

Source: RAN2 Chairman (Intel)

Object: Proposed Agenda

1 Opening of the meeting (9 AM)

1.1 Call for IPR

The attention of the delegates of this Working Group is drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners **to inform their respective Organizational Partners of Essential IPRs** they become aware of.

The delegates were asked to take note that they were hereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (<http://webapp.etsi.org/lpr/>).

NOTE: IPRs may be declared to the Director-General or Chairman of the SDO, but not to the RAN WG2 Chairman.

1.2 Network usage conditions

The PCG has laid down the following network usage conditions

1. Users shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws.

2. Users shall not engage in non-work related activities that consume excessive bandwidth or cause significant degradation of the performance of the network.

Since the network is a shared resource, users should exercise some basic etiquette when using the 3GPP network at a meeting. It is understood that high bandwidth applications such as downloading large files or video streaming might be required for business purposes, but delegates should be strongly discouraged in performing these activities for personal use. Downloading a movie or doing something in an interactive environment for personal use essentially wastes bandwidth that others need to make the meeting effective. The meeting chairman should remind end users that the network is a shared resource; the more one user grabs, the less there is for another. Email and its attachments already take up significant bandwidth (certain email programs are not very bandwidth efficient). In case of need the chair can ask the delegates to restrict IT usage to things that are essential for the meeting itself.

- 1. DON'T place your WiFi device in ad-hoc mode**
- 2. DON'T set up a personal hotspot in the meeting room**
- 3. DO try 802.11a if your WiFi device supports it**
- 4. DON'T manually allocate an IP address**
- 5. DON'T be a bandwidth hog by streaming video, playing online games, or downloading huge files**
- 6. DON'T use packet probing software which clogs the local network (e.g., packet sniffers or port scanners)**

1.3 Other

In accordance with the Working Procedures it is reaffirmed that:

- (i) compliance with all applicable antitrust and competition laws is required;
- (ii) timely submissions of work items in advance of TSG or WG meetings are important to allow for full and fair consideration of such matters; and
- (iii) the chairman will conduct the meeting with strict impartiality and in the interests of 3GPP

Note on (i): In case of question please contact your legal counsel.

Note on (ii): WIDs don't need to be submitted to the RAN2 meeting and will typically not be discussed here either.

2 General

THANK YOU to companies that request TDoc numbers and submit contributions early before deadline (really appreciated). Will start to refrain from treating late documents.

2.1 Approval of the agenda

A draft schedule for the week is provided as a separate document, distributed via the RAN2 email reflector and made available during the meeting week in the RAN2\Inbox\Chairmans_Notes folder.

2.2 Approval of the report of the previous meeting

2.3 Reporting from other meetings

2.4 Others

Rapporteur changes

Spec	former rapporteur	proposed new rapporteur
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Isolated impact analysis

Note that an isolated impact analysis is required for Rel-8 to Rel-14 CRs from Q3 2017 onwards. Only corrections where there is a proven problem are allowed for frozen releases (Rel-8 to Rel-14).

RAN2 WG compendium

Latest version can always be found at ftp://ftp.3gpp.org/tsg_ran/WG2_RL2/Org/RAN2_Compendium/

Drafting rules

Note that specification drafting rules in TR 21.801 must be followed when drafting a CR and draft TS/TR. Latest version can always be found at http://www.3gpp.org/ftp/specs/archive/21_series/21.801/

Time Budget

The time budget endorsed at RAN-76 is available in RP-171478

Offline discussion during RAN2 meeting

Chairs will allocate a number of offline discussions during the meeting. Create a folder containing this number within inbox/drafts and use this to share any documents relating to the offline discussion. Also use this number in the title of any reflector emails relating to this offline discussion. Do not share documents over the reflector during the meeting.

3 Incoming liaisons

Note: LSs are moved to the respective agenda items if any.

4-5 Void

6 LTE: Rel-12 and earlier releases

Including corrections related to the following WIs:

(LTE-L23, leading WG: RAN2, REL-8, started: Sep. 06, closed: Dec. 08, WID: RP-080747)

(LTE_CA-Core, leading WG: RAN1, REL-10, started: Dec. 09, closed: June 11, WID: RP-100661)
 (LTE_UL_MIMO-Core, leading WG: RAN1, REL-10, started: Dec.09, closed: June 11, WID: RP-100959)
 (LTE_eDL_MIMO-Core, leading WG: RAN1, REL-10, started: Dec.09, closed: March 11, WID: RP-100196)
 (LTE_Relay-Core, leading WG: RAN1, REL-10, started: Dec. 09, closed: June 11, WID: RP-110911)
 (MBMS_LTE_enh-Core, leading WG: RAN2, REL-10, started: June 10, closed: March 11, WID: RP-101244)
 (MDT_UMTSLTE-Core, leading WG: RAN2, REL-10, started: Dec. 09, closed: June 11, WID: RP-100360)
 (eICIC_LTE-Core, leading WG: RAN1, REL-10, started: March 10, closed: June 11, WID: RP-100383)
 (SONenh_LTE-Core, leading WG: RAN3, REL-10, started: March 10, closed: June 11, WID: RP-101004)
 (LTE_CA_enh-Core, leading WG: RAN1, REL-11, started: March 11, closed: Mar.13, WID: RP-121999)
 (MBMS_LTE_SC-Core, leading WG: RAN2, REL-11, started: June 10, closed: Sep.12, WID: RP-120258)
 (LTE_eDDA-Core, leading WG: RAN2, REL-11, started: March 11, closed: Dec.12, WID: RP-120256)
 (LCS_LTE-NBPS-Core, leading WG: RAN2, REL-11, started: March 09, closed: June. 13, WID: RP-131259)
 (eICIC_enh_LTE-Core, leading WG: RAN1, REL-11, started: March 11, closed: Dec. 12, WID: RP-120860)
 (SPIA_IDC_LTE-Core, leading WG: RAN2, REL-11, started: Sep.11, closed: Dec. 12, WID: RP-111355)
 (COMP_LTE_DL-Core, leading WG: RAN1, REL-11, started: Sep.11, closed: Dec.12, WID: RP-111365)
 (COMP_LTE_UL-Core, leading WG: RAN1, REL-11, started: Sep.11, closed: Dec.12, WID: RP-111365)
 (LTE_TDD_add_subframe, leading WG: RAN1, REL-11, started: March 12; closed: Sep. 12, WID: RP-120384)
 (FS_HetNet_eMOB_LTE, leading WG: RAN2, REL-11, started: March 11, closed: Sep. 12, WID: RP-110709)
 (LTE_enh_dl_ctrl-Core, leading WG: RAN1, REL-11, started: Dec. 11, closed: Dec. 12, WID: RP-120871)
 (LTE_SC_enh_dualC-Core, leading WG: RAN2, REL-12, started: Dec.13, closed: Dec.14, WID: RP-141797)
 (LTE_SC_enh_L1-Core, leading WG: RAN1, REL-12, started: Dec.13, closed: Dec.14, WID: RP-132073)
 (LTE_D2D_Prox-Core, leading WG: RAN1, REL-12, started: Mar.14, closed: Mar.15, WID: RP-142043)
 (MBMS_LTE_OS-Core, leading WG: RAN2, REL-12, started: Sep.13, closed: Dec.14, WID: RP-140282)
 (LTE_NAICS-Core, leading WG: RAN1, Rel-12, started: Mar 14, closed: Dec.14, WID: RP-140519)
 (LC_MTC_LTE-Core, leading WG: RAN1, REL-12, started: Jun 13, closed: Dec 14, WID: RP-140522)
 (GCSE_LTE-MBMS_CM-Core, leading WG: RAN3, started: Sep. 14, closed: Mar. 2015, WID: RP-141035)
 (LTE_CA_TDD_FDD-Core, leading WG: RAN1, REL-12, started: Jun 13, closed: Jun 14, WID: RP-140465)
 (LCS_BDS-LTE-Core, leading WG: RAN2, REL-12, started: Mar 13, closed: Dec 13, WID: RP-130416)
 (LTE_eDL_MIMO_enh-Core, leading WG: RAN1, REL-12, started: Sep 12, closed: June 14, WID: RP-121416)
 (HetNet_eMOB_LTE-Core, leading WG: RAN2, REL-12, started: Dec.12, , closed: Sep 14, WID: RP-122007)
 (Cov_Enh_LTE-Core, leading WG: RAN1, REL-12, started: Jun.13, closed: Jun.14, WID: RP-130833)
 (LTE_TDD_eIMTA-Core, leading WG: RAN1, REL-12, started: Dec 12, closed: Jun.14, WID: RP-121772)
 (SCM_LTE-Core, leading WG: RAN2, REL-12, started: Mar.14, closed: Sep.14, WID: RP-140434)

