**Email discussions after RAN2#103bis**

# 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, myself or Juha 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.

# One week discussions: Deadline Thursday, 2018-10-18, 23:59 Pacific Time (unless stated)

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

[103bis#01][NR] LS to RAN4 on channel bandwidth (Qualcomm)

Intended outcome: Approved LS

Deadline: Thursday 2018-10-18

[103bis#02][NR] LS on the search space of cross-carrier scheduling (Vivo)

Intended outcome: Approved LS

Deadline: Thursday 2018-10-18

[103bis#03][NR] MPS LS to SA1 (Vencore)

Intended outcome: Approved LS

Deadline: Thursday 2018-10-18

[103bis#04][NR] Late drop UE capabilities (Huawei)

Intended outcome: Approved LS

Deadline: Thursday 2018-10-18

[103bis#05][NR - IAB] TP on SRB mapping (Samsung)

Agreed TP on SRB mapping options

Intended outcome: Agreed TP

Deadline: Thursday 2018-10-18

[103bis#06][NR – IAB ] TP on SR and BSR (Intel)

Intended outcome: Agreed TP

Deadline: Thursday 2018-10-18

[103bis#07][NR/MIMO] LS to RAN1 and RAN4 on MIMO Layer configuration (MediaTek)

Intended outcome: Approved LS

Deadline: Thursday 2018-10-18

[103bis#08][eMTC/NB-IoT R16] Capture agreements (Blackberry)

To capture the agreements from the meeting in a document for information.

Intended outcome: Endorsed report

Deadline: Thursday 2018-10-18

# Two week discussions: Deadline Thursday, 2018-10-25, 23:59 Pacific Time (unless stated)

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

[103bis#09][NR/Late drop] 37.340 CR (ZTE)

Capture agreements from this meeting

Intended outcome: CR to be submitted to next meeting

Deadline: Thursday 2018-10-25

[103bis#10][NR/Late drop] 38.331 CR (Ericsson)

Create 38.331 CR to introduce the late drop (single CR for all arch options). Also create a set of FFS points that need to be discussed online at the next meeting

Intended outcome: CR and report to next meeting

Deadline: Thursday 2018-10-25

[103bis#11][NR/Late] 36.331 CR (Samsung)

Create 36.331 CR to introduce the late drop (single CR for NGEN-DC and NE-DC options). Also create a set of FFS points that need to be discussed online at the next meeting

Intended outcome: CR and report to next meeting

Deadline: Thursday 2018-10-25

[103bis#12][NR/UE cap SI] UE cap ID signalling options (MediaTek)

Create TP to capture the signalling options available considering the key aspects agreed in the meeting.

Intended outcome: TP to be submitted to next meeting

Deadline: Thursday 2018-10-25

# Next meeting discussions: Deadline Thursday, 2018-10-25, 23:59 Pacific Time (unless stated)

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

[103bis#13]LTE] Early implementable features (DOCOMO)

To review the text in the annex to be added to LTE RRC.

Companies that have had CRs agreed for early implementable features during Rel15 to provide initial input to the table

Intended outcome: Agreeable CR to be submitted to the next meeting.

Deadline: Thursday 2018-11-01

[103bis#14][NR] Channel Bandwidth Signalling (Qualcomm)

Discuss and resolve the FFS points from the discussion in the meeting.

Draft a CR to capture the meeting agreements and the FFS points

Intended outcome: CR to the next meeting

Deadline: Thursday 2018-11-01

[103bis#15][NR] Applicability of 38.331 to EN-DC (Huawei)

Intended outcome: Agreeable CR submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#16][NR] Overheating (Huawei)

Progress the content of the overheating assistance information and progress the CR

Intended outcome: Report to next meeting, CR to the next meeting

Deadline: Thursday 2018-11-01

[103bis#17][NR] NR serving cell measurements (Huawei)

Discuss how to address the issues identified in R2-1814162

Intended outcome: Agreeable CR (if needed)

Deadline: Thursday 2018-11-01

[103bis#18][NR] Measurement gaps (Intel)

Conclude how to capture the conditions under which measurement gaps are required.

Intended outcome: Agreeable CR to stage 2.

