for pre-configured assistance data:

* Options for validity conditions:
  + Option A: Based on a validity area (e.g. a list of cells)
  + Option B: Based on a (configured) validity timer or a numerical limit on number of times it is utilized
  + Option C: Based on explicit modification or release from the LMF/NG-RAN
  + Option D: Based on the UE’s current location and/or the time
* Validity in relation to the duration of the positioning session
* Need for enhancements for signalling and use of pre-configured assistance data:
  + Add/mod/release mechanism for PRS configurations
  + Dynamic triggering of a preconfigured PRS at UE by LMF or gNB for making measurements on DL-PRS
  + Dynamic triggering of a preconfigured SRS at UE by gNB for transmitting SRS based on measurement report provided by UE
  + Priority indications for multiple (pre-)configured assistance data sets corresponding to multiple position fixes
* Stage 2 impact of pre-configured assistance data

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][606][POS] MO-LR for on-demand PRS (CATT)

      Scope: Determine whether UE-originated request of on-demand PRS is supported via MO-LR, including the case of a client at the UE, and determine what the impact would be to the procedure agreed as a stage 2 baseline in RAN2#115-e for on-demand PRS request.

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][607][POS] Integrity assistance data (Huawei)

      Scope: Discuss the supported assistance data for UE-based integrity determination, considering at least the following candidates that were proposed to RAN2#115-e:

* Quality indicators (standard deviation or variance) of the GNSS error sources
* Mean values of the GNSS error sources
* Information describing the time variation of the GNSS error sources
* Probability of satellite fault
* Probability of constellation fault
* “Do Not Use” assistance data alerts
* “Do Not Use” SV and/or GNSS constellation alerts

Assistance data can be considered in relation to the following categories of feared events from the TR:

* Feared events in the GNSS Assistance Data (category 1)
* GNSS feared events (category 3)
* LMF feared events (category 5)

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][608][POS] PRS configuration and measurement in RRC\_INACTIVE (vivo)

      Scope: Discuss the following potential configuration and measurement enhancements for DL-PRS in RRC\_INACTIVE (without exposing RRC state to LMF):

* Configuration enhancements:
  + RNA in the PRS configuration
  + Validity conditions in the PRS configuration
  + No impact to PRS configuration
* Assistance information from UE to gNB to help with configuration:
  + Type of reporting requested (e.g. periodic, aperiodic)
  + Payload size of LPP message
  + Start timing, measurement duration, reporting periodicity
  + No assistance information
* Measurement enhancements:
  + LMF/gNB interactions (for report size, periodicity, positioning requirements, data volume threshold)
  + Differential measurement report
  + No enhancements to measurement report

      Deadline:  Long

* [Post115-e][609][POS] RAT-dependent stage 2 CR (Intel)

      Scope: Progress the CR to 38.300 for RAT-dependent positioning to reflect decisions up to this meeting.

      Intended outcome: Endorsable CR

      Deadline:  Long

* [Post115-e][610][Relay] Control plane procedures (InterDigital)

      Scope: Discuss open issues on the relay control plane:

* Paging
  + Parameters shared with relay UE for monitoring remote UE’s PO
  + PC5-RRC signalling to forward paging to relay without CSS
  + Forwarding of short message
* RNAU/TAU
  + Confirm if the remote UE performs TAU/RNAU based on relay UE’s serving cell (for IC or OOC remote UE, when PC5-RRC connected to the relay UE)
  + Determine if the relay UE can perform TAU/RNAU for the remote UE
* Control of access procedure
  + Whether relay UE indicates to the remote UE if an access attempt is rejected or fails (e.g. connection reject, UAC check failure)
  + Whether relay UE sends wait time to the remote UE, and if so how the remote UE handles it
  + Handling of T300 for remote UE, considering different RRC states of the relay UE

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][611][Relay] Discovery shared/dedicated pool issue (Qualcomm)

      Scope: Clarify from the UE perspective the terminology on the network configuration of dedicated discovery pool vs. shared pool for communication and discovery, and determine whether to support option 2 from discussion [AT115-e][617], in which the network configures both shared and dedicated pools.

      Intended outcome: Report to next meeting

      Deadline:  Long

* [Post115-e][614][POS] Stage 2 draft CRs on GNSS integrity (InterDigital)

      Scope: Provide initial draft CRs to 36.305 and 38.305 capturing the agreements on integrity, and collect comments towards an endorsement in the next meeting cycle.

      Intended outcome: Endorsable CRs to next meeting

      Deadline:  Long

* [Post115-e][712][V2X/SL] 38.321 running CR (LG)

**Scope:** Prepare the draft CR with the agreements made up to now. Rapporteur can provide stage 3 open issue list to help further discussion.

**Intended outcome:** 38.321 running CR to be endorsed. Open issue list for stage 3 discussion.

**Deadline:** Long email discussion

* [Post115-e][713][V2X/SL] 38.331 running CR (Huawei)

**Scope:** Prepare the draft CR with the agreements made up to now. Rapporteur can provide stage 3 open issue list to help further discussion.

