

3GPP TSG-RAN WG2 Meeting #99bis

Prague, Czech Republic, 9th – 13th October 2017

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.

R2-1710000 Agenda for RAN2#99bis Chairman agenda

2.2 Approval of the report of the previous meeting

R2-1710001 RAN2#99 Meeting Report MCC report

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](#)

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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.

Liaisons to RAN2

[R2-1710006](#) Reply LS on LTE call redirection to GERAN (C1-173752; contact: Nokia) CT1 LS in Rel-15 TEI15 To:RAN2 Cc:SA3, RAN3

[R2-1710028](#) Corrections on antenna switching (R1-1715335; contact: Qualcomm) RAN1 LS in Rel-13 LTE_CA_TDD_FDD-Core To:RAN2, RAN4

[R2-1710042](#) Reply LS on Support of BCS for Fallback Band Combinations (R4-1708768; contact: Samsung) RAN4 LS in Rel-13 LTE_CA_enh-Core To:RAN2

[R2-1710050](#) LS on RAN4 Rel-14 UE Feature List (R4-1709180; contact: Intel) RAN4 LS in Rel-14 TEI14 To:RAN2 Cc:RAN1, RAN3

[R2-1710056](#) LS Seeking clarification on DCI monitoring subframe for eIMTA (R5-175165; contact: Huawei) RAN5 LS in To:RAN2, RAN4

[R2-1710067](#) LS on Paging failures for CE Capable UEs (S2-176685; contact: NTT DOCOMO) SA2 LS in Rel-13 TEI13 To:RAN2, RAN3

[R2-1710245](#) LS on the number of bearers (S2-176693; contact: Telstra) SA2 LS in Rel-15 TEI15

Liaisons to RAN2 with agreements to take into account

[R2-1710027](#) LS on RRC parameters for FeCoMP (R1-1715332; contact: ZTE) RAN1 LS in Rel-15 feCOMP_LTE-Core To:RAN2

[R2-1710243](#) LS on no dedicated bearer support over NB-IoT (S2-176690; contact: MediaTek) SA2 LS in Rel-13 ClOT To:RAN5, RAN2, CT1

Liasons with RAN2 in CC

[R2-1710003](#) Reply LS on request to update maximum data rate values in EPS (C1-173572; contact: Qualcomm) CT1 LS in Rel-15 5GS_Ph1-CT, NR_newRAT-Core To:SA2 Cc:RAN3, CT4, CT3, SA5, SA1, RAN2

[R2-1710043](#) LS on effect of SRS switching in TDD + FDD CA (R4-1708772; contact: Qualcomm) RAN4 LS in Rel-12 To:RAN1 Cc:RAN2

[R2-1710057](#) LS on Restricted Use of Enhanced Coverage (R6-170460; contact: Nokia) RAN6 LS in Rel-14 ClOT_Ext To:CT1 Cc:SA2, RAN2

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](#))

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(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](#))

R2-1710551	UE capabilities for Tx antenna selection	Qualcomm Incorporated	CR	Rel-13	36.331
	13.7.0 3080 - F	LTE_CA_TDD_FDD-Core			
R2-1710552	UE capabilities for Tx antenna selection	Qualcomm Incorporated	CR	Rel-14	36.331
	14.4.0 3081 - A	LTE_CA_TDD_FDD-Core			
R2-1710553	UE capabilities for Tx antenna selection	Qualcomm Incorporated	CR	Rel-13	36.306
	13.7.0 1510 - F	LTE_CA_TDD_FDD-Core			
R2-1710554	UE capabilities for Tx antenna selection	Qualcomm Incorporated	CR	Rel-14	36.306
	14.4.0 1511 - A	LTE_CA_TDD_FDD-Core			
R2-1711276	MIMO spatial multiplexing continuity	Nokia, Nokia Shanghai Bell	CR	Rel-10	
	36.331 10.21.0 3097 - F	TEI10			
R2-1711277	MIMO spatial multiplexing continuity	Nokia, Nokia Shanghai Bell	CR	Rel-11	
	36.331 11.18.0 3098 - A	TEI10			
R2-1711278	MIMO spatial multiplexing continuity	Nokia, Nokia Shanghai Bell	CR	Rel-12	
	36.331 12.15.0 3099 - A	TEI10			
R2-1711279	MIMO spatial multiplexing continuity	Nokia, Nokia Shanghai Bell	CR	Rel-13	
	36.331 13.7.0 3100 - A	TEI10			
R2-1711280	MIMO spatial multiplexing continuity	Nokia, Nokia Shanghai Bell	CR	Rel-14	
	36.331 14.4.0 3101 - A	TEI10			
R2-1711281	UL CA IDC clarification	Nokia, Nokia Shanghai Bell	discussion	SPIA_IDC_LTE-Core	
R2-1711282	Correction to UL CA IDC problem signalling	Nokia, Nokia Shanghai Bell	CR	Rel-	
	13 36.331 13.7.0 3102 - F	SPIA_IDC_LTE-Core			
R2-1711283	Correction to UL CA IDC problem signalling	Nokia, Nokia Shanghai Bell	CR	Rel-	
	14 36.331 14.4.0 3103 - A	SPIA_IDC_LTE-Core			

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)

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R2-1710534	SI accumulation over SI windows	Ericsson	CR	Rel-14	36.331	14.4.0	3078	-
	A LTE_MTCe2_L1-Core							
R2-1710535	SI accumulation over SI windows	Ericsson	CR	Rel-13	36.331	13.7.0	3079	-
	F LTE_MTCe2_L1-Core							
R2-1710645	Email discussion report on [99#40][MTC] UE in CE	Intel Corporation					discussion	Rel-
	13 LTE_MTCe2_L1-Core							
R2-1710646	Clarifications for a UE in coverage enhancement	Intel Corporation	CR	Rel-13				
	36.331 13.7.0 3082 - F LTE_MTCe2_L1-Core							
R2-1710647	Clarifications for a UE in coverage enhancement	Intel Corporation	CR	Rel-14				
	36.331 14.4.0 3083 - A LTE_MTCe2_L1-Core							
R2-1711209	Paging monitoring in RRC_CONNECTED in Rel-13 MTC	Huawei, HiSilicon					discussion	
	Rel-13 LTE_feMTC-Core R2-1709726							
R2-1711210	Corrections on paging monitoring in RRC_CONNECTED in Rel-13 eMTC	Huawei, HiSilicon						
	CR Rel-13 36.331 13.7.0 3045 - F LTE_feMTC-Core R2-1709385							
R2-1711211	Corrections on paging monitoring in RRC_CONNECTED in Rel-13 eMTC	Huawei, HiSilicon						
	CR Rel-14 36.331 14.4.0 3046 - A LTE_feMTC-Core R2-1709386							
R2-1711212	Corrections on paging monitoring in RRC_CONNECTED in Rel-13 eMTC	Huawei, HiSilicon						
	CR Rel-13 36.300 13.9.0 1054 - F LTE_feMTC-Core R2-1709387							
R2-1711213	Corrections on paging monitoring in RRC_CONNECTED in Rel-13 eMTC	Huawei, HiSilicon						
	CR Rel-14 36.300 14.4.0 1055 - A LTE_feMTC-Core R2-1709388							
R2-1711230	Corrections on field description of cellSelectionInfoCE for eMTC	Huawei, HiSilicon, CMCC						
	CR Rel-13 36.331 13.7.0 3095 - F LTE_feMTC-Core							
R2-1711231	Corrections on field description of cellSelectionInfoCE for eMTC	Huawei, HiSilicon, CMCC						
	CR Rel-14 36.331 14.4.0 3096 - A LTE_feMTC-Core							
R2-1711232	Corrections on TS 36.302 for Rel-13 eMTC	Huawei, HiSilicon	CR	Rel-13				
	36.302 13.6.0 0116 - F LTE_feMTC-Core							
R2-1711233	Corrections on TS 36.302 for Rel-13 eMTC	Huawei, HiSilicon	CR	Rel-14				
	36.302 14.3.0 0117 - A LTE_feMTC-Core							
R2-1711456	Paging failure for CE capable UEs	Qualcomm Incorporated	discussion					
R2-1711464	Target cell optional PBCH repetition status indication	Qualcomm Incorporated	CR	Rel-				
	14 36.331 14.4.0 3037 - F LTE_feMTC-Core R2-1709289							
R2-1711511	CE Mode Indication	Qualcomm Incorporated	CR	Rel-14	36.331	14.4.0	3116	-
	F LTE_feMTC-Core							
R2-1711644	Alignment of FGI4 (Short DRX) for Cat M1	Ericsson	CR	Rel-13	36.331	13.7.0	3119	
	- F LTE_MTCe2_L1-Core							
R2-1711645	Alignment of FGI4 (Short DRX) for Cat M1 and M2	Ericsson	CR	Rel-14	36.331			
	14.4.0 3120 - F LTE_MTCe2_L1-Core							
R2-1711660	Correction on starting subframe of MPDCCH repetition for Paging	NTT DOCOMO INC.	CR					
	Rel-13 36.304 13.7.0 0390 - F LTE_MTCe2_L1-Core							
R2-1711661	Correction on starting subframe of MPDCCH repetition for Paging	NTT DOCOMO INC.	CR					
	Rel-14 36.304 14.4.0 0391 - A LTE_MTCe2_L1-Core							

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

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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](#))

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(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)

R2-1711444	Define requirement for reception of number of simultaneous SC-PTM services	Qualcomm Incorporated	CR	Rel-13	36.331	13.7.0	3106	-	F	LTE_SC_PTM-Core
R2-1711453	Define requirement for reception of number of simultaneous SC-PTM services	Qualcomm Incorporated	CR	Rel-14	36.331	14.4.0	3108	-	A	LTE_SC_PTM-Core
R2-1711467	Clarification on csi-RS-ConfigNZPId	Qualcomm Korea	CR	Rel-13	36.331	13.7.0	3111	-	F	LTE_EBF_FDMIMO-Core
R2-1711471	Clarification on csi-RS-ConfigNZPId	Qualcomm Korea	CR	Rel-14	36.331	14.4.0	3112	-	A	LTE_EBF_FDMIMO-Core
R2-1711621	Discussion on SFN mismatch issue	NTT DOCOMO INC.	discussion							LTE_extDRX-Core
R2-1711671	Paging failure for CE mode capable UE	NTT DOCOMO INC.	discussion							TEI13

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

R2-1711662	Correction to eLAA reconfiguration	HTC Corporation	CR	Rel-14	36.331	14.4.0	3121	-	F	LTE_eLAA-Core
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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

R2-1711473	Clarification on srs-UpPtsAdd in SRS coverage enhancement	Intel Corporation	CR	Rel-14	36.331	14.4.0	3114	-	F	LTE_feMTC-Core
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8.2.1 User plane

8.2.2 Control plane

8.3 Void

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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.

