**Email discussions after RAN2#120**

# 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

Nov 21-25 is an inactive period.

Dec 23 – Jan 6 is an expected inactive period (for confirmation TSG RAN)

Jan 23 – 27 is an inactive period (for confirmation TSG RAN)

Also Weekends are inactive.

As usual it is recommended to not send emails or update files on the server during inactive periods. It is not prohibited, and Rapporteurs may kick-off their discussions. However, no intermediate deadlines and no interactive discussion 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, can be taken into account after the inactive period.

# Short email discussions, Deadline Friday Dec 2nd, 1000 UTC (if not otherwise stated)

Please request R2-120 TDoc numbers for the following email discussions from MCC if not already allocated

Approval will be declared at or shortly after the deadline.

* [Post120][000] R2 120 General (Chair)

 Scope: Approve last Parallel session report. Correct if needed Chair notes, session notes. Reporting of feedback of the meeting, if any. Issues needing correction due to malfunctioning remote participation, if any. AOB.

 Intended outcome: Misc

 Deadline: Short

* [Post120][050][NR151617] NR RRC Rapporteur CRs (Ericsson)

 Scope: NR RRC Rapporteur CRs for Rel-15 Rel-16 Rel-17. Based on R2-2212149, R2-2212150, R2-2212151, merged CRs and collected comments, converge to agreement.

 Intended outcome: Agreed 38.331 CRs

 Deadline: Short

* [Post120][051][NR17] UE Capability Mega CRs (Intel)

 Scope: Based on R2-2212991 and R2-2212992, Include merged CRs, incorporate feature list updates from RAN1 and RAN4 as far as possible (also if the input is ready only after meeting close). Review etc for agreement.

 Intended outcome: Agreed 38.331 38.306 CRs

 Deadline: Short

* [Post120][052][NR17] higher granularity per-FR gap capability (Qualcomm)

 Scope: Based on R2-2212527, R2-2212528, Review and update if needed, for agreement. Include also determination whether inter-node signalling is needed, and if so update CRs to include inter-node signaling.

 Intended outcome: Tech Endorsed 38.331 38.306 CRs (for TSG RAN)

 Deadline: Short

* [Post120][055][feMIMO] RRC connection CR (Ericsson)

 Scope: Capture the outcome of this meeting

 Intended outcome: Agreed CR

 Deadline: Short

* [Post120][056][feMIMO] MAC Correction CR (Samsung)

 Scope: Based on R2-2213285 (which includes all changes agreed before Friday), include additional scope from R2-2211984

 Intended outcome: agreed CR

 Deadline: Short

* [POST120][101][RedCap] LS to RAN4 (Oppo)

 Scope: Discuss LS to RAN4 on offset for UEs with 1Rx branch

 Intended outcome: LS to RAN4

 Deadline: short

* [POST120][102][RedCap] LS to RAN4 (Apple)

 Scope: Discuss reply LS to RAN4 on reference SSB for s-MeasureConfig checking

 Intended outcome: Reply LS to RAN4

 Deadline: short

* [POST120][103][RedCap] RRC CR (Ericsson)

 Scope: include meeting agreements in the RRC CR

 Intended outcome: Agreeable RRC CR (in R2-2213021)

 Deadline: short

* [POST120][104][RedCap] 38.304 CR (Ericsson)

 Scope: Include meeting agreements in the 38.304 CR

 Intended outcome: Agreeable 38.304 CR (in R2-2213025)

 Deadline: short

* [POST120][105][IoT NTN] MAC CR (Mediatek)

 Scope: Include meeting agreements in the MAC CR

 Intended outcome: Agreeable MAC CR (in R2-2213016)

 Deadline: short

* [POST120][106][IoT NTN] 36.306 CR (Nokia)

 Scope: Include meeting agreements in the 36.306 CR

 Intended outcome: Agreeable 36.306 CR (in R2-2213029)

 Deadline: short

* [POST120][107][IoT NTN] RRC CR (Huawei)

 Scope: Include meeting agreements in the RRC CR

 Intended outcome: Agreeable RRC CR (in R2-2213031)

 Deadline: short

* [POST120][108][IoT NTN] 36.304 CR (Ericsson)

 Scope: Check the 36.304 CR

 Intended outcome: Agreeable 36.304 CR

 Deadline: short

* [POST120][109][IoT-NTN] LS to SA2 (Qualcomm)

 Scope: Discuss LS to SA2 on new TAU trigger based on meeting agreements

 Intended outcome: LS to SA2

 Deadline: short

* [POST120][110][NR NTN] RRC CR (Ericsson)

 Scope: Include meeting agreements in the RRC CR

 Intended outcome: Agreeable RRC CR (in R2-2213028)

 Deadline: short

* [POST120][111][NR NTN] capability CRs (Intel)

 Scope: Include meeting agreements in the capability CRs, also moving the field description of the following NTN capabilities from 38.331 to 38.306: ra-SDT-NTN-r17, srb-SDT-NTN-r17 and inactiveStateNTN-r17.