**Intended outcome:** 38.331 running CR to be endorsed. Open issue list for stage 3 discussion.

**Deadline:** Long email discussion

* [Post115-e][714][V2X/SL] (OPPO)

**Scope:** For UC and GC, discuss the need of any mechanism to avoid SL DRX inactivity timer (possibly also including HARQ RTT/retransmission timer) mismatch between network and the TX UE for mode1 operation. If companies consider solution is needed, discuss the possible options to solve the issue.

**Intended outcome:** Discussion summary

**Deadline:** Long email discussion. 1st phase: check companies’ views for the simple/general question, collect candidate options from the companies for the question including multiple options before checking all companies’ views for each option. 2nd phase: check companies’ views for all questions (no restriction) Checking the rapporteur summary is done from the end of 2nd phase to tdoc submission.

* [Post115-e][715][V2X/SL] (Vivo)

**Scope:** Discuss 1) how to calculate/determine SL DRX timer length (SL DRX cycle, SL DRX on-duration timer, SL DRX inactivity timer, HARQ RTT and retransmission timer), e.g. equation based on DFN, equation based on number of SL logical slots, etc., 2) how to calculate SL DRX start time (time where the first SL DRX on-duration timer starts) for UC and GC/BC, e.g. equation for UC, how to take L2 destination id into account for GC/BC, etc.

**Intended outcome:** Discussion summary

**Deadline:** Long email discussion. 1st phase: check companies’ views for the simple/general question, collect candidate options from the companies for the question including multiple options before checking all companies’ views for each option. 2nd phase: check companies’ views for all questions (no restriction). Checking the rapporteur summary is done from the end of 2nd phase to tdoc submission.

* [Post115-e][716][V2X/SL] Identified FFS/open issues (CATT)

**Scope:** Discuss identified FFS/open issues including: 1) FFS whether a TX profile identifies a release, or one or more sidelink feature groups, 2) FFS whether a TX profile needs to be provided with service type information or L2 id when upper layer indicates to AS layer, 3) FFS on slot or symbol where the start of SL-specific drx-HARQ-RTT-Timer and SL-specific drx-RetransmissionTimer, 4) FFS on the specific values of HARQ RTT that can be used for HARQ disabled case, 5) How to handle cases when a transmission may cause these timers to be running at the RX UE is FFS. FFS on groupcast. FFS on whether any spec impact (in agreement 14 and 15 in SL DRX timer maintenance, 6) what information is included in the assistance information from RX UE to TX UE? 7) Need of SL DRX assistance information REQ from TX UE to RX UE, 8) If SL DRX assistance information REQ is needed, what information is included? 9) FFS on the interpretation if assistance information is not provided, 10) FFS on the following TX/RX UE behaviours when reject happens, 11) FFS on whether the new rejection cause for SL DRX needs to be defined, 12) FFS on whether RRCReconfigurationFailureSidelink or RRCReconfigurationCompleteSidelink is used in Step 2, 13) Need of down-selection for SL DRX configuration when multiple QoS profiles are associated for same DST L2 ID, 14) Common or separate default SL DRX configuration for GC and BC? 15) FFS on whether default SL BC DRX configuration or which SL BC DRX configuration for DCR message should be used, 16) Whether SL DRX is applied after DCR message and before SL unicast DRX configuration is applied? 17) Whether we can confirm the WA that DRX configuration for V2X group management signaling is out of RAN2 scope.

**Intended outcome:** Discussion summary

**Deadline:** Long email discussion. 1st phase: check companies’ views for the simple/general question, collect candidate options from the companies for the question including multiple options before checking all companies’ views for each option. 2nd phase: check companies’ views for all questions (no restriction). Checking the rapporteur summary is done from the end of 2nd phase to tdoc submission.

* [Post115-e][899][SON/MDT] Handover related SON aspects (Ericsson)

Scope:

Technical discussion rather than voting yes/no on FFS issues figured out so far and the timers of CHO context.

How to capture all the related agreements we got so far.

Intended outcome: Report

Deadline: until next meeting

* [Post115-e][898][SON/MDT] 2-step RA related SON aspects (CATT)

Scope:

Technical discussion rather than voting yes/no on open issues in 8.13.2.2 2-step RA related SON aspects.

How to capture all the related agreements we got so far.

Intended outcome: Report

Deadline: until next meeting

* [Post115-e][897][SON/MDT] 2 Modeling aspects related to information required by SN/SCG (Huawei)

Scope:

Progress on the open issues in 8.13.2.3

Progress on ASN.1 modeling which will help us understand the overhead issue.

Intended outcome: Report

Deadline: until next meeting

* [Post115-e][896][SON/MDT] Logged MDT (Nokia)

Scope:

- Clarifications related to early measurements logging in logged MDT report

- Frequency-specific and RAT-specific coverage hole indication in logged MDT report and its associated configuration

- Enhancements associated to CEF report and RLF report for UL/DL coverage imbalance issues

Intended outcome: Report

Deadline: until next meeting

* [Post115-e][895][SON/MDT] IMM MDT (ZTE)

Scope:

- Based on the proposals in R2-2109021 progress the progress…

Intended outcome: Report

Deadline: until next meeting