Including any LTE corrections related to the following joint UMTS/LTE WIs:

(SIMTC-RAN_OC-Core, leading WG: RAN2, REL-11, started: Sep.11, closed: Sep. 12, WID: RP-111373)
 (eMDT_UMTSLTE-Core, leading WG: RAN2, REL-11, started: Sep.11, closed: Dec.12, WID: RP-121204)
 (SONenh2_LTE_UTRA-Core, leading WG: RAN3, REL-11, started: Sep.11, closed: Dec.12, WID: RP-120314)
 (rSRVCC-GERAN, leading WG: GERAN2, REL-11, started: Sep.11, closed: Nov.13, WID: GP-111290)
 (EHNb_enh3-Core, leading WG: RAN3, REL-12, started: Sep.12, closed: Dec 13, WID: RP-130741)
 (MTCe_RAN-Core, leading WG: RAN2, REL-12, started: Dec.13, closed: Sep.14, WID: RP-132053)
 (UTRA_LTE_WLAN_interw-Core, leading WG: RAN2, REL-12, started: Dec.13, closed: Sep.14, WID: RP-132101)
 (LTE_UTRA_IncMon-Core, leading: RAN4, REL-12, started: Dec.13, closed: Dec. 14, WID: RP-132061)

7 LTE: Rel-13

7.1 WI: Further LTE Physical Layer Enhancements for MTC

(LTE_MTCe2_L1-Core, leading WG: RAN1, REL-13; started: Sep. 14, closed: Mar. 16, WID: RP-150492)

Documents in this agenda item will be handled in a break out session

Including output from email discussion [99#40][MTC] UE in CE (Intel)

7.2 WI: Narrowband IOT

(NB_IOT-Core; leading WG: RAN1; started: Sep. 15; target: Jun. 16; WID: RP-152284)

Documents in this agenda item will be handled in a break out session

7.3 Other LTE Rel-13 WIs

Including corrections related to the following WIs:

(LTE_LAA-Core, leading WG: RAN1, REL-13; started: June 15, closed: Dec. 15, WID: RP-151045)
(LTE_CA_enh_b5C-Core, leading WG: RAN1, REL-13; started: Dec. 14, closed: Dec. 15, WID: RP-151984)
(LTE_SC_PTM-Core, leading WG: RAN2, REL-13; started: June 15, closed: Dec. 15, WID: RP-151110)
(LTE_eD2D_Prox-Core, leading WG: RAN2, REL-13; started: Dec. 14, closed: Mar. 16, WID: RP-150441)
(LTE_MC_load-Core, leading WG: RAN2, started: Mar. 15, closed: Dec. 15, WID: RP-152181)
(LTE_dualC_enh-Core, leading WG: RAN2, started: Mar. 15, closed: Dec. 15, WID: RP-151739)
(LTE_extDRX-Core; leading WG: RAN2; started: Mar. 15; closed: Mar. 16; WID: RP-150493)
(LTE_EBF_FDMIMO-Core; leading WG: RAN1; started: June. 15; closed: Dec. 15; WID: RP-151085)
(LTE_eMDT2-Core; leading WG: RAN2; started: Sep. 15; closed: Dec 15; WID: RP-151611)
(UTRA_LTE_iPos_enh-Core; leading WG: RAN2; started: Sep. 15; closed: Dec 15; WID: RP-152251)
(LTE_WLAN_radio-Core, leading WG: RAN2, started: Mar. 15, closed: Mar. 16, WID: RP-152213)
(LTE_WLAN_radio_legacy-Core; leading WG: RAN2; started: Sep. 15; closed: Mar 15; WID: RP-151615)

Including any LTE corrections related to the following joint UMTS/LTE WIs:

(ACDC-RAN-Core; leading WG: RAN2; REL-13; started: Mar. 15; closed: Dec. 15; RP-150662)

Including output from email discussion [99#19][LTE/CA] Unnecessary mandatory IE in UE capability signalling (Intel)

8 LTE Rel-14

8.1 WI: Enhanced LAA for LTE

(LTE_eLAA-Core; leading WG: RAN1; REL-14; started: Dec. 15; closed: Mar. 17; WID:RP-162229)

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.2 WI: Support for V2V services based on LTE sidelink

(LTE_SL_V2V-Core; leading WG: RAN1; started: Dec. 15; closed: Sept 16; WID: RP-161603)

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.2.1 User plane

8.2.2 Control plane

8.3 Void

8.4 Void

8.5 WI: Enhanced LTE-WLAN Aggregation (eLWA)

(LTE_WLAN_aggr-Core; leading WG: RAN2; REL-14; started: Mar. 16; closed: Mar. 17; WID: RP-160923)

This agenda item is for correction CRs to the closed WI.