Field Code Changed

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

Field Code Changed

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

Field Code Changed

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

Field Code Changed

8.9 Void

8.10 WI: eMBMS enhancements for LTE

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

This agenda item is for correction CRs to the closed WI

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

Field Code Changed

R2-1710038 LS on MBSFN RSRP/RSRQ measurement mapping for FeMBMS (R4-1708663; contact: Qualcomm) RAN4 LS in Rel-14 MBMS_LTE_enh2-Core To:RAN2, RAN4
R2-1711611 MBSFN RSRP/RSRQ measurement mapping for FeMBMS Qualcomm Incorporated CR Rel-14 36.331 14.4.0 3118 - F MBMS_LTE_enh2-Core
R2-1711617 Reference Signals for MBSFN with 1.25kHz and 7.5kHz sub-carrier spacing Qualcomm Incorporated CR Rel-14 36.300 14.4.0 1069 - F MBMS_LTE_enh2-Core

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

Field Code Changed

R2-1710064 Reply LS on Solution 9 (Option 2) for CN overload control for CP data (S2-176130; contact: Qualcomm) SA2 LS in Rel-14 Clot_Ext To:RAN4, RAN2 Cc:RAN1, RAN3
R2-1710733 Interference Randomisation in NB-IoT Ericsson discussion Rel-14 NB_IOTenh-Core
R2-1710734 Clarification on Interference Randomisation in NB-IoT in 36.331 Ericsson, Qualcomm Incorporated CR Rel-14 36.331 14.4.0 3090 - F NB_IOTenh-Core
R2-1710747 Open issue RAI Ericsson discussion Rel-14 NB_IOTenh-Core
R2-1710748 Removal of FFS for RAI in 36.321 Ericsson CR Rel-14 36.321 14.4.0 1186 - F NB_IOTenh-Core
R2-1711335 Clarification on carrier index in PDCCH order Huawei, HiSilicon CR Rel-14 36.321 14.4.0 1188 - F NB_IOTenh-Core

R2-1711472 Correction to UE-Capability-NB extension Sequans Communications CR Rel-14
36.331 14.4.0 3113 - F NB_IOTenh-Core

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

Field Code Changed

R2-1711362 Correction of reference for kPICH value Ericsson India Private Limited CR Rel-14
36.321 14.4.0 1189 - F LTE_feMTC-Core

8.12.1 Multicast for feMTC and eNB-IoT

R2-1711224 Correction on downlink reception type combination for SC-PTM in feMTC Huawei, HiSilicon
CR Rel-14 36.302 14.3.0 0115 - F LTE_feMTC-Core

R2-1711226 Correction on TS 36.331 for feMTC and NB-IoT Huawei, HiSilicon CR Rel-14
36.331 14.4.0 3094 - F LTE_feMTC-Core, NB_IOTenh-Core

8.12.2 Other

R2-1710893 Extension of mac-ContentionResolutionTimer for FeMTC Nokia, Nokia Shanghai Bell CR
Rel-14 36.331 14.4.0 3089 - F LTE_feMTC-Core

R2-1711225 Minor correction on the IE of pusch-EnhancementsConfig in feMTC Huawei, HiSilicon
CR Rel-14 36.321 14.4.0 1187 - F LTE_MTCe2_L1-Core

R2-1711227 Correction on TS 36.300 for feMTC Huawei, HiSilicon CR Rel-14 36.300
14.4.0 1066 - F LTE_MTCe2_L1-Core

R2-1711228 Discussion on the correction in TS 36.355 for feMTC Huawei, HiSilicon discussion
Rel-14 LTE_MTCe2_L1-Core

R2-1711229 Corrections on TS 36.355 for feMTC Huawei, HiSilicon CR Rel-14 36.355
14.3.0 0187 - F LTE_MTCe2_L1-Core

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

Field Code Changed

R2-1710063 Reply LS on mapping between service types and V2X frequencies (S2-174064; contact: Huawei)
SA2 LS in Rel-14 V2XARC To:RAN2, CT1

8.13.1 Stage 2

R2-1710098 Corrections to V2X in TS 36.300 Huawei, HiSilicon CR Rel-14 36.300 14.4.0 1062
- F LTE_V2X-Core

R2-1710099 Correction to V2X descriptions in TS 36.302 Huawei, HiSilicon CR Rel-14
36.302 14.3.0 0114 - F LTE_V2X-Core

R2-1711492 Clarification to Mapping Between Service Types and V2X Frequencies Ericsson CR
Rel-14 36.300 14.4.0 1067 - F LTE_V2X-Core

8.13.2 User plane

R2-1711687 Corrections to V2X functionality LG Electronics Inc. CR Rel-14 36.321 14.4.0 1190
- F LTE_V2X-Core

8.13.3 Control plane

R2-1710100	Correction to inter-frequency reception for V2X sidelink communication CR Rel-14 36.331 14.4.0 3072 - F LTE_V2X-Core	Huawei, HiSilicon
R2-1710153	CR on SIB21 reading OPPO, Qualcomm Incorporated CR - F LTE_V2X-Core	Rel-14 36.331 14.4.0 3073
R2-1710686	Transmission of P2X sidelink communication in Exceptional Pool Rel-14 36.331 14.4.0 3084 - F LTE_V2X-Core	Qualcomm Incorporated CR
R2-1710687	Correction on SubframeBitmap Configuration in Band 47 14 36.331 14.4.0 3085 - F LTE_V2X-Core	Qualcomm Incorporated CR Rel-
R2-1710688	UE behavior for using provisioned ITS carrier LTE_V2X-Core	Qualcomm Incorporated discussion
R2-1710689	Correction on transmission of V2X sidelink communication in provisioned frequency Qualcomm Incorporated CR Rel-14 36.331 14.4.0 3086 - F LTE_V2X-Core	
R2-1711448	Correction to UE capabilities 14.4.0 3107 - F LTE_V2X-Core	Nokia, Nokia Shanghai Bell CR Rel-14 36.331

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

R2-1710891	Correction on SRS switching capabilities field description							Qualcomm Incorporated	CR	Rel-15
14	36.331	14.4.0	3088	-	F	LTE SRS switch				

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

R2-1711466	Signaling of NCSG Support for Inter-F Measurement	Qualcomm Korea	CR	Rel-
14	36.331 14.4.0 3110 - B	LTE meas gap enh-Core		

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](#)

Field Code Changed

Field Code Changed

Field Code Changed

Field Code Changed

Field Code Changed

Field Code Changed

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

R2-1710041 Reply LS reply on TM10 / FD-MIMO UE capability signalling (R4-1708730; contact: Intel) RAN4
LS in Rel-14 LTE_EBF_FDMIMO-Core To:RAN2 Cc:RAN1

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

R2-1710040 Reply LS on LTE Rel-14 UE feature list for MUST (R4-1708704; contact: MediaTek) RAN4
LS in Rel-14 LTE_MUST To:RAN2 Cc:RAN1

R2-1710986 MUST capability MediaTek Inc. CR Rel-14 36.331 14.4.0 3091 - F
LTE_MUST-Core

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](#))

R2-1711512 UE capability, retrieval of fallback combinations Samsung Telecommunications CR Rel-
14 36.331 14.4.0 3117 - F LTE_CA_enh_b5C-Core, TEI14

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)

R2-1710246 Introduction of DL 2Gbps Category Qualcomm IncorporatedCR Rel-14 36.331
14.4.0 3071 - B TEI14 RP-171822

R2-1710247 Introduction of DL 2Gbps Category Qualcomm IncorporatedCR Rel-14 36.306
14.4.0 1508 - B TEI14 RP-171823

R2-1710555 Introduction of the overheating indication Huawei Device, Huawei, HiSilicon, ICom, Nokia,
Nokia Shanghai Bell CR Rel-14 36.300 14.4.0 1048 - B TEI14 R2-
1709908

R2-1710556 Introduction of the UE capability for overheating indication Huawei Device, Huawei, HiSilicon,
ICom, Nokia, Nokia Shanghai Bell CR Rel-14 36.306 14.4.0 1490 - B
TEI14 R2-1709909

Field Code Changed

Field Code Changed

Field Code Changed

R2-1710558	Introduction of the overheating indication	Huawei Device, Huawei, HiSilicon, IPCom	CR
	Rel-14 36.331 14.4.0 2982 - B TEI14 R2-1709910		
R2-1710559	Report of email discussion [99#20][LTE/TEI14] Overheating	Huawei discussion	Rel-
	14 TEI14		
R2-1710752	Prohibit timer for the overheating solution	LG Electronics Mobile Research discussion	TEI14
	R2-1708752		
R2-1710993	Restructuring of CQI-ReportConfig (email discussion 99#21)	Nokia, Nokia Shanghai Bell	
	CR Rel-14 36.331 14.4.0 2968 - F TEI14 R2-1709813		
R2-1711162	Correction on the dataInactivityTimer operation	LG Electronics Inc. discussion	Rel-
	14 TEI14		
R2-1711186	36331_CR(3092)_(Rel-14)_R2-1711186_Correction on the DataInactivityTimer operation		
	(Option1) LG Electronics UK CR Rel-14 36.331 14.4.0 3092 - F TEI14		
R2-1711206	36331_CR(3093)_(Rel-14)_R2-1711206_Correction on the DataInactivityTimer operation		
	(Option2) LG Electronics UK CR Rel-14 36.331 14.4.0 3093 - F TEI14		
R2-1711475	Clarification on LPP Message size due to limitations at the lower layers	Intel Corporation	
	CR Rel-14 36.305 14.3.0 0071 - F LCS_LTE		
R2-1711537	Remaining issues for UE overheating feature	Ericsson discussion	Rel-14 TEI14
R2-1711538	BCS and fallback band combinations	Ericsson discussion	Rel-14 TEI14
R2-1711559	Deliver stored PDCP SDUs for LWA bearer with RLC UM at PDCP re-establishment	LG	
	Electronics France CR Rel-14 36.323 14.4.0 0203 - F		
	LTE_WLAN_aggr-Core		
R2-1711562	Clarification on Explicit Congestion Notification (ECN)	Qualcomm Incorporated CR	Rel-
	14 36.300 14.4.0 1068 - F TEI14		

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-170295](#))

Time budget: 1TU

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

Field Code Changed

R2-1710546	Evaluations of the assumptions from SA2 (S2-176444)	Huawei, HiSilicon, Intel discussion	
	Rel-15		
R2-1710547	Clarification that bearers are distinguished by LCID on PC5	Huawei, HiSilicon	CR
	Rel-15 36.746 15.0.0 0001 - F FS_feD2D_IoT_relay_wearable		
R2-1710548	DRAFT Reply LS on FS_REAR study outcome	Huawei discussion	Rel-15
	FS_feD2D_IoT_relay_wearable		
R2-1710549	Introduction of PDCP in layer 2 relaying protocol stacks	Huawei, HiSilicon	CR Rel-
	15 36.746 15.0.0 0002 - F FS_feD2D_IoT_relay_wearable		
R2-1710550	Why Is PC5 PDCP Missing from L2 Relaying Radio Protocol Stack?	Huawei, HiSilicon	
	discussion Rel-15 FS_feD2D_IoT_relay_wearable		
R2-1711017	Discussion on SA2 assumption of feD2D	ZTE Corporation discussion	
	FS_feD2D_IoT_relay_wearable		
R2-1711449	Discussion on SA2 assumptions	Nokia, Nokia Shanghai Bell discussion	Rel-15
	FS_feD2D_IoT_relay_wearable		
R2-1711573	Consideration on Service continuity for feD2D	ITL discussion	Rel-15
R2-1711692	Consideration on key issues from SA2	LG Electronics Inc. discussion	Rel-15
	FS_feD2D_IoT_relay_wearable		

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](#))

Field Code Changed

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

R2-1710007	LS on UE capability signalling for sTTI configurations (R1-1714764; contact: Intel)	RAN1	LS in	Rel-15	LTE_sTTIandPT	To:RAN4	Cc:RAN2		
R2-1710008	LS on Stage 2 description of short TTI and short processing time (R1-1714768; contact: Ericsson)	RAN1	LS in	Rel-15	LTE_sTTIandPT	To:RAN2			
R2-1710016	Reply LS on short processing time and short TTI (R1-1715280; contact: Ericsson)	RAN1	LS in	Rel-15	LTE_sTTIandPT	To:RAN2			
R2-1710396	MAC impact of HARQ process sharing between TTI and sTTI discussion	Rel-15	LTE_sTTIandPT-Core	Huawei, HiSilicon					
R2-1710397	SR failure handling for sTTI	Huawei, HiSilicon	discussion	Rel-15	LTE_sTTIandPT-Core				
R2-1710398	Remaining issues on SR configuration for sTTI	15	LTE_sTTIandPT-Core	Huawei, HiSilicon	discussion	Rel-			
R2-1710399	Handling of SR configurations for CA case in sTTI	15	LTE_sTTIandPT-Core	Huawei, HiSilicon	discussion	Rel-			
R2-1710400	Handling of MAC CE Priority Handling in sTTI	15	LTE_sTTIandPT-Core	Huawei, HiSilicon	discussion	Rel-			
R2-1710401	Impacts of sTTI on L2 Timers	Huawei, HiSilicon	discussion	Rel-15	LTE_sTTIandPT-Core				
R2-1710402	HARQ Process ID Calculation to support SPS for sTTI	Rel-15	LTE_sTTIandPT-Core	Huawei, HiSilicon	discussion				
R2-1710403	Running CR for SPS in sTTI TS 36.331	14.4.0	3075 - B	Huawei, HiSilicon	CR	Rel-15	36.331		
R2-1710404	Running CR for SPS in sTTI TS 36.321	14.4.0	1185 - B	Huawei, HiSilicon	CR	Rel-15	36.321		
R2-1710490	HARQ process handling with different TTIs lengths	Ericsson	discussion	Rel-15	LTE_sTTIandPT				
R2-1710491	Impact of sTTI on L2 timers	Ericsson	discussion	Rel-15	LTE_sTTIandPT				
R2-1710492	Remaining issues of sTTI and SPS	Ericsson	discussion	Rel-15	LTE_sTTIandPT				
R2-1710493	SR and BSR	Ericsson	discussion	Rel-15	LTE_sTTIandPT				
R2-1710494	Scheduling Requests with short TTI	Ericsson	draftCR	Rel-15	36.321	14.4.0	B		
R2-1710495	Running CR for introduction of shortened TTI and processing time for LTE	Ericsson	draftCR	Rel-15	36.300	14.4.0	B		
R2-1710496	Running CR for introduction of shortened TTI and processing time for LTE	Ericsson	draftCR	Rel-15	36.302	14.3.0	B		
R2-1710497	Running CR for introduction of shortened TTI and processing time for LTE	Ericsson	draftCR	Rel-15	36.306	14.4.0	B		
R2-1710498	Running CR for introduction of shortened TTI and processing time for LTE	Ericsson	draftCR	Rel-15	36.321	14.4.0	B		
R2-1710499	Running CR for introduction of shortened TTI and processing time for LTE	Ericsson	draftCR	Rel-15	36.331	14.4.0	B		
R2-1710500	sPUCCH Utilization Strategy	Ericsson	discussion	Rel-15	LTE_sTTIandPT				
R2-1710754	Separated SR_COUNTER and sr-ProhibitTimer	LG Electronics	Mobile Research	discussion	LTE_sTTIandPT-Core				

