**Email discussions after RAN2#107**

# Guidelines for email discussions:

**For 1 or 2 week email discussions:**

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 at least 24 hours 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** (can be via reflector or a direct email). This avoids the rapporteur having to wait before they can conclude that their update is acceptable to you.
4. **Rapporteurs, 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 me or Juha before sending the final version.**
5. Rapporteurs, please let me know if there are problems in the discussion where I may be able to help. I will anyway be watching the discussions but a flag is sometimes useful.
6. To avoid any confusion, Juha, Johan, or I will send an email to confirm the final status of the document.

**For emails discussion to the next meeting:**

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. Please respect any intermediate deadline indicated by the rapporteur, and preferably provide your feedback as soon as possible.

**For emails discussion to the next meeting:**

1. A summary is a pre-agreed task to summarize input to a certain sub-AI of next meeting, i.e. it is not really an email discussion.
2. Rapporteurs, use the provided reference to announce on the reflector that a summary is ready when it has been submitted. Feel free to also use the reference on the reflector to gather initial comments, if any.

**For company initiated discussions:**

1. A company initiated discussion is a discussion on the R2 reflector with no rapporteur, no intended outcome and no deadline. The result of a company initiated discussion, if any, does not have any particular status in RAN2, i.e. is not prioritized, and will be counted against tdoc limitation of the author company.

# One week discussions: Deadline Thursday, 2019-09-05, 23:59 Pacific Time (unless stated)

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

[107#01][NR/R15] selectedBandCombinationNR (Nokia)

Agree CR to reflect the agreements taken in the meeting

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#02][NR/R15] Handling lists other than AddMod (Intel)

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#03][NR/R15] Miscellaneous corrections CR to 38.331 (Ericsson)

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#04][NR/R15] Channel Bandwidth validation upon SIB1 acquisition (Ericsson)

Agreed CR considering LS expected from RAN4

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#05][NR/R15] BWCS for inter-ENDC BC with intra-ENDC BC (Huawei)

CR to reflect the agreements from RAN4

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#06][NR/R15] Miscellaneous corrections CR to 38.306 (Intel)

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#07][NR/R15] Support of LCID change for NE-DC (Huawei)

Intended outcome: Agreed CR

Deadline: Thursday 2019-09-05

[107#09][NR IAB] Running Stage-2 CR (QC)

Intended outcome: reflect current agreements

Deadline: Thursday 2019-09-05

[107#10][NR NR-U] Running Stage-2 CR (QC)

Intended outcome: Endorsed CR taking into account agreements from this meeting.

Deadline: Thursday 2019-09-05

[107#11][NR IIOT] Running Stage-2 CR update (Nokia)

Intended outcome: Endorsed CR incorporating agreements

Deadline: Thursday 2019-09-05

[107#12][NB-IoT/eMTC R16] Summary of RAN2 agreements for Rel-16 additional enhancements for NB-IoT and MTC (Blackberry)

Intended outcome: Endorsed report in R2-1911575

Deadline: Thursday 2019-09-05

# Two week discussions: Deadline Thursday, 2019-09-12, 23:59 Pacific Time (unless stated)

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

[107#13][NR/Mob-enh] Running stage 2 CR (Intel)

Running CR updated to reflect agreements from the meeting

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-09-12

[107#14][NR/DCCA] Stage 2 running CR (Ericsson/Vivo)

Intended outcome: Endorsed running CRs

Deadline: Thursday 2019-09-12

[107#15][NR/SRVCC] Stage 2 running CR(Ericsson)

Intended outcome: Endorsed running stage 2 CR

Deadline: Thursday 2019-09-12

[107#16][NR/SRVCC] 38.331 running CR (Huawei)

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-09-12

[107#17][NR NR-U] Running MAC CR (Ericsson)

Intended outcome: Endorsed CR taking into account agreements from this meeting.

Deadline: Thursday 2019-09-12

[107#18][LTE/NR/feMOB] LS to SA3 on security impacts of multiple CHO targets (Sharp)

Confirm whether there are any security impacts if multiple CHO targets are prepared (e.g. can they all use the same security keys)

Intended outcome: Approved LS to SA3

Deadline: Thursday 2019-09-12

[107#19][NB-IoT R16] Update 36.300 running CR (Huawei)

Intended outcome: Endorsed running CR in R2-1911591

Deadline: Thursday 2019-09-26

[107#20][NB-IoT R16] Update 36.331 running CR (Huawei)

Intended outcome: Endorsed running CR in R2-1911592

Deadline: Thursday 2019-09-26

[107#21][NB-IoT R16] Update 38.300 running CR (Qualcomm)

Intended outcome: Endorsed running CR in R2-1911593

Deadline: Thursday 2019-09-26

[107#22][R16 eMTC] Running CR on 38.300 (Qualcomm)

Intended outcome: Endorsed running CR provided in R2-1911605.