8.6 WI: Further mobility enhancements in LTE

(LTE_eMob-Core; leading WG: RAN2; REL-14; started: Mar. 16; closed: Mar. 17; WID:RP-162503)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.7 WI: Further Indoor Positioning enhancements for UTRA and LTE

(UTRA_LTE_iPos_enh2-Core; leading WG: RAN2; REL-14; started: Mar. 16; closed: Dec. 16; WID: RP-162026)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.8 WI: L2 latency reduction techniques for LTE

(LTE_LATRED_L2-Core; leading WG: RAN2; REL-14; started: Mar. 16; closed: Sep. 16; WID: RP-160667)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.9 Void

8.10 WI: eMBMS enhancements for LTE

(MBMS_LTE_enh2-Core; leading WG: RAN1; REL-14; started: Mar. 16; target: Sep. 17; WID: RP-162231)

This agenda item is for correction CRs to the WI that is completed from RAN2 point of view.

Documents in this agenda item will be handled in a break out session

8.11 WI: Enhancements of NB-IoT

(NB_IOTenh-Core; leading WG: RAN1; REL-14; started: June 16; closed: Jun. 17; WID: RP-171060)

This agenda item is for correction CRs to the closed WI

Note: SC-PTM for eNB-IoT is handled under 8.12.1

Documents in this agenda item will be handled in a break out session

8.12 WI: Further Enhanced MTC for LTE

(LTE_feMTC-Core; leading WG: RAN1; REL-14; started: June 16; closed: Jun. 17; WID: RP-170532)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.12.1 Multicast for feMTC and eNB-IoT

8.12.2 Other

8.13 WI: LTE-based V2X Services

(LTE_V2X-Core, leading WG: RAN1; REL-14; started: June 16; closed: Mar. 17; WID: RP-162519)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.13.1 Stage 2

8.13.2 User plane

8.13.3 Control plane

8.14 WI: SRS switching between LTE component carriers

(LTE_SRS_switch; leading WG: RAN1; REL-14; started: Mar. 16; closed: Dec. 16; WID: RP-160935)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.15 WI: Measurement Gap Enhancement for LTE

(LTE_meas_gap_enh-Core; leading WG: RAN4; REL-14; started: Mar. 16; closed: Jun. 17; WID: RP-160912)

This agenda item is for correction CRs to the closed WI

8.16 Void

8.17 WI: Performance enhancements for high speed scenario in LTE

(LTE_high_speed-Core; leading WG: RAN4; REL-14; started: Dec. 15. 16; closed: Dec. 16; WID: RP-160172)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.18 WI: Voice and Video enhancement for LTE

(LTE_VoLTE_ViLTE_enh; leading WG: RAN2; REL-14; started: Sep. 16; closed: Mar. 17: WID: RP-161856)

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.19 New UE category with single receiver based on Category 1 for LTE

(LTE_UE_cat_1Rx-Core; leading WG: RAN4; REL-14; started: Sep. 16; closed: Jun. 17: WID: RP-171149)

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.20 Uplink Capacity Enhancements for LTE

LTE_UL_CAP_enh-Core; leading WG: RAN1; REL-14; started: Mar. 16; closed: Mar. 17: WID: RP-162488

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.21 WI: Enhancements on Full-Dimension (FD) MIMO for LTE

(LTE_eFD_MIMO-Core; leading WG: RAN1; REL-14; started: Mar. 2016; closed: Mar. 17: WID: RP-160623)

This agenda item is for correction CRs to the closed WI.

Documents in this agenda item will be handled in a break out session

8.22 Void

8.23 WI: Downlink Multiuser Superposition Transmission for LTE

(LTE_MUST-Core; leading WG: RAN1; REL-14; started: Mar. 16; closed: Dec. 16: WID: RP-161019)

This agenda item is for correction CRs to the closed WI

Documents in this agenda item will be handled in a break out session

8.24 Other LTE Rel-14 WIs

This agenda item may be used for documents relating to Rel-14 WIs with no allocated RAN2 time but which might have minor RAN2 impact.

Including any LTE corrections related to the following joint UMTS/LTE WI:

(eDECOR-UTRA_LTE-Core; leading WG: RAN3; REL-14; started: Dec. 16; closed: Mar. 17: WID: RP-162543)

8.25 LTE TEI14 enhancements

Small Technical Enhancements affecting LTE Rel-14 that do not belong to any Rel-14 WI.

Note: A TEI enhancement proposal should be treated for only one meeting cycle and involve only one WG. Otherwise, a WI should be proposed at RAN plenary!

This agenda item is for items already discussed under TEI14. New proposals should be submitted to TEI15 which is planned to be included on the agenda from RAN2#100.

Including output from email discussion [99#20][LTE/TEI14] Overheating (Huawei)

Including output from email discussion [99#21][LTE/TEI14] CQI-ReportConfig (Nokia)

9 LTE Rel-15

9.1 SI: Further Enhancements to LTE Device to Device, UE to Network Relays for IoT and Wearables

(FS_feD2D_IoT_relay_wearable; leading WG: RAN2; REL-15; started: Mar. 16; target: Dec. 17; SID: RP-161839)

Time budget: 1TU

Documents in this agenda item will be handled in a break out session

9.2 WI: Shortened TTI and processing time for LTE

(LTE_STTlandPT-core; leading WG: RAN1; REL-15; started: June 16; target: Dec. 17; WID: RP-171468)

Time budget: 0.5 TU

Documents in this agenda item will be handled in a break out session

Including output from email discussion [99#07][LTE/sTTI] – Running CR 36.300 – Ericsson

Including output from email discussion [99#08][LTE/sTTI] – Running CR 36.331 – Ericsson

Including output from email discussion [99#09][LTE/sTTI] – Running CR 36.321 Ericsson

Including output from email discussion [99#34][LTE/sTTI] – SPS for sTTI

9.3 Void

9.4 Study on Enhanced Support for Aerial Vehicles

(FS_LTE_Aerial; leading WG: RAN2; REL-15; started: Mar. 17; target: Dec. 17: SID: RP-171050)

Time budget: 1.5 TU

Documents in this agenda item will be handled in a break out session

9.4.1 General

(work plan and TR skeleton)

Including output from email discussion [99#38][LTE/UAV] Running TR36.777 (DOCOMO)

9.4.2 Requirements and parameter identification

(Identify the heights, speeds, latency, reliability, data rate, positioning accuracy, etc , taking into account the regulation viewpoints)

9.4.3 Potential enhancements for UAV interference problem

(Solutions to detect whether UL signal from an air-borne UE increases interference in multiple neighbour cells and whether an air-borne UE incurs interference from multiple cells)

Including output from email discussion [99#37][LTE/UAV] DL and UL Interference detection (DOCOMO)

9.4.4 Potential enhancements for handover

(Identify if enhancements in terms of cell selection and handover efficiency as well as robustness in handover signalling can be achieved)

9.4.5 Identify certification

(Identification of an air-borne UE that does not have proper certification for connecting to the cellular network while air-borne)

9.4.6 Others

9.5 Further video enhancements for LTE

(LTE_ViLTE_enh2-Core; leading WG: RAN2; REL-15; started: Mar. 17; target: Dec. 17: WID: RP-171392)

Time budget: 0 TU

This AI is a placeholder only - no documents to be submitted to this AI. The WI has no time budget allocated for this meeting and will be discussed again at RAN2#100.