R2-1710815	SR procedure for sTTI LTE_sTTIandPT	Nokia, Nokia Shanghai Bell	discussion	Rel-15
R2-1711525	Modelling of sTTI in MAC LTE_sTTIandPT	Ericsson India Private Limited	discussion	Rel-15
R2-1711586	Remaining Issues on SR and BSR for short TTI Qualcomm Incorporated discussion			

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

Field Code Changed

9.4.1 General

(work plan and TR skeleton)

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

R2-1710009	LS on TP for key performance indicator, identified problem, evaluation assumptions, channel modelling, and evaluation results (R1-1714860; contact: Ericsson)	RAN1	LS in	Rel-15
	FS_LTE_Aerial To:RAN2			
R2-1710022	LS on TP for remaining evaluation assumptions and channel modelling (R1-1715303; contact: Ericsson)	RAN1	LS in	Rel-15
	FS_LTE_Aerial To:RAN2			
R2-1711737	TR 36.777 v030 NTT DOCOMO INC. draft TR		Rel-15	36.777 0.3.0
	FS_LTE_Aerial			

9.4.2 Requirements and parameter identification

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

R2-1711073	On the requirements of connectivity services for drones	Ericsson	discussion	Rel-15
	FS_LTE_Aerial			

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)

R2-1710405	Interference Detection for Drones Huawei, HiSilicon	discussion	Rel-15
	FS_LTE_Aerial		
R2-1710665	Detection of UAV interference InterDigital	discussion	Rel-15
	FS_LTE_Aerial R2-1708734		
R2-1710799	Network-based UL interference detection for Aerials	Kyocera, KDDI, KT Corp	
	discussion		
R2-1711374	Discussion for potential measurement enhancements for aerial UE Lenovo, Motorola Mobility		
	discussion Rel-15 FS_LTE_Aerial R2-1708973		
R2-1711378	Enhanced Measurement according to Interference Level	LG Electronics Finland	discussion
	Rel-15 FS_LTE_Aerial		
R2-1711528	Potential enhancements for UAV interference problem	Ericsson	discussion
	Rel-15 FS_LTE_Aerial		
R2-1711738	Summary of email discussion [99#37][LTE/UAV] DL and UL Interference detection	NTT DOCOMO INC.	discussion
	Rel-15		

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)

R2-1710406	Discussion on Virtual drone cell FS_LTE_Aerial	Huawei, HiSilicon	discussion	Rel-15
R2-1710407	Simulation Results of Mobility Issues for Drones FS_LTE_Aerial	Huawei, HiSilicon	discussion	Rel-15
R2-1710409	Potential enhancements for drones in idle state FS_LTE_Aerial R2-1708542	Huawei, HiSilicon	discussion	Rel-15
R2-1710796	Considerations for cell selection and reselection with UAVs discussion	Kyocera, KDDI, KT Corp		
R2-1710887	Field trial results on handover performance for aerial vehicles discussion	Qualcomm Incorporated		
R2-1710890	Handover performance results for aerial vehicles FS_LTE_Aerial	Qualcomm Incorporated	discussion	Rel-15
R2-1711027	Discussion on measurement for Aerial Vehicles handover FS_LTE_Aerial	Sony	discussion	Rel-15
R2-1711074	Mobility Simulations of Aerial Ues FS_LTE_Aerial	Ericsson	discussion	Rel-15
R2-1711376	Handover Failure Handling of Aerial UE FS_LTE_Aerial R2-1709462	LG Electronics Inc.	discussion	Rel-15
R2-1711377	Consideration for potential mobility enhancement for aerial UE discussion	Lenovo, Motorola Mobility		
R2-1711379	Discussion for status management for aerial UE Rel-15 FS_LTE_Aerial	Lenovo, Motorola Mobility	discussion	
R2-1711408	Measurement report mechanism for Drones FS_LTE_Aerial R2-1708545	Huawei, HiSilicon	discussion	Rel-15
R2-1711445	Potential mobility enhancements for UAVs FS_LTE_Aerial R2-1708667	Nokia, Nokia Shanghai Bell	discussion	Rel-15
R2-1711462	Mobility enhancements for Aerial vehicles – finite buffer scenario results Shanghai Bell discussion	Nokia, Nokia		
R2-1711463	Mobility enhancements for Aerial vehicles – full buffer scenario results Shanghai Bell discussion	Nokia, Nokia		
R2-1711825	Mobility Performance for UAV UE FS_LTE_Aerial	NTT DOCOMO, INC	discussion	Rel-15

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)

R2-1710408	Identification of Air-borne UE FS_LTE_Aerial	Huawei, HiSilicon	discussion	Rel-15
R2-1711026	Discussion on identification and certification of Aerial Vehicles FS_LTE_Aerial R2-1709517	Sony	discussion	Rel-15
R2-1711075	Identify certification for drones	Ericsson	discussion	Rel-15
R2-1711380	Consideration for identification issues for drone UE discussion	Lenovo, Motorola Mobility		
R2-1711446	Air-borne UE identification mechanism FS_LTE_Aerial	Nokia, Nokia Shanghai Bell	discussion	Rel-15
R2-1711447	TP on air-borne UE identification mechanism Rel-15 FS_LTE_Aerial	Nokia, Nokia Shanghai Bell	discussion	

9.4.6 Others

R2-1711375 Aerial Traffic Handling using Positioning Identification LG Electronics Inc. discussion
Rel-15 FS_LTE_Aerial R2-1709460

R2-1711739 UAV Field Trial Result NTT DOCOMO INC. discussion FS_LTE_Aerial

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.

Field Code Changed

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: Mar. 17; target: Dec. 17: WID: [RP-170956](#))
Time budget: 0.5 TU

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

Field Code Changed

R2-1711286 Introduction of QoE Measurement Collection for LTE (CP based) Nokia, Nokia Shanghai Bell
CR Rel-15 36.331 14.4.0 3104 - B LTE_QMC_Streaming

R2-1711287 Introduction of QoE Measurement Collection for LTE Nokia, Nokia Shanghai Bell CR
Rel-15 36.331 14.4.0 3105 - B LTE_QMC_Streaming

R2-1711688 Detailed analysis of LTE QMC CP solution 4 and 5Nokia, Nokia Shanghai Bell discussion
Rel-15 36.331 LTE_QMC_Streaming

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)

R2-1710505 Solution enhancement for QoE Measurements Ericsson discussion Rel-15
LTE_QMC_Streaming

R2-1710506 Start and stop of QoE Measurements Ericsson discussion Rel-15
LTE_QMC_Streaming

R2-1710708 Summary on [99#39][LTE/QMC] RAN controlled CP based solutionHuawei discussion Rel-
15 LTE_QMC_Streaming-Core

R2-1710709 Discussion on CP solution for QMC Huawei, HiSilicon discussion Rel-15
LTE_QMC_Streaming-Core

R2-1710710 Introduction of QoE Measurement Collection for LTE Huawei, HiSilicon CR Rel-
15 36.300 14.4.0 1063 - B LTE_QMC_Streaming-Core

R2-1710711 Introduction of QoE Measurement Collection for LTE Huawei, HiSilicon CR Rel-
15 36.306 14.4.0 1512 - B LTE_QMC_Streaming-Core

R2-1710712 Introduction of QoE Measurement Collection for LTE Huawei, HiSilicon CR Rel-
15 36.331 14.4.0 3087 - B LTE_QMC_Streaming-Core

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.

Field Code Changed

9.7.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

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

[R2-1710002](#) Reply LS to Supported features by 5GC for E-UTRA connected to 5G CN (C1-173571; contact: Huawei) CT1 LS in Rel-15 5GS_Ph1-CT, NR_newRAT-Core To:SA2, RAN2 Cc:SA, SA1, SA5, RAN, RAN3

Field Code Changed

R2-1710002 Reply LS to Supported features by 5GC for E-UTRA connected to 5G CN (C1-173571; contact: Huawei) CT1 LS in Rel-15 5GS_Ph1-CT, NR_newRAT-Core

R2-1711105 Work plan on LTE_5GCN_connect Huawei, Ericsson Work Plan Rel-15

R2-1711106 Further discussion on how to specific E-UTRA connected to 5GC Huawei, HiSilicon discussion Rel-15 LTE_5GCN_connect-Core

R2-1711107 Running 36.300 CR for LTE connectivity to 5GCN (Option1) Huawei CR Rel-15 36.300 14.4.0 1064 - B LTE_5GCN_connect-Core Withdrawn

R2-1711108 Running 36.300 CR for LTE connectivity to 5GCN (Option2) Huawei CR Rel-15 36.300 14.4.0 1065 - B LTE_5GCN_connect-Core Withdrawn

R2-1711583 Running 36.300 CR for LTE connectivity to 5GCN (Option1) Huawei draftCR Rel-15 36.300 14.4.0 B LTE_5GCN_connect-Core

R2-1711584 Running 36.300 CR for LTE connectivity to 5GCN (Option2) Huawei draftCR Rel-15 36.300 14.4.0 B LTE_5GCN_connect-Core

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.

R2-1710155 Draft LS on AS Security Aspects of LTE connectivity to 5G-CN Qualcomm India Pvt Ltd LS out Rel-15 LTE_5GCN_connect-Core

R2-1710157 Preventing Legacy LTE UEs from camping on eLTE Cells & PLMNs connected to New 5G Core Network only Qualcomm India Pvt Ltd discussion Rel-15 LTE_5GCN_connect-Core R2-1707786

R2-1710159 Access Stratum Security aspects of E-UTRAN connected to 5GCN Qualcomm India Pvt Ltd discussion Rel-15 LTE_5GCN_connect-Core

R2-1710160 Type of PDCP Protocol Adoption for E-UTRAN connected to 5GCN Qualcomm India Pvt Ltd discussion Rel-15 LTE_5GCN_connect-Core

R2-1710175 Discussion on UE preference and CN Type Determination OPPO discussion

R2-1710176 Discussion on CN type based Cell Barring in eLTE OPPO discussion

R2-1710177 Discussion on ANR support in eLTE OPPO discussion

R2-1710182 Discussion on UE preference and CN Selection OPPO discussion R2-1710175

R2-1710183 Discussion on ANR Functionality for eLTE OPPO discussion R2-1710177

R2-1710184 Security aspects of supporting LTE connected to 5GC Ericsson discussion Rel-15 LTE_5GCN_connect-Core R2-1707790

R2-1710185 Draft LS to SA3 on security aspects Ericsson LS out Rel-15 LTE_5GCN_connect-Core R2-1707791