 Intended outcome: Agreeable capability CRs

 Deadline: short

* [POST120][112][NR NTN] Stage 2 CR (Thales)

 Scope: update the Stage 2 CR based on the outcome of offline 108 (in R2-2213032)

 Intended outcome: Agreeable Stage 2 CR (in R2-2213036)

 Deadline: short

* [Post120][208][NR] Finalizing RAN slicing RRC CR (LGE)

      Scope: Finalize RRC CR for RAN slicing based online agreements on R2-2213293.

      Intended outcome: Agreed CR

      Deadline:  Short

* [Post120][209][XR] Updated 38.835 for RAN (Nokia)

      Scope: Update TR according to final RAN2 XR agreements.

      Intended outcome: Updated TR in R2-2213229

      Deadline:  Short

* [Post120][210][NR] Finalizing RAN slicing 38.304 CR (OPPO)

      Scope: Finalize 38.304 CR for RAN slicing based online agreements on R2-2211962.

      Intended outcome: Agreed CR

      Deadline:  Short

* [Post120][211][Slicing] Stage-2 CR for RAN slicing (Nokia)

      Scope: Finalize 38.300 CR for RAN slicing based online agreements.

      Intended outcome: Agreed CR

      Deadline:  Short

* [Post120][212][QoE] Stage-2 CR for Rel-18 QoE (China Unicom)

      Scope: Create running 38.300 CR for Rel-18 QoE.

      Intended outcome: Endorsed running CR

      Deadline:  Short

* [Post120][213][QoE] LS to SA4 and SA5 on QoE measurements (Huawei)

      Scope: Send LS (based on RAN2#120 agreements) to SA4 and SA5 requesting information on how the area scope works, and how network handles “old” reports.

      Intended outcome: Approved LS

      Deadline:  Short

* [Post120][306][NES] Merged TP (Huawei)

 Scope; agree to RAN2 TP capturing agreements from RAN2, Agree to LS out to RAN1

 Intended outcome: Endorsed TP, approved LS out

 Deadline:  Short

* [POST120][307][R17 SDT] Correction CR to 38.331 (ZTE)
* [POST120][308][R17 SDT] Correction CR to 38.321 (Huawei)
* [POST120][309][R17 SDT] Repetition capability CR (Intel)
* [POST120][310][R18 URLLC] Response LS to SA2 on low latency (Huawei)
* [POST120][311][ R18 URLLC] Response LS to SA2 on TSS notification (Nokia)
* [POST120][314][ R17 RAPart] CR to 38.331 related to R2-2213107 (Huawei)
* [Post120][401][POS] Capability update to LPP CR (Qualcomm)

 Scope: Update the LPP CR in R2-2213135 to take into account updates to the RAN1 feature list (to be provided by Lenovo as a draft CR in R2-2213321 at start of discussion).

 Intended outcome: Agreed CR

 Deadline: Short (for RP)

* [Post120][402][Relay] Rel-17 relay RRC CR (Huawei)

 Scope: Finalise the RRC CR with R2-2213138 as a baseline, taking into account the agreement on choice of SyncRef for OOC remote UE.

 Intended outcome: Agreed CR

 Deadline: Short (for RP)

* [Post120][609][MBS-R17] RRC CR (Huawei)

      Scope: Prepare RRC CR based on the agreements from this meeting

      Outcome: Agreeable MBS RRC CR in R2-2213110

      Deadline: Short

* [Post120][610][MBS-R17] MAC CR (OPPO)

      Scope: Prepare MAC CR based on the agreements from this meeting

      Outcome: Agreeable MBS MAC CR in R2-2213111

      Deadline: Short

* [Post120][611][eMBS] Stage-2 running CR (CMCC)

      Scope: Capture agreements so far in the stage-2 running CR

      Outcome: Agreeable 38.300 running CR in R2-2213112

      Deadline: Short

* [Post120-e][612][MBS-R17] PDCP variables initialization (Nokia)

      Scope: Update PDCP specifications based on the agreements on the PDCP state variables initialization