9.5.1 General

(work plan)

9.5.2 Local caching for UE assistance video request

Including output from email discussion [99#33][LTE/eViLTE] UE assistance information (CMCC)

9.5.3 Enhancement to solve the problem of critical data discard

9.5.4 Others

9.6 QoE Measurement Collection for streaming services in E-UTRAN

(LTE_QMC_Streaming; leading WG: RAN2; REL-15; started: Dec. 17; target: Jun. 17; WID: RP-170956)

Time budget: 0.5 TU

Documents in this agenda item will be handled in a break out session

9.6.1 General

(work plan)

9.6.2 QoE measurement collection solutions

Including output from email discussion [99#39][LTE/QMC] RAN controlled CP based solution (Huawei)

9.6.3 Others

9.7 LTE connectivity to 5G-CN

(LTE_5GCN_connect-Core; leading WG: RAN2; REL-15; started: Mar. 17; target: Jun. 18; WID: RP-171432)

Time budget: 1.5 TU

At this meeting, due to the commonality with NR, this WI will be handled in the main session.

9.7.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

Principles on what to specify in which specs, terminology, etc

9.7.2 Stage 2 aspects

Including AS support for EPC/5GC selection, impact of flow based QoS, inter-RAT mobility (e.g. between E-UTRA/5GC and E-UTRA/EPC but not mobility in inactive which is addressed by AI 10.4.1.7.4), etc.

Impact to E-UTRA DC due to flow based QoS, operation of flow based QoS at intra system handover and inter system handover, access control, inactive state, and slicing will be discussed when NR has made more progress on these items, and hence will not be discussed at this meeting.

9.8 Positioning Accuracy Enhancements for LTE

(LCS_LTE_acc_enh-Core; leading WG: RAN2; REL-15; started: Mar. 17; target: Jun. 18; WID: RP-171508)

Time budget: 1 TU

Documents in this agenda item will be handled in a break out session

9.8.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

9.8.2 GNSS positioning enhancements

RTK payload transmission, transparent or not? Supported RTK techniques, SSR, VRS, PPP, etc? The details on the support of UE based and UE assisted; The details about unicast and broadcast of RTK assistance data;

Including output from email discussion [99#47][LTE/Positioning] RTK assistance data encoding (Huawei)

9.8.3 Support for IMU positioning

The details of IMU raw data; the scenario and benefits on how to use IMU raw data;

9.8.4 UE-based OTDOA positioning

What additional assistance information is required? Note, as second priority

9.8.5 Broadcasting of assistance data

SIB design for the transmission of A-GNSS, RTK and, as second priority, UE-based OTDOA assistance information. Encryption of assistance data broadcasting (SA3 input is needed);

9.9 Enhancing CA Utilization

(LTE_euCA-Core; leading WG: RAN2; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-170805)

Time budget: 1 TU

Documents in this agenda item will be handled in a break out session

9.9.1 General

Including incoming LSs, work plan, rapporteur inputs, running CRs

9.9.2 Delay reduction for SCell set-up

9.9.3 Signalling overhead reduction for configuration activation

9.9.4 Others

9.10 Enhancements on LTE-based V2X Services

(LTE_eV2X-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-171069)

Time budget: 1 TU

Documents in this agenda item will be handled in a break out session

9.10.1 General

Including incoming LSs, work plan and rapporteur inputs.

9.10.2 Carrier aggregation (up to 8 PC5 carriers)

Focus should be on RAN2 aspects.

Support of use case 2?

How to handle limited Rx chains?

Including output from email discussion [99#48][eV2X] Selection of Tx carriers (Huawei)

9.10.3 Radio resource pool sharing between UEs using mode 3 and mode 4

Focus should be on RAN2 aspects.

9.10.4 Others

Including RAN2 aspects, if any, on the WI objectives 1b (64 QAM), 1c (delay reduction at layer 1), 2 (transmit diversity), and 3 (short TTI).

9.11 High capacity stationary wireless and 1024 QAM

(LTE_1024QAM_DL-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Mar. 18: WID: RP-171067)

Time budget: 0.5 TU

Documents in this agenda item will be handled in a break out session

9.11.1 General

Including incoming LSs, work plan, rapporteur inputs, running CRs

9.11.2 UE capability and potential new categories

9.11.3 Corresponding higher-layer procedures and signalling

9.12 Enhancements to LTE operation in unlicensed spectrum

(LTE_unlic-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-170848)
Time budget: 1 TU

Documents in this agenda item will be handled in a break out session

9.12.1 General

Including incoming LSs, work plan, rapporteur inputs, running CRs

9.12.2 Autonomous uplink access on Frame structure type 3

9.12.3 Other operation on Frame structure type 3

9.12.4 Others

9.13 Further NB-IoT enhancements

(NB_IOTenh2-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-171428)
Time budget: 1 TU

Documents in this agenda item will be handled in a break out session

Some sub-items in 9.13 and 9.14 may be treated jointly.

9.13.1 Early Data Transmission

Early Data transmission for NB-IoT is treated jointly with MTC under AI 9.14.2. Do not use this AI for any item that can be discussed jointly.

9.13.2 System Acquisition Enhancements

System acquisition Enhancements for NB-IoT is treated jointly with MTC under AI 9.14.3. Do not use this AI for any item that can be discussed jointly.

9.13.3 Relaxed Monitoring for cell reselection

Relaxed monitoring for cell reselection for MTC and NB-IoT is treated jointly under this AI.

Including output from email discussion [99#41][NB-IoT/MTC] Measurement relaxation (Ericsson)

9.13.4 Semi-Persistent Scheduling

Including output from email discussion [99#42][NB-IoT] SPS options (Huawei)

9.13.5 RRC Connection Release Enhancements

Including output from email discussion [99#43][NB-IoT] RRC Connection release (Mediatek)

9.13.6 UE differentiation

Including output from email discussion [99#44][NB-IoT] UE differentiation (Huawei)

9.13.7 Small Cell Support

9.13.8 TDD

9.13.9 Other

E.g. Support for RLC-UM, Wake-Up Signal, Support for physical layer SR, Measurement Accuracy Enhancements, NPRACH reliability, NPRACH range, other

9.14 Even further enhanced MTC for LTE

(LTE_eMTC4-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-171427)
Time budget: 2 TU

Documents in this agenda item will be handled in a break out session

9.14.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

9.14.2 Early data transmission

Early Data transmission for NB-IoT and MTC is treated jointly under this AI.