R2-1710186	QoS for LTE connected to 5GC Core R2-1707792	Ericsson	discussion	Rel-15	LTE_5GCN_connect-Core
R2-1710187	Inactive state in LTE	Ericsson	discussion	Rel-15	LTE_5GCN_connect-Core
R2-1710188	Barring legacy UEs from 5GC only cells LTE_5GCN_connect-Core	Ericsson	discussion	Rel-15	
R2-1710190	IDLE/INACTIVE mobility to GERAN/UTRAN/CDMA2000 15 LTE_5GCN_connect-Core R2-1707797	Ericsson	discussion	Rel-	
R2-1710191	Message 3.5 in LTE connected to 5GC LTE_5GCN_connect-Core R2-1707840	Ericsson	discussion	Rel-15	
R2-1710192	NR PDCP for SRBs	Ericsson	discussion	Rel-15	LTE_5GCN_connect-Core
R2-1710193	UE network identifier impacts on LTE connected to 5GC 15 LTE_5GCN_connect-Core	Ericsson	discussion	Rel-	
R2-1710194	Draft LS on UE network identifiers	Ericsson	LS out	Rel-15	NR_newRAT-Core
R2-1710201	Discussion on Cell Barring Mechanism for eLTE	OPPO	discussion	R2-1710176	
R2-1710305	Further Consideration on CN Type Selection LTE_5GCN_connect-Core	CATT	discussion	Rel-15	
R2-1710338	RRC Inactive State aspects for E-UTRAN connected to 5GCN discussion Rel-15 LTE_5GCN_connect, LTE_5GCN_connect-Core	Qualcomm India Pvt Ltd	Withdrawn		
R2-1710376	CN Type Modification	Spreadtrum Communications	discussion	Rel-15	R2-1707975
R2-1710420	Multi-PLMN aspects of E-UTRA cell connected to 5GC discussion Rel-15	ZTE Corporation, Sane Chips			
R2-1710421	Consideration on mobility for E-UTRA connected to 5GC discussion Rel-15	ZTE Corporation, Sane Chips			
R2-1710620	CN type change and PDCP for E-UTRA connected to 5GC Rel-15 LTE_5GCN_connect-Core	Intel Corporation	discussion		
R2-1710692	Considerations on LTE connectivity to 5G-CN LTE_5GCN_connect-Core R2-1707785	Qualcomm India Pvt Ltd	discussion		
R2-1710789	Further considerations on the CN selection for E-UTRAN connected to 5G CN discussion Rel-15 LTE_5GCN_connect-Core	Samsung			
R2-1710790	CN type indication for E-UTRAN connected to 5G CN 15 LTE_5GCN_connect-Core	Samsung	discussion	Rel-	
R2-1710949	Mobility issue in LTE connected to NextGen Core Core R2-1708436	vivo	discussion	Rel-15	NR_newRAT-Core
R2-1710950	CN selection for LTE connected to 5GC	vivo	discussion	Rel-15	NR_newRAT-Core
R2-1710951	Consideration on SRB configuration in eLTE Core	vivo	discussion	Rel-15	NR_newRAT-Core
R2-1710994	Capturing LTE connected to 5GC in TS36.300 Rel-15 LTE_5GCN_connect-Core	Nokia, Nokia Shanghai Bell	discussion		
R2-1711024	Handover involving EPC and 5GC Sony R2-1709516		discussion	Rel-15	LTE_5GCN_connect-Core
R2-1711109	Handling on E-UTRA cell where some PLMNs only have access to 5GC discussion Rel-15 LTE_5GCN_connect-Core	Huawei, HiSilicon			
R2-1711110	NR PDCP for SRB for UE accessing 5GC via ng-eNB Rel-15 LTE_5GCN_connect-Core	Huawei, HiSilicon	discussion		
R2-1711111	Support of 5GS security in E-UTRA connected to 5GC Rel-15 LTE_5GCN_connect-Core R2-1708403	Huawei, HiSilicon	discussion		
R2-1711112	Discussion on mobility scenario for E-UTRA connected to 5GC discussion Rel-15 LTE_5GCN_connect-Core R2-1708398	Huawei, HiSilicon			
R2-1711113	Flow based QoS for E-UTRA connected to 5GC 15 LTE_5GCN_connect-Core	Huawei, HiSilicon	discussion	Rel-	
R2-1711114	Assistant information to perform CN selection 15 LTE_5GCN_connect-Core	Huawei, HiSilicon	discussion	Rel-	

R2-1711122 RRC procedures for LTE connectivity to 5G-CN LG Electronics France discussion Rel-15 LTE_5GCN_connect-Core

R2-1711127 Support for PLMN selection while in INACTIVE state in eLTE LG Electronics Inc. discussion Rel-15 LTE_5GCN_connect-Core R2-1709112

R2-1711145 INACTIVE state in eLTE LG Electronics Inc. discussion Rel-15 LTE_5GCN_connect-Core R2-1709106

R2-1711157 Assistance information delivery for E-UTRA connected to 5GC LG Electronics Inc. discussion Rel-15 LTE_5GCN_connect

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

Field Code Changed

9.8.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

R2-1710023 LS on RAN1 agreements on UE GNSS carrier phase measurement (R1-1715306; contact: Nokia) RAN1 LS in Rel-15 UTRA_LTE_iPos_enh2 To:RAN2 Cc:RAN4, RAN5

R2-1711312 [DRAFT] Reply LS on encrypting broadcasted positioning data Huawei, HiSilicon LS out Rel-15 LCS_LTE_acc_enh-Core

R2-1711582 Updated work plan for UE Positioning Accuracy Enhancements for LTE work item Nokia, Nokia Shanghai Bell discussion Rel-15 LCS_LTE_acc_enh-Core

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)

R2-1710536 GNSS positioning enhancements: ways forward to support SSR concept in Release 15 ESA discussion Rel-15 LCS_LTE_acc_enh-Core

R2-1710537 GNSS positioning enhancements: detailed description of SSR messages for multi GNSS PPP ESA discussion Rel-15 LCS_LTE_acc_enh-Core

R2-1711031 Running LPP CR for RTK GNSS positioning Qualcomm Incorporated draftCR Rel-15 36.355 14.3.0 B LCS_LTE_acc_enh-Core

R2-1711291 Addition of new IE to support UE-assisted RTK-GNSS measurements Ericsson CR Rel-15 36.355 14.3.0 0188 - B LCS_LTE_acc_enh-Core

R2-1711311 Email discussion on RTK assistance data encoding Huawei discussion Rel-15 LCS_LTE_acc_enh-Core

R2-1711313 Discussion on unicast RTK positioning Huawei, HiSilicon discussion Rel-15 LCS_LTE_acc_enh-Core

R2-1711314 Introduction of one container for RTK assistance data transmission Huawei, HiSilicon draftCR Rel-15 36.355 14.3.0 B LCS_LTE_acc_enh-Core

R2-1711315 Introduction of two containers for RTK assistance data transmission Huawei, HiSilicon draftCR Rel-15 36.355 14.3.0 B LCS_LTE_acc_enh-Core

R2-1711813 GNSS positioning enhancements: ways forward to support SSR concept in Release 15 ESA discussion Rel-15 LCS_LTE_acc_enh-Core Withdrawn

R2-1711814 GNSS positioning enhancements: detailed description of SSR messages for multi GNSS PPP ESA discussion Rel-15 LCS_LTE_acc_enh-Core Withdrawn

9.8.3 Support for IMU positioning

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

R2-1710073	Introduction of IMU Positioning LCS_LTE_acc_enh-Core	ZTE Corporation	draftCR Rel-15 36.305 14.3.0 B	
R2-1710075	Discussion on IMU positioning	ZTE Corporation	discussion	
R2-1710640	Considerations for supporting IMU based positioning	Fraunhofer IIS	discussion	Rel-15
R2-1711034	Mitigating Movement of a UE during Positioning using IMUs discussion	Qualcomm Incorporated		
R2-1711476	IMU Sensor based positioning LCS_LTE_acc_enh-Core	Intel Corporation, Ericsson, Sony	discussion	Rel-15

9.8.4 UE-based OTDOA positioning

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

R2-1710071	Discussion on UE-based OTDOA positioning	ZTE Corporation	discussion	
R2-1711036	Introduction of UE-Based OTDOA Positioning LCS_LTE_acc_enh-Core	Qualcomm Incorporated	discussion	Rel-15
R2-1711038	Draft CR 36.305: Introduction of UE-based OTDOA Positioning draftCR Rel-15 36.355 14.3.0 B	Qualcomm Incorporated		R2-1708523
R2-1711316	Discussion on OTDOA positioning Huawei, HiSilicon LCS_LTE_acc_enh-Core	discussion	Rel-15	
R2-1711689	Consideration on UE-based OTDOA positioning LCS_LTE_acc_enh-Core	LG Electronics Inc.	discussion	Rel-15

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);

R2-1711042	Broadcast of Positioning Assistance Data LCS_LTE_acc_enh-Core	Qualcomm Incorporated	discussion	Rel-15
R2-1711154	The positioning assistance data broadcasting LCS_LTE_acc_enh-Core	CMCC	discussion	Rel-15
R2-1711290	Encryption of positioning broadcast information	Ericsson	discussion	Rel-15
R2-1711292	draft LS on encrypting broadcasted positioning data	Ericsson	LS out	Rel-15
R2-1711293	Positioning assistance data broadcasting	Ericsson	discussion	Rel-15
R2-1711294	GNSS assistance data via cellular networks for accurate positioning discussion	Ericsson		Rel-15
R2-1711295	draft LS on provisioning of positioning assistance data via LPPa for broadcast LS out	Ericsson		Rel-15
R2-1711317	Discussion on the broadcasting of assistance data Huawei, HiSilicon LCS_LTE_acc_enh-Core		discussion	Rel-15
R2-1711318	Introduction of a single SIB for RTK positioning 36.331 14.4.0 B	Huawei, HiSilicon	draftCR Rel-15	
R2-1711319	Introduction of multiple SIBs for RTK positioning 36.331 14.4.0 B	Huawei, HiSilicon	draftCR Rel-15	
R2-1711320	Discussion on encryption of broadcasted assistance data Rel-15 LCS_LTE_acc_enh-Core	Huawei, HiSilicon	discussion	
R2-1711585	Broadcast A-GNSS assistance data LCS_LTE_acc_enh-Core	Nokia, Nokia Shanghai Bell	discussion	Rel-15
R2-1711650	Considerations of providing assistance data	LG Electronics Inc.	discussion	Rel-15

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

Field Code Changed

9.9.1 General

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

R2-1710995	Stage-2 running CR	Nokia, Nokia Shanghai Bell	discussion	Rel-15	LTE_euCA-Core
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9.9.2 Delay reduction for SCell set-up

R2-1710138	Fast SCell activation for enhanced CA utilization	Qualcomm India Pvt Ltd	discussion	Rel-15	LTE_euCA-Core
R2-1710152	Fast SCell Configuration and Activation Through network assisted RRC_Idle mode measurements	Qualcomm India Pvt Ltd	discussion	Rel-15	LTE_euCA-Core
R2-1710412	Down-selection of IDLE Mode Measurement Report alternatives for fast SCell set-up	Huawei, HiSilicon	discussion	Rel-15	LTE_euCA-Core
R2-1710414	Analysis on the Security issue of idle mode Measurement Report	Huawei, HiSilicon	discussion	Rel-15	LTE_euCA-Core
R2-1710753	Initial status of SCell for enhancing CA utilization	LG Electronics Mobile Research	discussion	Rel-15	LTE_euCA-Core
R2-1710770	Draft LS to RAN1 and RAN4 about usage of L1 Siganling and timeline for SCell State Transition	Qualcomm India Pvt Ltd	discussion	Rel-15	LTE_euCA-Core
R2-1710901	IDLE mode measurement reporting for fast SCell set-up	KT Corp.	discussion	Rel-15	LTE_euCA-Core
R2-1710996	Faster idle mode measurements	Nokia, Nokia Shanghai Bell	discussion	Rel-15	LTE_euCA-Core
R2-1710997	Faster activation for Scells	Nokia, Nokia Shanghai Bell	discussion	Rel-15	LTE_euCA-Core
R2-1710998	Draft LS to RAN4 on RAN2 agreements for enhanced CA utilization	WID	discussion	Rel-15	LTE_euCA-Core
R2-1711534	CA establishment from Idle and Suspended	Ericsson	discussion	Rel-15	LTE_euCA-Core
R2-1711535	Direct activation at configuration	Ericsson	discussion	Rel-15	LTE_euCA-Core
R2-1711536	Measurement improvements for euCA	Ericsson	discussion	Rel-15	LTE_euCA-Core
R2-1711641	Delay reduction for SCell Activation	Huawei, HiSilicon	discussion	Rel-15	LTE_euCA-Core

9.9.3 Signalling overhead reduction for configuration activation

R2-1710154	Signalling Optimization for SCell Configuration and Handover	Qualcomm India Pvt Ltd	discussion	Rel-15	LTE_euCA-Core
R2-1710411	Signalling overhead reduction for SCell (de)Activation	Huawei, HiSilicon	discussion	Rel-15	LTE_euCA-Core
R2-1710999	Common SCell configuration	Nokia, Nokia Shanghai Bell	discussion	Rel-15	LTE_euCA-Core
R2-1711000	Draft LS to RAN3 on RAN2 agreements for enhanced CA utilization	WID	discussion	Rel-15	LTE_euCA-Core
R2-1711457	Signalling overhead reduction for SCell Configuration	Huawei, HiSilicon	discussion	Rel-15	LTE_euCA-Core

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-171740](#))

Time budget: 1 TU

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

Field Code Changed

9.10.1 General

Including incoming LSs, work plan and rapporteur inputs.

