**Email discussions after RAN2#127**

# Guidelines for email discussions:

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

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 the Secretary 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 chair, session chair or Secretary before sending the final version.
5. To avoid any confusion, Secretary, chair, 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.

# Deadlines

Aug. 29th 1800 UTC Deadline short email discussions

Sept. 27th 1000 UTC Deadline long email discussions

Oct. 4th 1000 UTC Submission Deadline RAN2#127

Weekends are inactive periods.

It is recommended to not send emails or update files on the server during inactive periods while It is not strictly prohibited. Rapporteurs may kick-off discussions during inactive period. However, no intermediate deadlines and no interactive discussion, no decision making may occur during the inactive period. It shall be possible for a delegate to stay away from reflector and 3GPP server during the inactive period, and still fully participate. Rapporteur announcements during the inactive period, if any, or other updates, can be taken into account after the inactive period.

# Short email discussions, Deadline Aug. 29th, 18:00 UTC

Please request R2-127 TDoc numbers for the following email discussions from MCC if not already allocated. Approval / endorsement will be declared at or shortly after the deadline.

* [POST127][000][Organizational] Email discussion list

 Intended outcome: provide email discussion list

* [POST127][002][UE Cap] Mega CR (Intel)

 Intended outcome: Agree to Mega CR

 Deadline: Sept 2nd, 2024

=> Reserved in:

 R2-2407846 (38.306 CR#1159)

 R2-2407847 (38.331 CR#4971)

* [POST127][011][UAV] UE capabilities (Huawei)

 Intended outcome: Review updated wording for LTE CR (to be agreed)

 Deadline: short

=> Reserved in R2-2407747 (36.306 CR#1890r1)

* [POST127][030][AI mobility] RRM simulation assumptions (Oppo)

 Intended outcome: agree to simulation assumptions

 Deadline: short

=> Reserved in R2-2407849 (Disc)

* [POST127][032][Channel Raster] Capability (Ericsson)

 Intended outcome:

 Deadline: short

=> Reserved in:

 R2-2407834 (38.306 CR#1157)

 R2-2407835 (38.306 CR#1158)

* [POST127][101][V2X/SL] (LG)

 **Scope:** Discuss changes in R2-2407381 (only correction 1) and capture all agreements made in RAN2#127. => It is extended to short email discussion. Capture all RAN2#127 agreements.

 **Intended outcome:** MAC CR in R2-2407581. => Agreed MAC CR in R2-2407603.

 **Deadline:** Short offline discussion.

=> Reserved in R2-2407603 (38.321 CR#1922r1)

* [POST127][105][MOB] (Ericsson)

 **Scope:** Discuss P1, P2, and P3 in R2-2406332, P3 in R2-2406337, P1, P2, P3, P6, P7 in R2-2407050 and R2-2407175. Update the CR with merging all corrections (if agreeable). => In CB session, this offline discussion is extended to short email discussion and the updated CR will capture all RAN2#127 agreements.

 **Intended outcome:** Agreed RRC CR in R2-2407585. Discussion summary in R2-2407595 (if needed). If proposals are straight-forward, it is ok to directly discuss based on the CR (up to offline discussion rapporteur). => In short email discussion, no need of discussion summary.

 **Deadline:** Short email discussion

=> Reserved in:

 R2-2407585 (38.331 CR#4930r1)

 R2-2407595 (Discussion summary)

* [POST127][106][MOB] (ZTE)

 **Scope:** Discuss R2-2406417 and R2-2407091. Update the CR with merging all corrections (if agreeable). => In CB session, this offline discussion is extended to short email discussion and the updated CR will capture all RAN2#127 agreements

 **Intended outcome:** Endorsed 37.340 CR/TP in R2-2407586. Discussion summary in R2-2407596 (if needed). If proposals are straight-forward, it is ok to directly discuss based on draft TP/CR (up to offline discussion rapporteur). => Agreed 37.340 CR in R2-2407604. In short email discussion, no need of discussion summary.

 **Deadline:** Short email discussion

=> Reserved in:

 R2-2407604 (37.340 CR#0399r2)

 R2-2407596 (Discussion summary)

* [POST127][110][MOB] (Intel)

 **Scope:** Update the draft CRs (if needed), discuss and finalize them. Prepare a LS to RAN1/4 to inform capability agreement and ask the question (see the discussion on R2-2406476).

 **Intended outcome:** Endorsed 38.331 CR in R2-2407599 and 38.306 CR in R2-2407600. Approved LS in R2-2407601.

 **Deadline:** Aug. 27th, 2024

=> Reserved in:

 R2-2407859 (38.331 draftCR)

 R2-2407600 (38.306 draftCR)

 R2-2407601 (LSout)

* [POST127][111][MOB] (CATT)

 **Scope:** Prepare a LS to SA3 to inform RAN2 agreements to ask them to take it into account for their works.

 **Intended outcome:** Approved LS in R2-2407602.

 **Deadline:** Short email discussion.

=> Reserved in R2-2407602 (LSout)

* [Post127][202][MIMOevo] CR for TS 38.321 (Samsung)

Scope: Update and review the CR for TS 38.321.