Including output from email discussion [99#45][NB-IoT/MTC] Early data transmission (Qualcomm)

9.14.3 System acquisition time enhancements

System acquisition Enhancements for NB-IoT and MTC is treated jointly under this AI.

Including output from email discussion [99#46][MTC] Skipping SIB1-BR (Sierra Wireless)

9.14.4 Relaxed monitoring for cell reselection

Relaxed monitoring for cell reselection for MTC is treated jointly with NB-IoT under AI 9.13.3. Do not use this AI for any item that can be discussed jointly.

9.14.5 Access/load control of idle mode UEs

9.14.6 Uplink HARQ-ACK feedback

9.14.7 Increased PDSCH spectral efficiency

9.14.8 Increased PUSCH spectral efficiency

9.14.9 Other

Including higher UE velocity, lower UE power class, wake-up signaling, CRS muting etc.

9.15 Highly Reliable Low Latency Communication for LTE

LTE_HRLLC-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-171489

Time budget: 0.5 TU

For this meeting, items with RAN2 only impact will be discussed (e.g. packet duplication). Items that are related to RAN1 will be discussed from RAN2#100. (This guidance is intended to clarify the WID which is contradictory in allocating 0.5 TU to RAN2 but also saying that RAN2 work doesn't start until RAN2#100)

Documents in this agenda item will be handled in a break out session

9.16 UL data compression in LTE

(LTE_UDC-Core; leading WG: RAN2; Rel-15; started Sep 17; target: Mar 18; WID RP-172076)

Time budget: 0.5 TU

Documents in this agenda item will be handled in a break out session

9.17 Other LTE Rel-15 WIs

This agenda item may be used for documents relating to Rel-15 WIs with no allocated RAN2 time but which might have minor RAN2 impact (e.g. CT/SA WIs for which we have received an LS requesting RAN2 action)

This AI is to enable documents to be submitted for information. No time budget is allocated for this meeting and will be discussed starting from RAN2#100.

9.18 LTE TEI15 enhancements

Small Technical Enhancements affecting LTE Rel-15 that do not belong to any Rel-15 WI.

Note: A TEI enhancement proposal should be treated for only one meeting cycle and involve only one WG. Otherwise, a WI should be proposed at RAN plenary!

Time budget: 0 TU

This AI is to enable TEI15 proposals to be submitted for information. No time budget is allocated for this meeting and will be discussed starting from RAN2#100.

10 WI: New Radio (NR) Access Technology

(NR_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: RP-172215)

10.1 Organisational

Incoming LSs, work plan, status from other groups, etc.

10.2 Stage 2 and common UP/CP aspects

For this meeting, proposals to the stage 2 should be submitted with a TP to show the impact to the stage 2 specifications.

10.2.1 Stage 2 TSs and running CR

Latest TS 38.300, TS 37.340 and running CR to 36.300, other rapporteur inputs, anything related to specification methodology. Please submit any new text proposals to the appropriate agenda item.

10.2.2 User Plane

No documents should be submitted to 10.2.2. Please submit to 10.2.2.x.

10.2.2.1 Bearer type harmonisation

Any remaining stage 2 aspects relating to bearer type harmonisation

This agenda item is relevant to EN-DC completion and standalone operation.

Maximum 1 tdoc per company

10.2.2.2 Bearer type change

Output from email discussion [99#18][NR] Bearer Type Change (Huawei)

This agenda item is relevant to EN-DC completion and standalone operation.

Maximum 1 tdoc per company.

10.2.2.3 Other

Any remaining stage 2 user plane aspects - detailed topics should be discussed in stage 3 user plane.

Note that the L2 impact of bandwidth parts as agreed by RAN1 will be discussed under separate AI 10.2.3.

This agenda item is relevant to EN-DC completion and SA.

10.2.3 Impact of bandwidth parts

To understand the consequences for RAN2 of the agreements in RAN1 on bandwidth parts (BWP), including both user plane and control plane implications.

This agenda item is relevant to EN-DC completion.

10.2.4 MN/SN measurement coordination

As agreed at RAN2#99, the need for any measurement coordination between MN and SN will be discussed again after we have receive more information from RAN4.

Further detail discussion of the measurement object parameters that can be configured differently without affecting whether the 2 measurement objects will count as 1 or 2 measurement layers, please use stage 3 agenda item 10.4.1.4.3.

This agenda item is relevant to EN-DC completion.

Maximum 1 tdoc per company

10.2.5 MN/SN procedures for EN-DC

Output from email discussion [99#49][NR] MN/SN procedures (ZTE)

Details of the content of inter node RRC messages should be progressed in stage 3 AI 10.4.1.9.

This agenda item is relevant to EN-DC completion.

Maximum 1 tdoc per company

10.2.6 EN-DC - security aspects)

Any remaining stage 2 aspects relating to security for EN-DC.

This agenda item is relevant to EN-DC completion.

10.2.7 EN-DC - other aspects

Any remaining stage 2 aspects. Contributions should include a TP to show how the stage 2 specification would be impacted (if no stage 2 spec impact then the contribution should be submitted to an appropriate stage 3 AI)

This agenda item is relevant to EN-DC completion.

10.2.8 Mobility mechanisms - SCG change for EN-DC

Any remaining stage 2 aspects of SCG change for EN-DC (include anything common to SCG change and HO).

Contributions should include a TP to show how the stage 2 specification would be impacted (if no stage 2 spec impact then the contribution should be submitted to an appropriate stage 3 AI)

This agenda item is relevant to EN-DC completion.

10.2.9 Mobility mechanisms - basic handover

Any remaining stage 2 aspects of basic handover (and not common to SCG change for EN-DC). Contributions should include a TP to show how the stage 2 specification would be impacted (if no stage 2 spec impact then the contribution should be submitted to an appropriate stage 3 AI)

This agenda item is not relevant to EN-DC completion but will be treated if time allows

10.2.10 Mobility mechanisms - other

Note decisions at RAN2#97bis to progress the basic HO mechanism and only when stable to discuss conditional handover and potential optimisations to target close to 0ms or 0ms interruption.

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.2.11 Mobility - RLM,RLF

Any remaining stage 2 aspects of radio link monitoring procedure and criteria for declaring radio link failure, including impact of beam failure/recovery based on responses from RAN1 to questions sent from last meeting.