- R2-1710014 LS on RAN1 agreements on mode 3 sidelink CA (R1-1715174; contact: HiSilicon) RAN1 LS in Rel-15 LTE_eV2X To:RAN2
- R2-1710017 LS to RAN2 on supported use case for Rel-15 V2X CA on PC5 (R1-1715282; contact: Huawei) RAN1 LS in Rel-15 LTE_eV2X-Core To:RAN2
- R2-1710018 LS to RAN on PC5 operation with short TTI for V2X phase 2 based on LTE (R1-1715287; contact: Huawei, CATT) RAN1 LS in Rel-15 To:RANCc:RAN2, RAN4
- R2-1710061 Reply LS on support of CACC and platooning applications by 3GPP systems (S1-173531; contact: LGE) SA1 LS in Rel-15 eV2X To:SAE DSRC Technical Committee Cc:SA2, RAN2, RAN1, SAE Cellular V2X Technical Committee
- R2-1710066 LS on FS_REAR study outcome (S2-176446; contact: Huawei) SA2 LS in Rel-15 FS_feD2D_IoT_relay_wearable, FS_REAR To:RAN, RAN1, RAN2, RAN3 Cc:SA3, CT1

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)

- R2-1710083 Consideration on resource allocation for PC5 CA Huawei, HiSilicon discussion Rel-15 LTE_eV2X-Core
- R2-1710084 Packet duplication for PC5 CA Huawei, HiSilicon discussion Rel-15 LTE_eV2X-Core
- R2-1710085 Discussion on the Tx carrier selection for PC5 CA Huawei, HiSilicon discussion Rel-15 LTE_eV2X-Core
- R2-1710086 On UEs with limited Rx capability in PC5 CA Huawei, HiSilicon discussion Rel-15 LTE_eV2X-Core
- R2-1710089 Summary of [99#48][eV2X] Selection of Tx carriers Huawei, HiSilicon discussion Rel-15 LTE_eV2X-Core
- R2-1710145 Resource selection in CA-based eV2x OPPO discussion Rel-15 LTE_eV2X-Core
- R2-1710146 Carrier selection in CA-based eV2x OPPO discussion Rel-15 LTE_eV2X-Core
- R2-1710147 Packet duplication in CA-based eV2x OPPO discussion Rel-15 LTE_eV2X-Core R2-1707699
- R2-1710171 Discussion on Carrier Set Configuration for PC5 CA in eV2X in Mode-3 OPPO discussion R2-1708040
- R2-1710650 Packet duplication for CA-based eV2x Intel Corporation discussion Rel-15 LTE_eV2X-Core
- R2-1710651 Carrier selection for CA over PC5 Intel Corporation discussion Rel-15 LTE_eV2X-Core
- R2-1710684 Carrier Aggregation for V2X Phase 2 Qualcomm Incorporated discussion Rel-15 LTE_eV2X-Core
- R2-1710685 Carrier Aggregation Use Cases in V2X Phase 2 Qualcomm Incorporated, CATT discussion Rel-15 LTE_eV2X-Core

R2-1710714	Carrier selection mechanism in eV2X	CATT	discussion	
R2-1710716	SPS in eV2X when CA is configured	CATT	discussion	
R2-1710894	Discussion on activation of V2X carrier aggregation	Nokia, Nokia Shanghai Bell		
	discussion Rel-15 LTE_eV2X-Core			
R2-1711011	Discussion on carrier selection in PC5 CA	ZTE Corporation	discussion	Rel-15
	LTE_eV2X-Core			
R2-1711013	Discussion on data duplication for PC5 CA	ZTE Corporation	discussion	LTE_eV2X-Core
	Core			
R2-1711399	Modelling sidelink parallel transmissions for V2X communication	LG Electronics Inc.		
	discussion Rel-15 LTE_eV2X-Core			
R2-1711493	Sidelink Carrier Selection Criteria	Ericsson	discussion	Rel-15 LTE_eV2X-Core
R2-1711494	On the Need of Sidelink PCell and SCell	Ericsson	discussion	Rel-15 LTE_eV2X-Core
	Core			
R2-1711496	Packet duplication for PC5	Ericsson	discussion	Rel-15 LTE_eV2X-Core
R2-1711685	Consideration on packet duplication	LG Electronics Inc.	discussion	Rel-15
	LTE_eV2X-Core			
R2-1711693	Consideration on limited Rx capability	LG Electronics Inc.	discussion	Rel-15
	LTE_eV2X-Core			
R2-1711694	Layer design aspect for carrier selection	LG Electronics Inc.	discussion	Rel-15
	LTE_eV2X-Core			
R2-1711775	Discussion on SPS support with enhanced Carrier Aggregation	Samsung R&D Institute UK		
	discussion R2-1709624			
R2-1711812	Packet Duplication for the Sidelink Carrier Aggregation	Samsung R&D Institute UK		
	discussion			

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

Focus should be on RAN2 aspects.

R2-1710087	Discussion on resource pool sharing between mode3 and mode4 UEs	Huawei, HiSilicon		
	discussion Rel-15 LTE_eV2X-Core R2-1707969			
R2-1710088	On resource pool sharing between R15 UEs and R14 UEs	Huawei, HiSilicon	discussion	
	Rel-15 LTE_eV2X-Core			
R2-1710148	Resource pool sharing in eV2x	OPPO	discussion	Rel-15 LTE_eV2X-Core
R2-1710652	Resource pool sharing between mode 3 and 4	Intel Corporation	discussion	Rel-15
	LTE_eV2X-Core			
R2-1710682	Resource pool sharing between Mode 3 and Mode 4	Qualcomm Incorporated	discussion	
	Rel-15 LTE_eV2X-Core R2-1708681			
R2-1710715	Discussion on mode 3 and mode 4 shared resource pool	CATT	discussion	
R2-1710787	Discussion on resource pool sharing between mode 3 and mode 4 UEs	Samsung Electronics		
	France SA discussion Rel-15 R2-1709008			
R2-1710895	Resource pool sharing between mode 3 and mode 4	Nokia, Nokia Shanghai Bell		
	discussion Rel-15 LTE_eV2X-Core			
R2-1711014	Consideration on resource pool sharing between UEs using mode 3 and mode 4	ZTE Corporation		
	discussion LTE_eV2X-Core R2-1708510			
R2-1711497	Pool sharing between mode 3 and mode 4	Ericsson	discussion	Rel-15 LTE_eV2X-Core
	Core			
R2-1711684	Radio resource pool sharing between UEs using mode 3 and UEs using mode 4	LG Electronics Inc.	discussion	Rel-15 LTE_eV2X-Core R2-1709133
R2-1711733	Discussion about exceptional pool for resource pool sharing between UEs using mode 3 and UEs using mode 4	Samsung R&D Institute UK	discussion	Rel-15 LTE_eV2X-Core R2-1708297
R2-1711749	Supporting reliability during resource sharing	Samsung R&D Institute UK	discussion	
	R2-1709430			

R2-1711754 Mode3/Mode 4 resource pool sharing on V2X phase 2 discussion Samsung R&D Institute UK

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).

R2-1710090 Consideration on latency related aspects in LTE eV2X Huawei, HiSilicon discussion
Rel-15 LTE_eV2X-Core

R2-1710149 Resource selection for sTTI in eV2x OPPO discussion Rel-15 LTE_eV2X-Core
R2-1707702

R2-1710150 Latency reduction in eV2x OPPO discussion Rel-15 LTE_eV2X-Core

R2-1710683 Reduction of time between packet arrival and transmisison Qualcomm Incorporated discussion
Rel-15 LTE_eV2X-Core R2-1708683

R2-1711015 Consideration on latency reduction ZTE Corporation discussion LTE_eV2X-
Core

R2-1711016 Discussion on support of 64QAM over sidelink ZTE Corporation discussion
LTE_eV2X-Core R2-1708512

R2-1711495 Latency reduction for eV2V Ericsson discussion Rel-15 LTE_eV2X-Core

R2-1711686 RAN2 aspects regarding support of 64QAM and TX diversity LG Electronics Inc.
discussion Rel-15 LTE_eV2X-Core

R2-1711744 Latency reduction on V2X phase 2 for UEs using Mode 4 Samsung R&D Institute UK
discussion R2-1709427

R2-1711759 SPS enhancements for V2X phase 2 Samsung R&D Institute UK discussion

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-171738](#))

Time budget: 0.5 TU

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

Field Code Changed

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

Field Code Changed

9.12.1 General

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

R2-1710013 LS on RAN1 agreements on Enhancements to LTE operation in unlicensed spectrum (R1-
1715080; contact: Nokia) RAN1 LS in Rel-15 LTE_unlic To:RAN2

R2-1711066 Summary status of LT_unlic-Core and stage-2 TP draft Nokia discussion Rel-15
LTE_unlic-Core To:RAN, RAN1, RAN2, RAN3 Cc:SA3, CT1

9.12.2 Autonomous uplink access on Frame structure type 3

R2-1710363	Confirmation on AUL activation and deactivation 15 LTE_unlic-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710364	Threshold for AUL in FeLAA Core	Huawei, HiSilicon	discussion	Rel-15 LTE_unlic-
R2-1710365	Issues related to SR in FeLAA Core	Huawei, HiSilicon	discussion	Rel-15 LTE_unlic-
R2-1710366	MAC aspects of autonomous uplink access 15 LTE_unlic-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710367	Multiplexing of data for AUL Core	Huawei, HiSilicon	discussion	Rel-15 LTE_unlic-
R2-1710368	HARQ with autonomous uplink access on LAA SCell Rel-15 LTE_unlic-Core	Huawei, HiSilicon	discussion	
R2-1710648	HARQ aspect on AUL	Intel Corporation	discussion	Rel-15 LTE_unlic-Core
R2-1710649	Other aspects on AUL	Intel Corporation	discussion	Rel-15 LTE_unlic-Core
R2-1711207	Resource allocation for AUL	Nokia	discussion	Rel-15 LTE_unlic-Core
R2-1711208	LAA HARQ operation	Nokia	discussion	Rel-15 LTE_unlic-Core
R2-1711488	Autonomous Uplink Access for LAA Core	Ericsson	discussion	Rel-15 LTE_unlic-
R2-1711489	HARQ Design for Autonomous UL Access	Ericsson	discussion	Rel-15 LTE_unlic-
R2-1711490	Channel Access Priority Classes for FeLAA	Ericsson	discussion	Rel-15 LTE_unlic-
R2-1711736	Further details of Autonomous Uplink Access for eLAA	Qualcomm Incorporated	discussion	

9.12.3 Other operation on Frame structure type 3

R2-1711491	RAN2 Impact on Multiple Starting and Ending Positions in a Subframe discussion	Ericsson	Rel-15 LTE_unlic-Core
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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-172063](#))

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.

R2-1710020	LS on narrowband measurement accuracy enhancement (R1-1715300; contact: Huawei)	RAN1
	LS in Rel-15 NB_IOTenh2 To:RAN4 Cc:RAN2	
R2-1710021	LS on TDD NB-IoT (R1-1715301; contact: Huawei)	RAN1 LS in Rel-15 NB_IOTenh2
	To:RAN2	
R2-1710034	LS on UE differentiation of NB-IOT (R3-173401; contact: ZTE)	RAN3 LS in Rel-15
	NB_IOTenh2-Core To:SA2 Cc:RAN2	

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.

R2-1711402	Early Data Transmission Failure Handling in NB-IoT Rel-15 NB_IOTenh2-Core R2-1709457	LG Electronics Inc.	discussion
R2-1711633	NPRACH resource partition for early data transmission	MediaTek Inc.	discussion

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.