Deadline: Thursday 2018-11-01

[103bis#19][NR] Sorting of NR cells in measurement reports in LTE (Huawei)

Intended outcome: CR submitted to next

Deadline: Thursday 2018-11-01

[103bis#20][NR] Inter-RAT HO (Huawei)

Conclude how to specify the clean-up of resources, etc in NR on handover to LTE

Intended outcome: CR submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#21][NR] SupportedbandListNR (Ericsson)

Progress discussion of SupportedbandListNR from R2-1814570

Intended outcome: CR submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#22][NR] UE capabilities (DOCOMO/Intel)

Intended outcome: Agreeable CR for 38.331 and 38.306

Deadline: Thursday 2018-11-01

[103bis#23][NR] Relation of feature sets and band combinations (Ericsson)

Progress the discussion on relation of feature sets and band combinations

Intended outcome: Report to next meeting, and draft CR if possible

Deadline: Thursday 2018-11-01

[103bis#24][NR] SRS switching capability (Huawei)

Discuss potential compromise solutions that could provide some useful information to the network but not at the granularity of per band pair per band combination

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#25][NR] Remaining security issues for MR-DC (Intel)

- Algorithm handling for NG-EN-DC and NE-DC – which algorithm to use, understand any differences, what specification updates are needed for the different options, how to ensure independent evolution of LTE and NR algorithms

- When should DRB-IP reconfiguration be supported (e.g. due DRB IP policy change)

Intended outcome: Report to next meeting and TP for the different options

Deadline: Thursday 2018-11-01

[103bis#26][NR/Late drop] NE DC capability parameters (Huawei)

Identify which parameters introduced for EN-DC are or are not applicable for NE-DC

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#27][NR/Late drop] NR-DC capabilities (Nokia)

Discuss whether to include NR-DC band combination within the UE-MRDC-Capability IE or within the NR SA capabilities

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#28][NR/UE cap SI] UE cap compression TP (Nokia)

Create TP to capture the compression proposal.

Intended outcome: Draft TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#29][NR/UE cap SI] UE cap segmentation TP (Ericsson)

Create TP to capture the segmentation proposal and options (RRC, etc).

Intended outcome: Draft TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#43][LTE/eLTE] Capture NR agreements (Intel)

Capture the agreements made in NR session which are also applied for eLTE

Intended outcome: 36.331 CR submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#30][NR - IAB] Adaptation layer non-IP or IP (Ericsson)

Intended outcome: Agree on TP for comparison between non-IP-based and IP-based Adapt for architecture 1a

Intended outcome: TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#31][NR - IAB] Adaptation layer in MT (Qualcomm)

Intended outcome: TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#32][NR - IAB] Unified design (Qualcomm)

Intended outcome: attempt to extract a set of limited aspects to help reaching consensus on UP transport of unified design. No new architecture options should be considered.

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#33][NR – NTN] (Thales)

Intended outcome: Capture agreements from this meeting into a TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#34][NR - NTN] (Ericsson)

Intended outcome:

1. Definition of cell

2. Clarify scenarios (e.g. whether multiple beams cover the same cell) and List of possible options on SSB modelling

3. What does the UE see (e.g. does the UE need to differentiate between spot beams or just rely on SSBs)

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#35][NR/V2X] V2X agreements (Huawei)

To capture all agreements made this meeting in NR V2X into TR. Expected output is agreeable TP

Intended outcome: Agreeable TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#36][NR/V2X] SL broadcast, UP aspects (LG)

To discuss which LTE mechanism/feature to be inherited to NR SL broadcast, UP aspects.

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#37][NR/V2X] NR SL broadcast, CP aspects (Huawei)

To discuss which LTE mechanism/feature to be inherited to NR SL broadcast, CP aspects.

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#38][NR/V2X] SL unicast/groupcast (LG)

To discuss for SL unicast/groupcast, what AS-level information is required to exchange among UEs and/or gNB, and whether we need AS-level connection/RB establishment/configuration or management procedure.

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#39][NR/V2X] e2e delay (Intel)

To capture e2e delay analysis based on R2-1815557 and R2-1813936. Expected output is agreeable TP

Intended outcome: Agreeable TP submitted to next meeting

Deadline: Thursday 2018-11-01

[103bis#40][NR/V2X] RAT selection for SL (ZTE)

To discuss how we perform RAT selection for SL (e.g. based on extension/reuse of TX profile), how we perform Uu/SL interface selection. And to discuss what AS aspects need to be considered if agreed that we need to consider AS-level.

Intended outcome: Report to next meeting

Deadline: Thursday 2018-11-01

[103bis#41][NR/IIoT] Intra-UE prioritization (Nokia)

Discuss the scenarios and division of work between RAN1 and RAN2. Views from companies to be presented in email discussion.

Intended outcome: Email discussion report

Deadline: Thursday 2018-11-02

[103bis#42][NR/L1] PUCCH resource release (Huawei)

Intended outcome: Email discussion summary and optional CR

Deadline: Thursday 2018-11-01