This agenda item is relevant to EN-DC completion

Maximum 1 tdoc per company

10.2.12 Mobility without RRC involvement

AI is a placeholder for when RAN1 has made progress on beam management. Any RAN2 contributions should focus on the RAN2 implications as a consequence of RAN1 agreements - do not submit duplicates of RAN1 documents here.

This agenda item is relevant to EN-DC completion

10.2.13 Mobility - Inter-RAT

Connected mode mobility between NR and E-UTRA

Inter-RAT NR measurements to be added to E-UTRA for purpose of EN-DC should be discussed under stage 3 AI 10.4.2.

Inter-RAT E-UTRA measurements to be added to NR for the purpose of inter-RAT handover from NR to E-UTRA should be discussed under stage 3 AI 10.4.1.3.7

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.2.14 Security (non EN-DC)

Stage 2 aspects of security for cases other than EN-DC

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

10.2.15 Slicing

Including signalling of slice info to RAN, impact to access control, confirmation (or otherwise) of working assumption from RAN2#99 on use of dedicated prioritises to control idle mode mobility for slicing, etc

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

10.2.16 QoS

Any remaining stage 2 aspects, including QoS operation with DC.

Detailed topics should be discussed in stage 3 user plane

Note agreement at RAN2#97bis that QoS flow remapping at handover will be discussed when flow remapping not at handover has been progressed within user plane session.

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

10.2.17 Positioning

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

19.2.18 Stage 2 corrections

This agenda item is for corrections to the draft stage 2 TSs. 'Corrections' means improvements to the way that existing agreements are captured in the TS, or addition of existing agreements that have been omitted (new agreements should not be proposed). In addition, such corrections should first be communicated to the specification rapporteur for possible inclusion in a rapporteur's update, and only submitted here if you conclude a separate contribution should be useful.

This agenda item is relevant to EN-DC completion.

10.2.19 Other (non EN-DC)

Other stage 2 aspects for non EN-DC

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.3 Stage 3 user plane

Documents in this agenda item will be handled in the NR user plane break out session

10.3.1 MAC

10.3.1.1 TS

Latest TS 38.321, rapporteur inputs, etc

Including output from email discussion [99#10][NR UP] – Running draft TS 38.321 – Samsung

Please provide input to the rapporteur for corrections. Single rapporteur TP is encouraged.

10.3.1.2 MAC architecture

Contributions on MAC modelling of PDCCH monitoring/TTI length.

Note: specific issues related to CA (e.g. RAR, SR, DRX, etc.) and duplication should be submitted under the dedicated AI.

Modelling of numerology/TTI length should be submitted under LCP

Max 1 contribution per company – supporting TPs should be included in the contribution

10.3.1.3 MAC PDU format

Contributions should focus only on critical issues/corrections related to agreed MAC PDU format

Contributions on RAR PDU format should be submitted under this AI (Max 1 contribution per company – supporting TPs should be included in the contribution)

Single TP by rapporteur on all MAC CE formats is expected for this AI. Other contributions on MAC CE format should only focus on critical issues that require discussion.

10.3.1.4 Random access

10.3.1.4.1 Differentiation of RA parameters

A converged solution and TP is highly encouraged provided.

As per RAN guidance, a short discussion will take place on the topic and depending on outcome it may be de-prioritized for RAN2#100 and postponed for June completion time frame.

Max 1 contribution per company – multi company contributions are encouraged. Supporting TPs should be included in the contribution

10.3.1.4.2 Random access in presence of multi-beam operation

Issues related to multi-beam operation. Focus should be on RAN2 specific aspects

Max 1 contribution per company – supporting TPs should be included in the contribution

10.3.1.4.3 Random access procedures

Contributions on further details of random access procedures, preamble selection, power ramping for msg1 transmission (with no beam forming) RA-RNTI calculation and 4 contention resolution.

Stage 3 details of On-demand SI request. Details for msg3 based-SI request depend on CP discussions and may not be progressed given the prioritization of SI design in CP.

10.3.1.4.4 Other aspects related to RA

10.3.1.5 SR

SR configuration, mapping and transmission for CA case

Handling of timers and SR_counters

SR cancelation and failure handling

10.3.1.6 BSR

BS size, table calculations, and format (max 1 contribution per company for this topic)

BSR cancelation

10.3.1.7 LCP

How to define and configure “time” in LCP restriction procedure
Stage 3 details of capturing LCP restrictions and parameters.
Single, converged stage 3 TP is encouraged

10.3.1.8 SPS/Grant-free

HARQ and transmissions aspects (e.g. HARQ identification with and without repetition, how to handle new data transmission on SPS occasions and retransmissions) (Max 1 contribution per company for this topic)

Progress on RAN2 specific aspects related to “type 1” (e.g. when UE starts using resources, naming of the schemes, etc) (Max 1 contribution per company for this topic)

Other RAN2 specific aspects related to SPS/Grant free (e.g. Whether multiple SPS configurations on SCells can be active at the same time, etc) (Max 1 contribution per company for all other related RAN2 aspects)
RAN2 should strive for commonality between type 1 and type 2.

10.3.1.9 HARQ

10.3.1.10 DRX

Finalize HARQ RTT configuration aspects and units used for HARQ RTT and DL/UL retx timers

Other issues related to DRX

10.3.1.11 Impact of PDCP duplication on MAC

MAC CE for activation/deactivation of PDCU duplication

Aspects related to fallback to split bearer and handling of RLC/PDCP entities during activation/deactivation should be submitted in AI 10.3.3.5

This AI will not be treated

10.3.1.12 PHR

PHR triggers, reporting, handling, for single and dual connectivity (i.e. without beamforming)

PHR in the presence of beamforming may be down prioritized and treated if RAN1 has made progress and if some input from RAN2 is needed.

10.3.1.13 Other

Other aspects not included in the detailed agenda items.

10.3.2 RLC

10.3.2.1 TS

Latest TS 38.323, rapporteur inputs, etc

Including output from email discussion [99#11][NR UP] – Running draft TS 38.322 – Mediatek

Please provide input to the rapporteur for corrections. Single/combined rapporteur TP is encouraged.

10.3.2.2 RLC header format

Contributions should focus only on critical issues/corrections related to agreed RLC PDU format (e.g. not enhancements)

10.3.2.3 RLC UM operation

Including output from email discussion [99#35][NR UP] Reassembly for RLC UM – Qualcomm

Contributions on how to capture the reassembly other than input from [99#35] are discouraged. Comments should be provided in email discussion. If an alternate TP is proposed, a converged, multi-company TP should be provided.