Deadline: Thursday 2019-09-26

[107#24][R16 eMTC] Running CR on 36.331 (Qualcomm)

Intended outcome: Endorsed running CR provided in R2-1911607.

Deadline: Thursday 2019-09-26

[107#59][R16 eMTC] Running CR on 36.300 (Intel)

Intended outcome: Endorsed running CR provided in R2-1911604.

Deadline: Thursday 2019-09-26

[107#70][NR/V2X] 38.300 running CR (LG)

Update 38.300 running CR based on new agreements made this meeting and companies’ inputs

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-09-12

[107#71][NR/V2X] 36.300 running CR (LG)

Update 36.300 running CR based on new agreements made this meeting and companies’ inputs

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-09-12

[107#72][NR/V2X] 38.322 running CR (Ericsson)

Update 38.322 running CR based on new agreements made this meeting and companies’ inputs

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-09-12

# Next meeting discussions: Deadline Thursday, 2019-10-03, 23:59 Pacific Time (unless stated)

**TDoc numbers for the following email discussions may be requested via 3GU tool**

R, submitted to the next meeting.

10-03

[107#25][NR/R15] PDCP configuration generation for MR-DC cases (Huawei)

Intended outcome: Report to next meeting and draft CRs

Deadline: Thursday 2019-10-03

[107#26][NR/R15] SMTC setting in MR-DC PSCell change (Nokia)

First establish a common understanding of the intended behaviour according to the current specifications. Conclude whether to clarify the behaviour in the spec and draft CRs.

Intended outcome: Report and draft CRs to the next meeting

Deadline: Thursday 2019-10-03

[107#27][NR/R15] Determining L2 buffer size (Ericsson)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#28][NR/R15] Ambiguity of UE FDD&TDD FR1&FR2 RAN2 capabilities (ZTE)

Intended outcome: Report to next meeting and draft CRs

Deadline: Thursday 2019-10-03

[107#29][NR/Mob-enh] CP for DAPS (Vivo)

How to handle RLM/RLF in source and target cell during DAPS,

Single RRC or dual RRC?

When to set up target SRBs? When to release the source SRBs?

Whether to suspend source SRBs for dual RRC?

Whether UE can fallback to source connection in case of HO failure?

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#30][NR/LTE/Mob-enh] Configuration of CHO and execution condition (Intel)

Applicable to both LTE and NR

What parameters are needed for execution condition, and CHO command;

Signalling structure for execution condition;

Signalling structure for CHO configuration, including the contained from target is DL-DCCH, RRCReconfig?

Open issues on CHO configuration handling,

FFS whether the UE is required to check the compliance of the target cell configuration within CHO configuration upon reception or whether it is allowed to check upon execution.

FFS whether different RRC processing requirements are defined for the reconfiguration with CHO command.

FFS whether CHO commands need to be updated after source reconfiguration.

Intended outcome: Report and potential TP on ASN.1 part to next meeting

Deadline: Thursday 2019-10-03

[107#31][NR/DCCA] MCG fast recovery (Ericsson )

Other recovery mechanisms:

o (PCell) Recovery via SCell

o Other means?

Issue of outstanding SRB1 PDCP packets upon MCG fast recovery

Any other issues related to NW control, configurations, etc.

The rapporteur can also add other items (keeping the total number limited)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#32][NR/DCCA] MCG SCell/SCG resume (Interdigital)

• Possible enhancements to blind resume of MCG SCell and/or SCG (e.g. conditional restore of stored configuration on resume)

• SCell activation at resume

• Resume at SN

• Suspended SCG (while in Connected mode)

- The rapporteur can also add other items (keeping the total number limited)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#33][NR/DCCA] 38.331 running CR (Ericsson)

Intended outcome: Running CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#34][NR/DCCA] 36.331 running CR (Ericsson)

Intended outcome: Running CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#35][NR/DCCA] Remaining aspects of early measurement configuration (Vivo)

To at least address the FFS points and the validity area

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#36][NR/CLI] draft CR for 38.331 (LG)

Intended outcome: Draft CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#37][NR/CLI] draft CR for 38.306 (Ericsson)

Intended outcome: Draft CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#38][NR/CLI] draft CR for 38.300 (Huawei)

Intended outcome: Draft CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#39][NR/eMIMO] Multi PDCCH multi TRP impact to RAN2 (Ericsson)

Should aim to identify all RAN2 impacts both UP and CP.