R2-1710794 Skipping MIB-NB Acquisition for NB-IOT UE MediaTek Inc. discussion

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)

R2-1710151 Relaxed monitoring for NB-IoT Gemalto N.V. discussion

R2-1710162 Introduction of relaxed monitoring in NB-IoT Gemalto N.V. CR Rel-14 36.304
14.4.0 0389 - B NB_IOTenh-Core

R2-1710164 Introduction of relaxed monitoring in NB-IoT Gemalto N.V. CR Rel-14 36.306
14.4.0 1509 - B NB_IOTenh-Core

R2-1710165 Introduction of relaxed monitoring in NB-IoT Gemalto N.V. CR Rel-14 36.331
14.4.0 3074 - B NB_IOTenh-Core

R2-1710727 Email report 99_41 Measurement relaxation Ericsson report Rel-14 NB_IOTenh-Core

R2-1710728 Relaxed Monitoring in NB-IoT Ericsson discussion Rel-14 NB_IOTenh-Core
R2-1708273

R2-1710729 Introduction of relaxed monitoring in NB-IoT in 36.304 Ericsson draftCR Rel-14
36.304 14.4.0 B NB_IOTenh-Core

R2-1710730 Introduction of relaxed monitoring in NB-IoT in 36.306 Ericsson draftCR Rel-14
36.306 14.4.0 B NB_IOTenh-Core

R2-1710731 Introduction of relaxed monitoring in NB-IoT in 36.331 Ericsson draftCR Rel-14
36.331 14.4.0 B NB_IOTenh-Core

R2-1710732 Relaxed monitoring in MTC Ericsson discussion Rel-15 LTE_eMTC4-Core
R2-1708278

R2-1710904 Further consideration on relaxed monitoring for cell reselection in FeNB-IoT and eFeMTC ZTE
Wistron Telecom AB discussion Rel-15 NB_IOTenh2-Core

R2-1711321 Introduction of relaxed monitoring for NB-IoT in 36.304 Huawei, HiSilicon CR Rel-
14 36.304 14.4.0 0384 - C NB_IOTenh-Core, TEI14 R2-1708306

R2-1711322 Introduction of relaxed monitoring for NB-IoT in 36.306 Huawei, HiSilicon CR Rel-
14 36.306 14.4.0 1492 - C NB_IOTenh-Core, TEI14 R2-1708307

R2-1711323 Introduction of relaxed monitoring for NB-IoT in 36.331 Huawei, HiSilicon CR Rel-
14 36.331 14.4.0 2987 - C NB_IOTenh-Core, TEI14 R2-1708308

R2-1711652 Determination of stationary UE in NB-IoT LG Electronics Inc. discussion Rel-15

9.13.4 Semi-Persistent Scheduling

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

R2-1710908 Further consideration on SPS in FeNB-IoT ZTE Wistron Telecom AB discussion Rel-
15 NB_IOTenh2-Core

R2-1711329 Summary of email discussion [99#42][NB-IoT] on SPS options Huawei report Rel-15
NB_IOTenh2-Core

R2-1711330 Scheduling request in connected mode Huawei, HiSilicon, Neul discussion Rel-15
NB_IOTenh2-Core

R2-1711572 Further consideration on SPS for NB-IoT LG Electronics Inc. discussion Rel-15
NB_IOTenh2-Core

R2-1711631 M2M SPS MediaTek Beijing Inc. discussion

R2-1711656	Configuring and activating SPS for NB-IoT Ericsson Core	discussion	Rel-15 NB_IOTenh2-
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9.13.5 RRC Connection Release Enhancements

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

R2-1710735	Quick RRC connection release R2-1708279	Ericsson	discussion	Rel-15 NB_IOTenh2-Core
R2-1710736	Introduction of DataInactivityTimer without NAS recovery in 36.306	Ericsson	draftCR Rel-15	
R2-1710737	Introduction of DataInactivityTimer without NAS recovery in 36.321	Ericsson	draftCR Rel-15	
R2-1710738	Introduction of DataInactivityTimer without NAS recovery in 36.331	Ericsson	draftCR Rel-15	
R2-1710739	Introduction of uplink HARQ-ACK feedback in NB-IoT in 36.306	Ericsson	draftCR Rel-15	
R2-1710740	Introduction of uplink HARQ-ACK feedback in NB-IoT in 36.321	Ericsson	draftCR Rel-15	
R2-1710741	Introduction of uplink HARQ-ACK feedback in NB-IoT in 36.331	Ericsson	draftCR Rel-15	
R2-1710795	Report of Email Discussion [99#43][NB-IoT] RRC Connection Release	MediaTek Inc.	report	
R2-1710911	Further consideration on quick release of RRC connection in FeNB-IoT AB	ZTE Wistron Telecom		
R2-1711331	RRC Connection Release Enhancement NB_IOTenh2-Core	Huawei, HiSilicon, Neul	discussion	Rel-15
R2-1711346	Quick release of RRC connection for NB-IoT 36.321 NB_IOTenh2-Core	LG Electronics Inc.	discussion	Rel-15
R2-1711351	Change of release cause in case of DataInactivityTimer expiry draftCR Rel-15 36.331 14.4.0 C NB_IOTenh2-Core	LG Electronics Inc.		
R2-1711355	Reliable use of DataInactivityTimer 36.321 NB_IOTenh2-Core R2-1709166 Withdrawn	LG Electronics Inc.	discussion	Rel-15
R2-1711356	Reliable use of DataInactivityTimer 36.321 NB_IOTenh2-Core R2-1709166	LG Electronics Inc.	discussion	Rel-15
R2-1711454	Potential specification impact of RRC connection release via DCI discussion Rel-15	Qualcomm Incorporated		

9.13.6 UE differentiation

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

R2-1710751	Further input to UE differentiation in NB-IoT NB_IOTenh2-Core R2-1708287	Ericsson	discussion	Rel-15
R2-1711327	Report of email discussion [99#44][NB-IoT] on UE differentiation NB_IOTenh2-Core	Huawei report		Rel-15
R2-1711328	[DRAFT] LS on UE differentiation for Rel-15 NB-IoT NB_IOTenh2-Core	Huawei [to be RAN2]	LS out	Rel-15
R2-1711485	Data characteristics for UE differentiation 15 NB_IOTenh2-Core	Nokia, Nokia Shanghai Bell	discussion	Rel-15
R2-1711636	Further discussion on NB-IOT UE differentiation	MediaTek Inc.	discussion	

9.13.7 Small Cell Support

R2-1710957	Consideration on supporting small cell in FeNB-IoT discussion Rel-15 NB_IOTenh2-Core	ZTE Wistron Telecom AB
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R2-1711262	2-Step RACH support for Small Cells.	Gemalto N.V.	discussion	
R2-1711333	Small cell support in NB-IoT Core	Huawei, HiSilicon, Neul	discussion	Rel-15 NB_IOTenh2-Core

9.13.8 TDD

R2-1710485	Study of Impacts on Timers due to TDD support	Ericsson	discussion	Rel-15
R2-1710486	Study of Paging, SI Acquisition and SIB Scheduling impacts due to TDD discussion	Ericsson		Rel-15
R2-1710487	Study of TDD NPRACH and RA-RNTI impacts due to TDD	Ericsson	discussion	Rel-15
R2-1710978	Consideration on TDD support in FeNB-IoT	ZTE Wistron Telecom AB	discussion	Rel-15 NB_IOTenh2-Core
R2-1711326	Power saving signal or channel in NB-IoT and eMTC	Huawei, HiSilicon, Neul	discussion	Rel-15 NB_IOTenh2-Core
R2-1711332	TDD support in NB-IoT	Huawei, HiSilicon, Neul	discussion	Rel-15 NB_IOTenh2-Core

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

R2-1710742	Introduction of further NB-IoT enhancements in 36.306	Ericsson	CR	Rel-15
	36.306 14.4.0 1513 - B NB_IOTenh2-Core			
R2-1710743	Introduction of further NB-IoT enhancements in 36.322	Ericsson	CR	Rel-15
	36.322 14.1.0 0131 - B NB_IOTenh2-Core			
R2-1710744	Measurement accuracy improvements	Ericsson	discussion	Rel-15 NB_IOTenh2-Core
	R2-1708280			
R2-1710745	Introduction of measurement accuracy improvements in 36.306	Ericsson	draftCR	Rel-15
	36.306 14.4.0 B NB_IOTenh2-Core			
R2-1710746	Introduction of measurement accuracy improvements in 36.331	Ericsson	draftCR	Rel-15
	36.331 14.4.0 B NB_IOTenh2-Core			
R2-1710750	RLC UM for NB-IoT for SRBs	Ericsson	discussion	Rel-15 NB_IOTenh2-Core
	R2-1708283			
R2-1710980	Consideration on wake-up signaling in FeNB-IoT	ZTE Wistron Telecom AB	discussion	Rel-15 NB_IOTenh2-Core
R2-1710981	Consideration on SR and PHR transmission enhancement in FeNB-IoT	ZTE Wistron Telecom AB	discussion	Rel-15 NB_IOTenh2-Core
R2-1710984	Consideration on UE power consumption reduction in FeNB-IoT	ZTE Wistron Telecom AB	discussion	Rel-15 NB_IOTenh2-Core
R2-1711161	Access barring for CE level in NB-IOT	LG Electronics Inc.	discussion	Rel-15
	NB_IOTenh-Core R2-1709312 Withdrawn			
R2-1711343	Stopping contention resolution timer based on retransmission scheduling	LG Electronics Inc.	discussion	Rel-15 36.321 NB_IOTenh2-Core R2-1709172
R2-1711344	Stopping contention resolution timer based on retransmission scheduling	LG Electronics Inc.	CR	Rel-15 36.321 14.4.0 1158 - F LTE_eMTC4-Core, NB_IOTenh2-Core R2-1709139
R2-1711401	Enhanced RRC Connection Re-establishment in NB-IoT	LG Electronics Inc.	discussion	Rel-15 NB_IOTenh2-Core R2-1709456
R2-1711638	Access barring for CE level in NB-IOT	LG Electronics UK	discussion	NB_IOTenh2-Core R2-1709312
R2-1711657	NB-IoT PHY Scheduling Request	Ericsson	discussion	Rel-15 NB_IOTenh2-Core
R2-1711658	NPRACH reliability and range enhancement for NB-IoT	Ericsson	discussion	Rel-15 NB_IOTenh2-Core

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

Field Code Changed

9.14.1 Organisational

Including incoming LSs, rapporteur inputs, running CRs

- R2-1710019 LS on UL HARQ-ACK feedback for Rel-15 LTE eMTC (R1-1715299; contact: ZTE) RAN1
LS in Rel-15 LTE_eMTC4 To:RAN2
- R2-1710044 LS on new UE power class for Rel-15 eMTC (R4-1708835; contact: Ericsson) RAN4 LS in
Rel-15 LTE_eMTC4 To:RAN2 Cc:RAN1

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)

- R2-1710521 Early Data Transmission over NAS Ericsson discussion Rel-15 LTE_eMTC4-Core
- R2-1710522 UP solution for early data transmission Ericsson discussion Rel-15 LTE_eMTC4-Core
- R2-1710523 General aspects of early data transmission Ericsson discussion Rel-15 LTE_eMTC4-Core
- R2-1710642 Early data transmission discussion for eFeMTC and FeNB-IoT Intel Corporation
discussion Rel-15 LTE_eMTC4-Core
- R2-1710791 Details of Early data transmission for eFeMTC Kyocera discussion
- R2-1710888 Email discussion report: [99#45][NB-IoT/MTC] Early data transmission Qualcomm
Incorporated discussion Rel-15 LTE_eMTC4-Core, NB_IoTenh2-Core
- R2-1710889 [Draft] LS on Early Data Transmission Qualcomm IncorporatedLS out Rel-15 LTE_eMTC4-Core, NB_IoTenh2-Core
- R2-1710896 Network initiated early UL data transmission Nokia, Nokia Shanghai Bell discussion
Rel-15 LTE_eMTC4-Core
- R2-1710987 Further consideration on early data transmission in eFeMTC and FeNB-IoT ZTE Wistron Telecom
AB discussion Rel-15 LTE_eMTC4-Core
- R2-1711158 Early data transmission for User plane CIoT optimisation LG Electronics Inc. discussion
Rel-15 LTE_feMTC R2-1709307
- R2-1711159 Early data transmission for Control plane CIoT optimisation LG Electronics Inc.
discussion Rel-15 LTE_feMTC R2-1709309
- R2-1711324 General discussion on early data transmission Huawei, HiSilicon, Neul discussion Rel-15
NB_IoTenh2-Core, LTE_eMTC4-Core
- R2-1711325 Early data transmission for NB-IoT and eMTC Huawei, HiSilicon, Neul discussion Rel-15
NB_IoTenh2-Core, LTE_eMTC4-Core
- R2-1711403 Early Data Transmission Failure Handling in MTC LG Electronics Inc. discussion Rel-15
LTE_eMTC4-Core R2-1709458
- R2-1711469 [Draft] LS on Early Data Transmission Qualcomm IncorporatedLS out Rel-15 LTE_eMTC4-Core, NB_IoTenh2-Core
- R2-1711555 PRACH for EDT requests Sierra Wireless, S.A. discussion Rel-15
- R2-1711629 Reliability and Early Data transmission MediaTek Beijing Inc. discussion