Other contributions should focus only on critical issues/corrections related to agree functionalities

10.3.2.4 Impact of PDCP duplication to RLC

This AI will not be treated

10.3.2.3 RLC AM operation

Issues related to RLC Polling and Status reporting (max 1 contribution per company for this topic)

Other issues related to transmission/re-transmissions of AMD PDUs

10.3.2.5 Other

Clarify UE requirement on PDCP discard and SN utilization for pre-processing (max 1 contribution per company for this topic)

Other remaining issues for RLC

10.3.3 PDCP

10.3.3.1 TS

Latest TS 38.323, rapporteur inputs, etc

Including output from email discussion [99#12][NR UP] – Running draft TS 38.323 – LG

Please provide input to the rapporteur for corrections. Single/combined rapporteur TP is encouraged.

10.3.3.2 PDCP PDU formats

Contributions should focus only on critical issues/corrections related to agreed RLC PDU format (e.g. not enhancements)

10.3.3.3 PDCP receive operation

Including output from email discussion [99#36][NR UP] Out-of-order delivery in PDCP – LG

Contributions on how to capture the reassembly other than input from [99#36] are discouraged. Comments should be provided in email discussion. If an alternate TP is proposed, a converged, multi-company TP should be provided.

10.3.3.4 UL data split

Capture UE requirements or restriction on bad UE behaviour related to pre-processing (max 1 contribution per company – multi-company proposals encouraged)

10.3.3.5 PDCP duplication

This AI will not be treated

10.3.3.6 Other

10.3.4 SDAP

10.3.4.1 TS

Latest TS 37.324, rapporteur inputs, etc

Including output from email discussion [99#13][NR UP] – Running draft TS 37.324 – Huawei

Please provide input to the rapporteur for corrections. Single/combined rapporteur TP is encouraged.

10.3.4.2 Header Format

Details of header format only (e.g. size of QFI and use of one bit QFI). Progress on some aspects may require SA2 response.

10.3.4.3 Other

QoS flow remapping and handover within the same cell (max 1 contribution per company for this topic)

Other SDAP issues

10.4 Stage 3 control plane

10.4.1 NR RRC

10.4.1.1 TS

Latest TS 38.331, other rapporteur inputs, etc. Please submit any new text proposals to the appropriate agenda item. Note specification methodology has been given a separate AI for RRC.

This agenda item is relevant to EN-DC completion.

10.4.1.2 Specification methodology

This agenda item is relevant to EN-DC completion.

10.4.1.3 Connection control procedures

No documents should be submitted to 10.4.1.3. Please submit to 10.4.1.3.x.

10.4.1.3.1 Connection reconfiguration message structure

Structure and general content of RRCConnectionReconfiguration message. Including the related additions to the LTE RRCConnectionReconfiguration for EN-DC operation.

Including output from email discussion [99#30][NR] RRC Connection Reconfiguration (Ericsson)

This agenda item is relevant to EN-DC completion.

10.4.1.3.2 Connection reconfiguration message - L2 parameters

L2 parameter content of RRCConnectionReconfiguration message.

Including output from email discussion [99#23][NR] L2 Parameters (Huawei)

This agenda item is relevant to EN-DC completion.

10.4.1.3.3 Connection reconfiguration message - L1 parameters

L1 parameter content of RRCConnectionReconfiguration message.

Including output from email discussion [99#22][NR] L1 parameters (Ericsson)

This agenda item is relevant to EN-DC completion.

10.4.1.3.4 Connection control procedures for EN-DCs

Stage 3 details related to SCG SRB, split SRB, etc.

This agenda item is relevant to EN-DC completion.

10.4.1.3.5 Connection control message harmonisation

Harmonisation/merging of messages to be used for different procedures, UE identity and other message content to be used in different cases, etc.

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

Maximum 1 tdoc per company

10.4.1.3.6 Connection control email

Output from email discussion [99#29][NR] Connection Control (Intel)

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

Maximum 1 tdoc per company

10.4.1.3.7 Other (for non EN-DC)

Other aspects of connection control procedures, state transitions, etc that are not relevant for EN-DC (other aspects relevant for EN-DC should be submitted to 10.4.1.3.2)

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.4 RRM measurements

No documents should be submitted to 10.4.1.4. Please submit to 10.4.1.4.x.

10.4.1.4.1 RRM TP

Including output from email discussion [99#32][NR] TP on RRM (Ericsson)

0 tdoc per company (i.e. email discussion output from rapporteur only in this AI)

This agenda item is relevant to EN-DC completion

10.4.1.4.2 Measurement report content

Continue to progress the details of the measurement report content.

This agenda item is relevant to EN-DC completion

Maximum 1 tdoc per company

10.4.1.4.3 Measurement configuration

Continue to progress the details of the measurement report configuration.

Including output from email discussion [99#31][NR] Additional information for SSB and CSI-RS config (Ericsson)

This agenda item is relevant to EN-DC completion

Maximum 1 tdoc per company

10.4.1.4.4 Measurement events

Any additional aspects of measurement events. Potential support for Cx events will be discussed when input has been received from RAN1 on beam management

This agenda item is relevant to EN-DC completion

10.4.1.4.5 Measurement gaps

For initial discussion in RAN2 but may be difficult to progress without input from RAN4.

This agenda item is relevant to EN-DC completion

10.4.1.4.6 Other (for EN-DC)

Other RRM related aspects that are relevant to EN-DC

This agenda item is relevant to EN-DC completion

10.4.1.4.7 Inter-RAT measurements

Inter-RAT E-UTRA measurements for the purpose of inter-RAT handover from NR to E-UTRA

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.4.8 Other (for non EN-DC)

Other RRM related aspects that are not relevant for EN-DC

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.5 Mobility

No documents should be submitted to 10.4.1.5. Please submit to 10.4.1.5.x.

10.4.1.5.1 Beam selection for HO access

Including output from email discussion [99#28][NR] Beam selection for HO access (Intel)

This agenda item is relevant to EN-DC completion.

Maximum 1 tdoc per company

10.4.1.5.2 SCG change for EN-DC

Stage 3 details of SCG change for EN-DC.

This agenda item is relevant to EN-DC completion.

10.4.1.5.3 SCG failure for EN-DC

Stage 3 details for SCF failure for EN-DC, including both the NR and LTE aspects of the procedure.

This agenda item is relevant to EN-DC completion.

10.4.1.6 System information

No documents should be submitted to 10.4.1.6. Please submit to 10.4.1.6.x.

10.4.1.6.1 MIB content

Including confirmation (or otherwise) of working assumption from last meeting, and any further details of the MIB content required for EN-DC operation.

This agenda item is relevant to EN-DC completion

10.4.1.6.2 System information content/structure

Progress details of the content and structure of system information (excluding MIB content covered in AI 10.4.1.5.2)

This agenda item is not relevant to EN-DC completion but will be treated if time allows .

10.4.1.6.3 Stored system information

Further details of stored SI including index/identifier format

This agenda item is not relevant to EN-DC completion but will be treated if time allows.