Intended outcome: Agreed CR

Deadline: Short

=> Reserved in R2-2407843 (38.321 CR#1927)

* [Post127][203][MIMOevo] CR for TS 38.331 (Ericsson)

Scope: Update and review the CR for TS 38.331.

Intended outcome: Agreed CR

Deadline: Short

=> Reserved in R2-2407851 (38.331 CR#4972)

* [Post127][204][MUSIM] CR for TS 38.331 (vivo)

Scope: Update and review the CR for TS 38.331

Intended outcome: Agreed CR

Deadline: Short

=> Reserved in R2-2407852 (38.331 CR#4973)

* [Post127][301][R18 NR NTN] 38.300 CR (Thales)

 Scope: Draft a 38.300 based on meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407621): short

=> Reserved in R2-2407621 (38.300 CR#0902)

* [Post127][302][R18 NR NTN] 38.331 CR (Ericsson)

 Scope: update the RRC CR with meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407611): short

=> Reserved in R2-2407611 (38.331 CR#4935r1)

* [Post127][303][R18 NR NTN] 38.321 CR (Interdigital)

 Scope: update the MAC CR with meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407628): short

=> Reserved in R2-2407628 (38.321 CR#1928)

* [Post127][304][R18 NR NTN] UE Caps CRs (Intel)

 Scope: Draft CRs based on meeting agreements

 Intended outcome: Endorsed CRs

 Deadline for CRs (in R2-2407624 and R2-2407625): Aug. 27th, 2024

=> Endorsed in:

 R2-2407624 (38.306 CR#1160)

 R2-2407625 (38.331 CR#4974)

* [Post127][305][R18 IoT NTN] 36.300 CR (Ericsson)

 Scope: Draft a 36.300 CR with meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407626): short

=> Reserved in R2-2407626 (36.300 CR#1405)

* [Post127][306][R18 IoT NTN] 36.331 CR (Huawei)

 Scope: update the RRC CR with meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407615): short

=> Reserved in R2-2407615 (36.331 CR#5049r1)

* [Post127][307][R18 IoT NTN] 36.321 CR (Mediatek)

 Scope: update the MAC CR with meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407620): short

=> Reserved in R2-2407620 (36.321 CR#1588r1)

* [Post127][308][R18 IoT NTN] 36.306 CR (Qualcomm)

 Scope: Draft a 36.306 CR based on meeting agreements

 Intended outcome: Agreed CR

 Deadline for agreed CR (in R2-2407627): short

=> Reserved in R2-2407627 (36.306 CR#1892)

* [Post127][309][R18 NR NTN] LS to RAN1 (CATT)

 Scope: Draft a LS to RAN1 on correction on network verification of UE location

 Intended outcome: Approved LS

 Deadline for approved LS (in R2-2407630): short

=> Reserved in R2-2407630 (LSout)

* [Post127][403][POS] LS to RAN1 on CSI-RS for spatial relation in RRC\_INACTIVE (ZTE)

 Scope: Draft an LS to RAN1 explaining the situation in RAN2 in relation to using RS from connected configuration as reference for spatial relation in RRC\_INACTIVE, and ask whether UE can take the CSI-RS or SRS configuration provided in RRC\_CONNECTED as the spatial relation RS to be applied in RRC\_INACTIVE state.

 Intended outcome: Approved LS

 Deadline: Short (not for RP)

=> Reserved in R2-2407853 (LSout)

* [Post127][404][POS] Rel-18 positioning MAC CR (Huawei)

 Scope: Check and update the CR in R2-2407722

 Intended outcome: Agreed CR

 Deadline: Short (for RP)

=> Reserved in R2-2407854 (38.321 CR#1883r2)

* [Post127][405][POS] Rel-18 positioning RRC CRs (Ericsson)

 Scope: Check the CRs in R2-2407721 and R2-2407769, including confirming list extension mechanism for R2-2407769.

 Intended outcome: Agreed CRs

 Deadline: Short (for RP)

* [POST127][505][MBS] RRC CR (Huawei)

 Scope: Update the RRC CR with the agreements from the meeting, discuss the related FFSes.

 Intended outcome: Agreeable RRC CR in R2-2407736

 Deadline: Short

=> Reserved in R2-2407736 (38.331 CR#4955r1)

* [Post127][601][RRC] Miscellaneous non-controversial corrections Set XXII (Ericsson)

Scope:

* + - Produce agreeable CRs

 Intended outcome:

* + - Agreed CRs in R2-2407650, R2-2407651 and R2-2407652 (Ericsson)

 Deadline:

* + - Thursday lunch. Intention is to agree the CRs over email.
		- Friday morning session

=> Reserved in:

 R2-2407650 (38.331 CR#4960r1, Rel-16)

 R2-2407651 (38.331 CR#4916r1, Rel-17)

 R2-2407652 (38.331 CR#4917r1, Rel-18)