Start to progress the solutions in RAN2 with priority on user plane

Include identification of information that we need to know from RAN1

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#40][NR/NPN] SIB1 design (Qualcomm)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#41][NR/NPN] CSG aspects (Nokia)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#42][NR/Rel-16] On demand SI in connected (Ericsson)

Progress remaining details for on demand SI in connected

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#43][LTE/High speed] UE capabilities for enhanced high speed scenario (DOCOMO)

Intended outcome: Agreeable CRs to 36.331 and 36.306 to next meeting

Deadline: Thursday 2019-10-03

[107#44][LTE and NR /feMOB] Discussion on PDCP details for RUDI HO (MediaTek/Huawei)

Discuss PDCP details on both UE and network side for RUDI HO:

1. Security handling

2. ROHC handling

3. Reordering operation

4. Impact of UL protocol switch, e.g. PDCP SDUs retransmission

5. Single PDCP modelling

a. One or two ROHC/ciphering functions

b. PDCP procedures upon reception of RUDI HO CMD and release of source cell

6. Impact on network side and identify potential aspects need to be informed to RAN3

7. Support of UDC and impact

8. Draft of TP for 36.323

Intended outcome: Report to next meeting (including TPs to 36/38.323)

Deadline: Thursday 2019-10-03

[107#45][NR/SON] RACH and Mobility Robustness optimisation checking (CATT)

- Check the feasibility of the parameters provided by RAN3

Intended outcome: email discussion report

Deadline: Thursday 2019-10-03

[107#46][NR/MDT] Running 37.320 CR (CMCC, Nokia)

- based on the above agreements and SI conclusions

- Take the documents R2-1909763-9767 and R2-1911667 into account

Intended outcome: running CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#47][NR/MDT] Running 38.331 CR for introducing logged MDT (Huawei)

- Take the agreements from this meeting into consideration

- Take R2-1909508 as baseline

Intended outcome: running CR submitted to next meeting

Deadline: Thursday 2019-10-03

[107#48][NR/MDT] Running 38.331 CR for introducing imm MDT and other MDT functions (Ericsson)

- Take the above agreements into consideration

Intended outcome: Running CR

Deadline: Thursday 2019-10-03

[107#49][NR/L2 measurement] Running TS38.314 (CMCC)

- including the general reference to SA2 spec

- the skeleton of TS

- including the measurements related number of UEs

Intended outcome: Running TS

Deadline: Thursday 2019-10-03

[107#50][LTE/TEI16] Introduction of wideband PRG size (Huawei)

Intended outcome: 36.331 and 36.306 CRs submitted to next meeting

Deadline: Thursday 2019-10-03

[107#51][NR IAB] F1 over LTE (AT&T)

Intended outcome: Report identify the impact, attempt to converge on a solution, based on R2-1911782, including the possibility of split SRB3

Deadline: Thursday 2019-10-03

[107#52][NR IAB] Configuration (Ericsson)

Intended outcome: A first draft RRC running CR including a first step to decide which part to be configured by RRC vs F1AP

Deadline: Thursday 2019-10-03

[107#53][NR IAB ] Routing (Ericsson)

Intended outcome: Address the FFS on identify next hop / egress link. progress the discussion on path ID and destination ID for UL and DL (size etc)

Deadline: Thursday 2019-10-03

[107#54][NR IIOT] EHC (Vivo)

Intended outcome: Progress header fields, feedback mechanisms (pave the way for decisions, whether to have one etc)

Deadline: Thursday 2019-10-03

[107#55][NR IIOT] CG/SPS for TSC (Oppo)

Intended outcome: Confirmation MAC CE, HARQ ID determination, multiple configurations, determine configuration for periodicity. Progress based on input of this meeting, can take into account R1 agreements.