      Outcome: Agreeable 38.323 CR in R2-2213113

      Deadline: Short

* **[Post120][888][R17 SON/MDT] RRC Corrections (Ericsson)**

Step 1: discussion on the left over FFS issues in 6.13

 Intended outcome of step 1: Agreed changes

 Deadline: 09:09 local Toulouse, Friday November 18th

Step 2: Merge all the agreed changes in 6.13 into one big CR

 Intended outcome of step 2: Agreed big CR

 Deadline: Short

* **[Post120][899][R16 SON/MDT] RRC Corrections (Ericsson)**

Scope: Merge all the agreed changes in 5.4.3 into one big CRs (R17 changes will be merged in #888)

 Intended outcome: Agreed big CR

 Deadline: Short

# Long email discussions, for R2-121, Deadline Friday Feb 10th, 2023, 1000 UTC (if not otherwise stated)

Please request R2-121 TDoc numbers for the following email discussions by 3GU according to normal tdoc submission procedure.

After R2 119-bis-e

* [Post119bis-e][212][MUSIM] Rel-18 MUSIM solutions (Qualcomm/vivo)

 Scope: Discuss MUSIM solutions for Rel-18 (QC), including RAN3/RAN4 impact analysis (vivo). Should try to understand the pros and cons, can consider Stage-2 details.

 Intended outcome: Report

 Deadline: Long (starts only after RAN2#120)

After R2 120

* [Post120][053][AIML18] model transfer delivery (Huawei)

 Scope: Long email discussion for next meeting on model transfer/delivery, to collect pros/cons, Can also collect comments on different architectural assumptions.

 Intended outcome: Report

 Deadline: Long

* [Post120][054][AIML18] Data Collection (Ericsson / vivo)

 Scope: Long email discussion for next meeting, on data collection (focus on monitoring and training), on to what extent existing methods can be useful including also identifying these existing methods and their potential extensions

 Intended outcome: Report

 Deadline: Long

* [Post120][312][UAV] Mobility Control for UAVs (Nokia)

Scope: Discuss aspects related to mobility control, including:

- Height dependent parameter/configuration adjustment or scaling (e.g. TTT, A4 threshold etc). Discuss which parameters/configuration, options, motivation, benefits/drawbacks.

- Event combination – discuss possible event combinations (e.g. height based event and signal strength events) and motivation/benefits

Output: set of agreeable proposals

Deadline: Long - Kick off: Jan 9th, Deadline for company inputs Jan, 20th. Inactive Period January 23 to 27. Comments on rapporteur summary Jan. 30th to February 3rd

* [Post120][313][UAV] Interference Control for UAVs (Huawei)

Scope: Discuss the following aspects:

- Number of triggering cells: Scenarios (e.g. inter-RAT), possible modification compared to LTE baseline (need, motivation, option, benefit/drawback). Applicability to FR1/FR2 and need for ignoring mechanism (e.g. one cell is particularly strong). Discuss need for alternative mechansims (number of changed cell, prohibit timer etc.

- CellsTriggeredList: possible modification compared to the LTE baseline (Motivation, options, claimed benefits and possible drawbacks). E.g. numberOfTriggeringCellsForLeaving.

Output: set of agreeable proposals

Deadline: Long - Kick off: Jan 9th, Deadline for company inputs Jan, 20th. Inactive Period January 23 to 27. Comments on rapporteur summary Jan. 30th to February 3rd

* [Post120][652][IDC] Further details of FDM solution (Huawei)

      Scope:

* Comparison and down-selection of Solution 1, 2 or 2a based on ASN.1 details (granularity for bandwidth, e.g. PRB, RBG, explicit Bandwidth, etc).
	+ Option 1: Central frequency + Bandwidth of the actual affected frequency range
	+ Option 2: Starting frequency + Ending frequency of the actual affected frequency range
	+ Option 2a: starting frequency + Bandwidth of the actual affected frequency range
* Identify the impact of MR-DC, e.g. whether SN can configure IDC for SN (including both FDM and TDM), the coordination granularity of inter-node message, per CG pattern (TDM);
* Signalling details of FDM, e.g. how to configure, how to report..

Intended outcome: Report to next meeting (with Text proposal)

 Deadline: Long

* [Post120][651][IDC]  Further details of TDM solution (vivo)

      Scope:

* Details of periodic pattern, e.g. values (applied use case), ASN.1
* Signalling details of TDM, e.g. how to configure, how to report.
* Details of autonomous denial (LTE as baseline, ASN.1 and procedure)

 Intended outcome: Report to next meeting (with Text proposal)

 Deadline: Long