* [Post127][602][FeMIMO] Power control parameters to support unified TCI state framework (Ericsson)

Scope:

* + - Produce agreeable CRs pending input from RAN1, if needed

 Intended outcome:

* + - Agreed CRs in R2-2407659 and R2-2407660 (Ericsson)

 Deadline:

* + - Short

=> Reserved in:

 R2-2407659 (38.331 CR#4963r1, Rel-18)

 R2-2407660 (38.331 CR#4964r1, Rel-17)

* [Post127][603][SONMDT] SCG act/deact info (CMCC)

Scope:

* + - Produce approvable LS

 Intended outcome:

* + - Approved LS in R2-2407664 (CMCC)

 Deadline:

* + - Short

=> Reserved in R2-2407664 (LSout)

* [Post127][604][Maint] Parallel Tx capability (Ericsson)

Scope:

* + - Implement the agreement about limiting parallel Tx capabilities into a CR
		- Check whether the following intra-band capabilities can also be limited to NR SA CA, in which case this should also be implemented in the CR:

parallelTxPRACH-SRS-PUCCH-PUSCH-intraBand-r17

parallelTxMsgA-SRS-PUCCH-PUSCH-intraBand-r17

parallelTxSRS-PUCCH-PUSCH-intraBand-r17

 Intended outcome:

* + - Agreed CRs

 Deadline:

* + - Short

=> Reserved in:

 R2-2407855 (38.306 CR#1161, Rel-15)

 R2-2407856 (38.306 CR#1162, Rel-16)

 R2-2407857 (38.306 CR#1163, Rel-17)

 R2-2407858 (38.306 CR#1164, Rel-18)

# Long email discussions, for R2-127, Deadline Sept. 27th, 10:00 UTC (unless otherwise stated)

Please request R2-127bis TDoc numbers for the following email discussions by 3GU according to normal tdoc submission procedure.

* [POST127][019][AI PHY] LS to RAN1(Intel)

 Intended outcome: Agree to list of questions to ask RAN1 to enable RAN2 progress.

 Deadline: two weeks

=> Reserved in R2-2407848 (LS out)

* [POST127][022][AIoT] TP for TR (Huawei)

 Intended outcome: Updated TP based on agreements from RAN2 127

 Deadline: long

* [POST127][027][AI Mob] Simulation table (Mediatek )

 Intended outcome: Agree how to capture simulation results

 Deadline: two weeks

* [POST127][033][AIoT] Random Access (Huawei)

 Intended outcome: Discuss Failure/success indication aspects and FFS for CBRA and on FFS on AS ID for scheduling purposes

 Deadline: long

* [POST127][109][NES] (OPPO)

 **Scope:** For each direction (N extension vs PF bundling): 1) List proposed options, 2) Discuss to understand each option better, 3) Down select options, 4) Discuss pros and cons for each direction or down-selected options (with the consideration of UE impacts, system impacts and specification job). F2F offline discussion in Brk3 room. => It is extended to long email discussion to continue detailed analysis of pros and cons for each direction.

 **Intended outcome:** Discussion summary in R2-2407598. => Updated discussion summary

**Deadline:** Long email discussion.

**Extra long email discussions, for R2-128, Deadline Nov. 1st, 10:00 UTC (unless stated otherwise)**

Please request R2-128 TDoc numbers for the following email discussions by 3GU according to normal tdoc submission procedure

Companies are encouraged to only trigger these discussions after the short email discussion/RAN plenary rush

* [POST127][004][ASN.1 Modernization] requirements (Nokia)

 Intended outcome: discuss requirements of the end of release ASN.1 review process

 Deadline: extra long

* [POST127][029][AI mobility] RLF Simulation Assumption (Oppo)

 Intended outcome: Agreeable simulation assumption

 Deadline: extra long

* [Post127][401][Relay] Multi-hop relay discovery and (re)selection (LG)

 Scope:

* + Discovery message initiating/forwarding condition at intermediate relay UE
	+ PC5 AS conditions for discovery at the last relay UE
	+ Reselection triggers for all UEs
	+ (Re)selection criteria for all UEs (considering discovery models A/B and whether criteria beyond the first hop are considered)
	+ Whether to support cross-path topologies, e.g., whether (physically) different remote UE can select each (physically) different last relay UE via one (physically same) intermediate relay UE

 Intended outcome: Report to RAN2#128

 Deadline: extra long

* [Post127][402][Relay] Multi-hop relay control plane (InterDigital)

 Scope:

 - Describe different solutions (from company contributions) for multihop U2N relay UE by at least describing:

* + Connection establishment procedures
	+ Assumptions on RRC state(s) of intermediate UEs and last relay UE
	+ Assumptions on controlling gNB/cell of each relay UE
	+ How the remote and intermediate relay UEs obtain their configurations in each solution
	+ How to meet QoS requirement e2e

 - Evaluate the feasibility and pros/cons of the different solutions towards downscoping to a single solution

 Intended outcome: Report to RAN2#128

 Deadline: extra long