Deadline: Thursday 2019-10-03

[107#56][NB-IoT R15] When PDCCH monitoring starts/ends for Timers Started in the Middle of a PDCCH Period (DoCoMo)

Intended outcome: Report and possible CR

Deadline: Thursday 2019-10-03

[107#57][NB-IoT/eMTC R16] Configuration details of UE-ID and paging probability based WUS groups (ZTE)

Intended outcome: Report to the next meeting

Deadline: Thursday 2019-10-03

[107#58][NB-IoT/eMTC R16] RRC messages for D-PUR transmission and response (Huawei)

Intended outcome: report to the next meeting

Deadline: Thursday 2019-10-03

[107#60][NR/NTN] RACH capacity evaluation and procedures ( ZTE)

Intended outcome: TP on RACH capacity and procedure evaluation taking into account the new assumption

Deadline: Thursday 2019-10-10

[107#61][NR/NTN] Rapporteur Running TP (Thales)

Intended outcome: TP capturing agreements in the meetings that are not handled in separate email discussions

Deadline: Thursday 2019-10-10

[107#62][NR/NTN] TP Mobility ( InterDigital)

Intended outcome: TP capturing the remaining FFSs and reviewing the TP in R2-1910962

Deadline: Thursday 2019-10-03

[107#63][NR/NTN] Feeder link switch TP (Ericsson)

Intended outcome: agreeable TP

Deadline: Thursday 2019-10-03

[107#64][NR/NTN] Cell selection and reselection (LG)

- Discuss the PLMN selection for service continuity and other FFSs for cell selection, discuss what is cell identity.

- Intended outcome: TP capturing cell selection

Deadline: Thursday 2019-10-03

[107#65][NR/Power Saving] Running CR for 38.300 (CATT)

Intended outcome: Endorsed running CR

Deadline: Thursday 2019-10-03

[107#66][NR/2-step RACH] Running CR for 38.300 (Nokia)

Intended outcome: Running CR to be endorsed in the meeting

Deadline: Thursday 2019-10-10

[107#67][NR/2-step RACH] Running CR for 38.321 (ZTE)

Intended outcome: Running CR to be endorsed in the meeting

Deadline: Thursday 2019-10-10

[107#68][NR/2-step RACH] MAC PDU format for msgB(Qualcomm)

Intended outcome: proposal on MAC PDU Format

Deadline: Thursday 2019-10-10

[107#69][NR/Positioning] Running stage 2 CR on positioning (Intel)

Intended outcome: Draft CR taking into account the agreements of RAN2#107

Deadline: Thursday 2019-10-03

[107#73][NR/V2X] SDAP (Vivo)

Discuss SDAP functions (e.g. establishment/release, etc.) and SDAP PDU format. (Vivo)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#74][NR/V2X] QoS flows in SLRB (Apple)

Discuss how to indicate the mapped QoS flow(s) in SLRB? (Apple)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#75][NR/V2X] RLF (Ericsson)

Discuss UE behaviour once RLF is declared (Ericsson)

Intended outcome: Report to next meeting

Deadline: Thursday 2019-10-03

[107#76][LTE/feMOB] Running Stage-2 CR for LTE mobility (China Telecom)

Running CR updated to reflect agreement from the meeting

Intended outcome: Endorsed running CR for 36.300

Deadline: Thursday 2019-10-03

[107#77][LTE/feMOB] Running RRC CR for LTE mobility (Ericsson)

Running CR to reflect current agreements

Intended outcome: Endorsed running CR for 36.331

Deadline: Thursday 2019-10-03

[107#78][LTE] MAC aspects for LTE mobility (vivo)

Discuss which are the MAC impacts of RUDI HO and provide MAC TP.

Intended outcome: Report to next meeting (including MAC TP)

Deadline: Thursday 2019-10-03

[107#79][LTE/feMOB] Capability coordination for RUDI HO (QC)

Discuss the options for UE capability coordination for RUDI HO: List possible alternatives and their specification impacts.

Intended outcome: Report to next meeting (potentially including TP to 36.306 and 36.331)

Deadline: Thursday 2019-10-03

[107#08][NR IAB] Running BAP CR (Huawei)

Intended outcome: reflect current agreements

Deadline: Thursday 2019-10-03

# Next meeting summaries: Deadline Tuesday, 2019-10-08, 23:59 Pacific Time (unless stated)

[107#80][NR IIOT] Summary on Deprioritized PDUs (CATT)

Intended outcome: Objective summary of tdocs to 6.7.3.1 of R2-107bis

# Company initiated discussions

[107#81][NR TEI16] Need-for-Gaps signalling