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)

R2-1710518	Reduced system acquisition time	Ericsson	discussion	Rel-15	LTE_eMTC4-Core
R2-1710519	Skipping SIB1-BR acquisition	Ericsson	discussion	Rel-15	LTE_eMTC4-Core
R2-1710520	DRAFT LS reply on system acquisition time reduction for Rel-15 LTE-MTC	Ericsson	LS out	Rel-15	LTE_eMTC4-Core
R2-1710988	Further consideration on system acquisition time reduction in eFeMTC and FeNB-IoT	ZTE Wistron Telecom AB	discussion	Rel-15	LTE_eMTC4-Core
R2-1711215	Accumulation across SIB1-BR/SI modification period	Huawei, HiSilicon	discussion	Rel-15	LTE_eMTC4-Core
R2-1711216	[DRAFT] Reply LS on System acquisition time reduction for Rel-15 LTE MTC	Huawei, HiSilicon	LS out	Rel-15	LTE_eMTC4-Core
R2-1711217	Skip system information reading for MTC upon cell reselection	Huawei, HiSilicon	discussion	Rel-15	LTE_eMTC4-Core
R2-1711334	System information acquisition enhancements for NB-IoT	Huawei, HiSilicon, Neul	discussion	Rel-15	NB_IOTenh2-Core, LTE_eMTC4-Core
R2-1711477	[99#46] [MTC] Skipping SIB1-BR	Sierra Wireless, S.A. (email rapporteur)	discussion	Rel-15	
R2-1711481	One and two-bit indications in MIB of SIB1-BR changes	Sierra Wireless, S.A.	discussion	Rel-15	
R2-1711649	Optimization of SI acquisition in MTC	LG Electronics Inc.	discussion	Rel-15	R2-1709283
R2-1711651	Clarification of parameters for skipping MIB-NB	LG Electronics Inc.	discussion	Rel-15	
R2-1711826	NB-IoT_UE SI on demand	Vodafone Group Plc.	discussion		

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

R2-1710354	Improved Access and Load Control for Idle Mode UEs	Fujitsu	discussion	Rel-15	LTE_eMTC4-Core
R2-1710532	Improved Idle Mode Load control for eFeMTC UEs	Ericsson	discussion	Rel-15	LTE_eMTC4-Core
R2-1710644	CE level based access barring and load control for eFeMTC	Intel Corporation	discussion	Rel-15	LTE_eMTC4-Core
R2-1710792	CE-based access barring and load balancing for idle mode UEs for eFeMTC	Kyocera	discussion		
R2-1710991	Further consideration on access control in eFeMTC	ZTE Wistron Telecom AB	discussion	Rel-15	LTE_eMTC4-Core
R2-1711160	Access barring for CE level in feMTC	LG Electronics Inc.	discussion	Rel-15	LTE_feMTC R2-1709311
R2-1711218	Improved access/load control of idle mode Ues	Huawei, HiSilicon	discussion	Rel-15	LTE_eMTC4-Core
R2-1711418	Improved Idle Mode Load Control for eFeMTC UEs	Ericsson	draftCR	Rel-15	36.331 14.4.0 B LTE_eMTC4-Core

9.14.6 Uplink HARQ-ACK feedback

R2-1710524	Uplink HARQ-ACK feedback for MTC	Ericsson	draftCR	Rel-15	36.306 14.4.0 B LTE_eMTC4-Core
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R2-1710525	Uplink HARQ-ACK feedback for MTC LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.321	14.4.0	B
R2-1710526	Uplink HARQ-ACK feedback for MTC LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.331	14.4.0	B
R2-1710643	UL HARQ feedback in eFeMTC Core	Intel Corporation	discussion	Rel-15	LTE_eMTC4-	
R2-1710992	Consideration on Uplink HARQ-ACK feedback in eFeMTC discussion	ZTE Wistron Telecom AB	Rel-15	LTE_eMTC4-Core		
R2-1711219	Uplink HARQ-ACK feedback for Rel-15 MTC LTE_eMTC4-Core	Huawei, HiSilicon	discussion	Rel-15		
R2-1711300	DRX enhancement using HARQ feedback LG Electronics Inc. 36.321 LTE_eMTC4-Core R2-1709141		discussion	Rel-15		
R2-1711310	DRX enhancement using HARQ feedback LG Electronics Inc. 14.4.0 B LTE_eMTC4-Core		draftCR Rel-15	36.321		
R2-1711359	RA enhancement using HARQ feedback LG Electronics Inc. 36.321 LTE_eMTC4-Core R2-1709140		discussion	Rel-15		

9.14.7 Increased PDSCH spectral efficiency

R2-1710528	Increased PDSCH spectral efficiency LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.306	14.4.0	B
R2-1710529	Increased PDSCH spectral efficiency LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.331	14.4.0	B
R2-1711220	Increased PDSCH spectral efficiency for Rel-15 MTC Rel-15 LTE_eMTC4-Core	Huawei, HiSilicon	discussion			
R2-1711221	[DRAFT] LS on signalling support of 64QAM for Rel-15 eFeMTC out Rel-15 LTE_eMTC4-Core	Huawei, HiSilicon	LS			

9.14.8 Increased PUSCH spectral efficiency

R2-1710530	Increased PUSCH spectral efficiency LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.306	14.4.0	B
R2-1710531	Increased PUSCH spectral efficiency LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.331	14.4.0	B
R2-1711553	Signaling for Sub-PRB capability indication 15	Sierra Wireless, S.A.	discussion	Rel-15		

9.14.9 Other

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

R2-1710515	Lower power class UE	Ericsson	discussion	Rel-15	LTE_eMTC4-Core	
R2-1710516	Introducing 14 dBm UE power class LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.331	14.4.0	B
R2-1710517	Introducing 14 dBm UE power class LTE_eMTC4-Core	Ericsson	draftCR Rel-15	36.304	14.4.0	B
R2-1710527	CRS muting	Ericsson	discussion	Rel-15	LTE_eMTC4-Core	R2-1708633
R2-1710533	Higher velocity for CEModeA UE in eFeMTC Core	Ericsson	discussion		LTE_eMTC4-	
R2-1710641	WUS consideration for eFeMTC Core	Intel Corporation	discussion	Rel-15	LTE_eMTC4-	
R2-1710749	Wake-up signal for NB-IoT & eMTC Core, LTE_eMTC4-Core R2-1708284	Ericsson	discussion	Rel-15	NB_IOTenh2-	

R2-1711005	Consideration on supporting lower UE power class in eFeMTC discussion	Rel-15 LTE_eMTC4-Core	ZTE Wistron Telecom AB
R2-1711214	Power saving signal or channel in NB-IoT and eMTC	Rel-15 LTE_eMTC4-Core	Huawei, HiSilicon, Neul discussion
R2-1711222	Lower UE power class for Rel-15 MTC	Rel-15 LTE_eMTC4-Core	Huawei, HiSilicon discussion
R2-1711223	[DRAFT] Reply LS on new UE power class for Rel-15 efeMTC out	Rel-15 LTE_eMTC4-Core	Huawei, HiSilicon LS
R2-1711455	Introducing 14 dBm UE power class	Ericsson draftCR Rel-15 36.306 14.4.0 B	

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

R2-1710501	Work Plan for URLLC	Ericsson discussion	Rel-15 LTE_HRLLC-Core
R2-1710502	Packet duplication in LTE	Ericsson discussion	Rel-15 LTE_HRLLC-Core
R2-1710503	RAN2 Techniques for Latency	Ericsson discussion	Rel-15 LTE_HRLLC-Core
R2-1710504	RAN2 Techniques for reliability	Ericsson discussion	Rel-15 LTE_HRLLC-Core
R2-1711001	PDCCP data duplication in LTE	Nokia, Nokia Shanghai Bell	discussion Rel-15 LTE_HRLLC-Core
R2-1711115	Discussion on packet duplication	Huawei, HiSilicon	discussion Rel-15 LTE_HRLLC-Core
R2-1711116	Potential enhancement for HRLLC based on sTTI	Huawei, HiSilicon	discussion Rel-15 LTE_HRLLC-Core
R2-1711117	Latency analysis for LTE HRLLC	Huawei, HiSilicon	discussion Rel-15 LTE_HRLLC-Core
R2-1711118	RAN2 impacts of UL grant-free	Huawei, HiSilicon	discussion Rel-15 LTE_HRLLC-Core

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: 1.0 TU

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

R2-1710410	Buffer Size Allocation	Ericsson discussion	Rel-15
R2-1710413	UDC Buffer Size Selection	Ericsson CR	Rel-15 36.331 14.4.0 3076 -
R2-1710453	Pre-Defined Dictionary for UDC	Ericsson discussion	Rel-15
R2-1710471	Selection of Pre-defined Dictionary for UDC	Ericsson CR	Rel-15 36.323
R2-1710472	Pre-Defined Dictionary Configuration for UDC	Ericsson CR	Rel-15 36.331
R2-1710703	Discussion on the scope of the WI UDC	Huawei, HiSilicon	discussion Rel-15
R2-1710704	Discussion on buffer size impact for UDC	Huawei, HiSilicon	discussion Rel-15
R2-1710705	Discussion on pre-defined dictionary for UDC	Huawei, HiSilicon	discussion Rel-15

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R2-1710706	Discussion on compressed data format for UDC 15 LTE_UDC-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710707	Discussion on signaling procedures for UDC 15 LTE_UDC-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710718	Work Plan for UDC CATT Work Plan	Rel-15		
R2-1710719	Introduction of DEFLATE based UDC Solution LTE_UDC-Core	CATT draftCR Rel-15	36.300 14.4.0 B	
R2-1710720	Consideration on UDC Header Content CATT	discussion Rel-15	LTE_UDC-Core	
R2-1710721	Consideration on Signalling and Procedures for UDC LTE_UDC-Core	CATT discussion	Rel-15	
R2-1710722	Introduction of DEFLATE based UDC Solution LTE_UDC-Core	CATT draftCR Rel-15	36.331 14.4.0 B	
R2-1710723	PDCP impact analysis CATT	discussion Rel-15	LTE_UDC-Core	
R2-1710724	Introduction of DEFLATE based UDC Solution LTE_UDC-Core	CATT draftCR Rel-15	36.323 14.4.0 B	
R2-1710725	Initial Consideration on Pre-defined Dictionary for UDC LTE_UDC-Core	CATT discussion	Rel-15	
R2-1710989	Discussion on Byte-alignment Operation for UDC LTE_UDC-Core	MediaTek Inc. discussion	Rel-15	
R2-1710990	Discussion on UDC Configurations	MediaTek Inc. discussion	Rel-15	LTE_UDC-Core

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.