Maximum 1 tdoc per company

10.4.1.6.4 System information modification

This agenda item is not relevant to EN-DC completion but will be treated if time allows

Maximum 1 tdoc per company

10.4.1.6.5 System information scheduling

This agenda item is not relevant to EN-DC completion and but will be treated if time allows

Maximum 1 tdoc per company

10.4.1.6.6 On demand system information

Including need for additional bit to indicate if SI message is actually being broadcast

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.6.7 System information -other

Other system information related aspects

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting

10.4.1.7 Inactive state

No documents should be submitted to 10.4.1.6. Please submit to 10.4.1.6.x.

10.4.1.7.1 RAN area configuration

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

Maximum 1 tdoc per company

10.4.1.7.2 RAN area update procedure

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

Maximum 1 tdoc per company

10.4.1.7.3 Paging in inactive

RRC procedure to respond to paging, including any differences between RAN and CN paging

This agenda item is not relevant to EN-DC completion but will be treated if time allows

10.4.1.7.4 Inter-RAT mobility between NR Inactive and E-UTRA/5GC Inactive

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.7.5 Security framework for inactive

Security framework for inactive UEs to address FFS arising from email discussion 98#30.

This agenda item is not relevant to EN-DC completion but will be treated if time allows

10.4.1.7.6 Inactive - other

Other inactive state related aspects

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.1.8 Access control

Continue to progress unified access control

This agenda item is not relevant to EN-DC completion but will be treated if time allows

10.4.1.9 Inter-Node RRC messages

Structure and content of the Inter-Node RRC messages used for EN-DC procedures.

This agenda item is relevant to EN-DC completion.

10.4.1.10 Other (non EN-DC)

Other RRC related aspects

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.2 LTE RRC changes for EN-DC

No documents should be submitted to 10.4.2. Please submit to 10.4.2.x.

Note that changes to LTE RRCConnectionReconfiguration for configuring EN-DC will be discussed jointly with NR RRCConnectionReconfiguration in 10.4.1.3.1, and NR and :LTE aspects of SCG failure for EN-DC will be jointly discussed in 10.4.1.5.3.

10.4.2.1 Running CR

This agenda item is relevant to EN-DC completion

10.4.2.2 RRM measurements

Introduction of inter-RAT NR measurements within LTE RRC.

This agenda item is relevant to EN-DC completion.

10.4.2.3 Other

Including the NR indication in LTE system information, etc

This agenda item is relevant to EN-DC completion.

10.4.3 UE capabilities

No documents should be submitted to 10.4.3. Please submit to 10.4.3.x.

10.4.3.1 Decoupling UL/DL bands

Output from email discussion [99#24][NR] Decoupling DL band and UL bands (Intel)

This agenda item is relevant to EN-DC completion and SA.

Maximum 1 tdoc per company

10.4.3.2 UE capability structure

Including output from email discussion [99#25][NR] Capability coordination, Part 1 (Intel)

Including output from email discussion [99#26][NR] Capability coordination, Part 2 (DOCOMO)

This agenda item is relevant to EN-DC completion and SA.

Maximum 1 tdoc per company

10.4.3.3 UE capability coordination

Output from email discussion [99#27][NR] Capability coordination, Part 3 (Nokia)

This agenda item is relevant to EN-DC completion.

Maximum 1 tdoc per company

10.4.3.4 Other aspects for EN-DC

Any other aspect related to UE capabilities relevant for EN-DC

This agenda item is relevant to EN-DC completion.

104.3.5 Temporary capability restriction

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

Maximum 1 tdoc per company

10.4.3.6 Other aspects for non EN-DC

Any other stage 2 aspect related to UE capabilities relevant for non EN-DC cases

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.3.7 TS

Latest 38.306, other rapporteur inputs, anything related to specification methodology.

This agenda item is relevant to EN-DC completion

10.4.4 Idle/inactive mode procedures

10.4.4.1 TS

Latest 38.304, other rapporteur inputs, anything related to specification methodology. Please submit any new text proposals to the appropriate agenda item.

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.4.2 Selection/reselection rules

Basic criteria and rules for cell selection and reselection

Maximum 1 tdoc per company

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.4.3 Cell quality derivation

Derivation of cell quantity from beam measurements (including filtering and FFS points from previous meetings)

Maximum 1 tdoc per company

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.4.4 Service based reselection

Maximum 1 tdoc per company

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.4.5 Selection/reselection - other aspects

Including, for example mobility states, speed dependent scaling, forward compatibility for CSG, cell reservations, etc

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

10.4.4.6 Idle/inactive paging

Including beam related aspects, response driven paging and calculation of paging occasion.

This agenda item is not relevant to EN-DC completion and is not expected to be treated at this meeting.

11 Comebacks

This agenda item will be used during the meeting. No documents are supposed to be submitted by delegates.

11.1 Breakout sessions

11.1.1 Report from Break-Out session

Report from session on Rel-14 and Rel-15 LTE

R2-17xxxxx Report from Break-Out Session, Vice-Chair (CMCC)

✍ CBF: Report from LTE Break-Out Session, Vice-Chair (CMCC)

11.1.2 Report from Break-Out session

Report from session on Rel-13/14 NB-IoT, Rel-13/14 MTC, Rel-15 NB-IoT WIs

R2-17xxxxx Report from Break-Out Session, Session Chair (MediaTek)
✍ CBF: Report from LTE Break-Out Session, Vice-Chair (MediaTek)

11.1.3 Report from Break-Out session

Report from session on Rel-14 LTE and NR UP

R2-17xxxxx Report from Break-Out Session, Vice-Chair (InterDigital)
✍ CBF: Report from LTE Break-Out Session, Session Chair (InterDigital)

11.1.4 Report from Break-Out session

Report from session on Rel-15 MTC

R2-17xxxxx Report from Break-Out Session, Session Chair (Ericsson)
✍ CBF: Report from LTE Break-Out Session, Session Chair (Ericsson)

11.1.5 Report from Break-Out session

Report from session on Rel-15 Positioning WI

R2-17xxxxx Report from Break-Out Session, Session Chair (Huawei)
✍ CBF: Report from LTE Break-Out Session, Session Chair (Huawei)

11.1.6 Report from Break-Out session

Report from session on Rel-15 V2X WI

R2-17xxxxx Report from Break-Out Session, Session Chair (Intel)
✍ CBF: Report from LTE Break-Out Session, Session Chair (Intel)

11.2 Main session

This section contains a temporary list of comebacks (press F9 to update while the cursor is inside the list).

12 Outgoing LSs

Draft LSs should be submitted to their corresponding agenda item if there is one. If there is no appropriate agenda item, draft LSs may be submitted to this agenda item.

13 Any other business

14 Closing of the meeting (17:00)