R2-1710106	On extension of the number of dedicated radio bearers for E-UTRAN discussion Rel-15 TEI15	Samsung		
R2-1710912	Overview on new LTE measurements Rel-15 TEI15 R2-1709465	Huawei, HiSilicon, China Telecom	discussion	
R2-1710913	Discussion on new measurement on PRB usage distribution Telecom discussion Rel-15 TEI15 R2-1709467	Huawei, HiSilicon, China		
R2-1710914	Discussion on new measurement on IP throughput distribution Telecom discussion Rel-15 TEI15 R2-1709468	Huawei, HiSilicon, China		
R2-1710915	Introduction of new measurement on PRB usage distribution Telecom CR Rel-15 36.314 14.0.0 0042 - B	Huawei, HiSilicon, China	TEI15	
R2-1710916	Introduction of new measurement on IP throughput distribution Telecom CR Rel-15 36.314 14.0.0 0043 - B	Huawei, HiSilicon, China	TEI15	
R2-1711006	Inbound mobility to the shared non-CSG small cells 15 TEI15	SoftBank Corp. discussion	Rel-	
R2-1711255	Control Plane latency reduction	Ericsson other Rel-15	TEI15	
R2-1711257	Control Plane latency reduction	Ericsson draftCR Rel-15	36.331 14.4.0 B	TEI15
R2-1711258	Control Plane latency reduction	Ericsson draftCR Rel-15	36.306 14.4.0 B	TEI15

R2-1711345	Discussion on new measurements on number of active UEs discussion	China Telecommunications
R2-1711349	Introduction of new measurement on number of active UEs	China Telecommunications CR
	Rel-15 36.314 14.0.0 0044 - B TEI15	
R2-1711474	Marking and unmarking the UE for high-speed-dedicated LTE network discussion	Intel Corporation Rel-15 TEI15
R2-1711810	Considerations on Cell Reselection in High Speed Railway Scenario	CATT discussion
	Rel-15 TEI15	

10 WI: New Radio (NR) Access Technology

(NR_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; target: Jun. 18: WID: [RP-172115](#))

10.1 Organisational

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

R2-1710004	Reply LS on algorithm selection in E-UTRA-NR Dual Connectivity (C1-173748; contact: Ericsson)	
	CT1 LS in Rel-15 EDCE5 To:SA3, CT4 Cc:SA2, RAN2, RAN3	
R2-1710005	Reply LS on NR Idle Mode procedures (C1-173749; contact: Qualcomm)	CT1 LS in Rel-15
	5GS_Ph1-CT To:SA2, RAN2, SA1 Cc:RAN3	
R2-1710010	Reply LS on BWP operation in NR (R1-1716875; contact: Samsung)	RAN1 LS in Rel-15
	NR_newRAT-Core To:RAN2	
R2-1710011	LS on NR UL transmission without UL grant (R1-1714995; contact: NTT DOCOMO)	RAN1
	LS in Rel-15 NR_newRAT To:RAN2	
R2-1710012	LS on Further agreements for Bandwidth part operation (R1-1714996; contact: LGE)	RAN1
	LS in Rel-15 NR_newRAT To:RAN2 Cc:RAN4	
R2-1710015	LS on initial access with SUL (R1-1715260; contact: Huawei)	RAN1 LS in Rel-15
	NR_newRAT-Core To:RAN2	
R2-1710024	LS on power sharing for LTE-NR Dual Connectivity (R1-1715313; contact: Ericsson)	RAN1
	LS in Rel-15 NR_newRAT To:RAN4, RAN2	
R2-1710025	Reply LS response on Random Access (R1-1715315; contact: Samsung)	RAN1 LS in Rel-15
	NR_newRAT-Core To:RAN2	
R2-1710026	LS on NR initial access and mobility (R1-1715316; contact: NTT DOCOMO)	RAN1 LS in Rel-15
	NR_newRAT-Core To:RAN4 Cc:RAN2	
R2-1710029	LS on RRC parameters for NR (R1-1715338; contact: Ericsson)	RAN1 LS in Rel-15
	NR_newRAT To:RAN2	
R2-1710030	Reply LS on Channel Raster and Synchronization Channel Raster (R1-1716906; contact: Ericsson)	RAN1 LS in Rel-15
	NR_newRAT-Core To:RAN4 Cc:RAN2	
R2-1710031	Reply LS on multiple SSBs within a wideband carrier (R1-1716907; contact: Ericsson)	RAN1
	LS in Rel-15 To:RAN2 Cc:RAN4	
R2-1710032	LS on NR Paging Occasion (R1-1716918; contact: Huawei)	RAN1 LS in Rel-15
	NR_newRAT To:RAN1 Cc:RAN2	
R2-1710033	Reply LS on UE categories and capabilities (R1-1716924; contact: NTT DOCOMO)	RAN1 LS in Rel-15
	Cc:RAN4	
R2-1710035	LS on support of Trace and MDT in NG-RAN in rel-15 (R3-173422; contact: Huawei)	RAN3
	LS in Rel-15 NR_newRAT-Core To:RAN2, SA5	
R2-1710036	LS on definition of RAN Notification Area in inactive state (R3-173427; contact: Nokia)	RAN3
	LS in Rel-15 NR_newRAT To:RAN2	
R2-1710037	Reply LS on shared baseband capabilities for MR-DC (R4-1708284; contact: Huawei)	RAN4
	LS in Rel-15 NR_newRAT-Core To:RAN2 Cc:RAN1	
R2-1710039	Reply LS on UE measurement capabilities across LTE and NR (R4-1708694; contact: Huawei)	RAN4 LS in Rel-15
	NR_newRAT-Core To:RAN2 Cc:RAN1	
R2-1710045	LS on Mixed numerologies FDM operation (R4-1708864; contact: Intel)	RAN4 LS in Rel-15
	NR_newRAT To:RAN1, RAN2	

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R2-1710046	LS on RSRP Measurements for Mobility in NR (R4-1709017; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN1	Cc:RAN2	Field Code Changed
R2-1710047	LS on Definitions of Intra-frequency and Inter-frequency Measurements (R4-1709108; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN2	Cc:RAN1	Field Code Changed
R2-1710048	LS on uplink and downlink channel bandwidth for NR (R4-1709136; contact: Intel)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN1, RAN2		Field Code Changed
R2-1710049	LS on Channel Raster and Synchronization Channel Raster (R4-1709175; contact: Qualcomm)	RAN4	LS in	Rel-15	To:RAN1	Cc:RAN2	Field Code Changed
R2-1710051	LS on scenarios of multiple SSB (R4-1709890; contact: Huawei)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN2	Cc:RAN1	Field Code Changed
R2-1710052	UE timing advance adjustment step size (R4-1709899; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN1	Cc:RAN2	Field Code Changed
R2-1710053	LS on RSSI Definition in Signal Quality Measurements for Mobility in NR (R4-1709910; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT	To:RAN1	Cc:RAN2	Field Code Changed
R2-1710054	LS on NR band numbering (R4-1710045; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT-Core,	To:RAN2, RAN3		Field Code Changed
R2-1710055	Reply LS to RAN2 for NR UE categories and UE capabilities (R4-1710079; contact: Ericsson)	RAN4	LS in	Rel-15 NR_newRAT	Cc:RAN, RAN1		Field Code Changed
R2-1710058	LS on IMT-2020 submission (RP-172099 ; contact: NEC)	RAN	LS in	Rel-15	To:SA, RAN1, RAN2, RAN3, RAN4, RAN5	Cc:CT, RAN6	Field Code Changed
R2-1710059	LS on single Tx switched UL (RP-172100 ; contact: Qualcomm, Intel)	RAN	LS in	Rel-15 NR_newRAT	To:RAN4, RAN2	Cc:RAN1, RAN3	Field Code Changed
R2-1710060	LS on NR UE Category (RP-172113 ; contact: MediaTek)	RAN	LS in	Rel-15 NR_newRAT	To:RAN1	Cc:RAN2, RAN4	Field Code Changed
R2-1710062	Reply LS on unified Access Control for 5G NR (S1-173552; contact: Nokia)	SA1	LS in	Rel-15 SMARTER, NR_newRAT	To:CT1, SA2, RAN2	Cc:CT6	Field Code Changed
R2-1710065	LS on coexistence between RRC inactive and dual connectivity (S2-176158; contact: Qualcomm)	SA2	LS in	Rel-15 5GS_Ph1	To:RAN2, RAN3		Field Code Changed
R2-1710242	LS on simultaneous transmission and/or reception over EPC/E-UTRAN and 5GC/NR (S2-176689; contact: Intel)	SA2	LS in	Rel-15	To:RAN1, RAN2, RAN4		Field Code Changed
R2-1710244	LS on UE/RAN Radio information and Compatibility Request Response (S2-176691; contact: Qualcomm)	SA2	LS in	Rel-15 5GS_Ph1	To:RAN2, RAN3		Field Code Changed
R2-1711007	Response LS on default DRB establishment for PDU session (S2-176475; contact: InterDigital)	SA2	LS in	Rel-15 5GS_Ph1	To:RAN2	Cc:RAN3	
R2-1710251	UE RF related parameters and features for NR	NTT DOCOMO, INC.	discussion	Rel-15 NR_newRAT-Core			
R2-1710252	[DRAFT] LS on UE RF related parameters for NR	NTT DOCOMO, INC.	LS out	Rel-15 NR_newRAT-Core			
R2-1711061	Draft LS resposne on RAN paging are to RAN3 LS R3-173427	Nokia	discussion	Rel-15 NR_newRAT-Core			
R2-1711776	[Draft] Reply LS on simultaneous transmission and/or reception over EPC/E-UTRAN and 5GC/NR	Samsung Electronics GmbH	LS out				

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.

R2-1710253	URLLC Update	Rapporteur (Nokia), Huawei	discussion	Rel-15 NR_newRAT
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R2-1710333	Consideration on the intra-NR Dual connectivity	ZTE Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710693	NG-RAN Stage 2 Rapporteur (Nokia)	draft TSRel-15 38.300 1.0.1		NR_newRAT-Core
R2-1711526	TS 37.340 v1.0.2 Rapporteur (ZTE Corporation)	draft TSRel-15 37.340 1.0.2		NR_newRAT-Core

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

R2-1710140	Impact on PDCP version reconfiguration due to SidelinkUEInformation	OPPO	discussion	
	Rel-15 NR_newRAT-Core			
R2-1710325	Remaining issues of bearer type harmonization	ZTE Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1711517	Security algorithms for NR PDCP at EN-DC capable eNB	Qualcomm Incorporated	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711614	RLC UM support for split bearers in MR-DC	NEC	discussion	Rel-15 NR_newRAT-Core Withdrawn
R2-1711781	Lossless PDCP Version Change between LTE and NR	Samsung	discussion	Rel-15 NR_newRAT-Core R2-1709028

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.

R2-1710141	Discussion on bearer type change	OPPO	discussion	Rel-15 NR_newRAT-Core
R2-1710507	Bearer type change in dual connectivity	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710788	Remaining issues for Allowed Bearer type changes	Samsung R&D Institute India		discussion Rel-15
R2-1711090	Summary of 99#18 Bearer Type Change	Huawei	discussion	Rel-15 NR_newRAT-Core
R2-1711265	Lossless conversion from LTE PDCP to NR PDCP	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT
R2-1711519	Consideration on PDCP version change	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core Withdrawn
R2-1711672	Consideration on PDCP version change	Qualcomm Incorporated	discussion	Rel-15
R2-1711816	PDCP version change for MCG DRBs with handover	SHARP Corporation	discussion	Rel-15 NR_newRAT-Core

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.

R2-1711010	Stage 2 TP for TS 38.300v1.0.0 covering recent LCP agreements	Samsung R&D Institute UK		discussion
R2-1711151	The support of Voice over standalone NR	CMCC, Huawei	discussion	Rel-15 NR_newRAT-Core

R2-1711163	Support of ECN in NR	Ericsson	discussion	Rel-15	NR_newRAT-Core	
R2-1711164	Activation and Deactivation time of Secondary Cells	Ericsson	discussion	Rel-15	NR_newRAT-Core	
R2-1711165	[DRAFT] LS on Activation and Deactivation time of Secondary Cells out	Ericsson		LS		
R2-1711240	Number of DRBs in NR EN-DC and E-UTRA	Ericsson	discussion	Rel-15	NR_newRAT-Core	
R2-1711266	Switching on split bearer at blocking of NR radio	Nokia, Nokia Shanghai Bell	discussion		Rel-15 NR_newRAT	
R2-1711405	Stage-2 aspects of data duplication Core R2-1708097	MediaTek Inc.	discussion	Rel-15	NR_newRAT-	
R2-1711531	Single TX UE operation	Ericsson	discussion	Rel-15		

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.

R2-1710091	Random Access in RRC Connected: Bandwidth Part Aspects	Samsung R&D Institute India	discussion	Rel-15	NR_newRAT-Core	
R2-1710092	SI Reception in RRC Connected: Bandwidth Part Aspects	Samsung R&D Institute India	discussion	Rel-15	NR_newRAT-Core	
R2-1710125	Impact of bandwidth part on CA	OPPO	discussion			
R2-1710126	Timer based BWP switching	OPPO	discussion			
R2-1710216	Definition of cells for idle and connected UEs	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710217	User plane impacts for Bandwidth Parts	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710218	Stage-2 TP for BWP	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710274	Modeling Bandwidth Parts in MAC CATT		discussion	Rel-15	NR_newRAT-Core	
R2-1710275	BWP model	CATT	discussion	Rel-15	NR_newRAT-Core	
R2-1710457	Control plane impacts for Bandwidth Parts	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710578	BWP impact on RRM measurement	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710592	Overall impact in RAN2 for BWP	Intel Corporation	discussion	Rel-15	NR_newRAT-Core	
R2-1710808	Impact of BWP on RRM measurement	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core	
R2-1710864	Basic Framework for Bandwidth Part Operation	MediaTek Inc.	discussion		NR_newRAT-Core	
R2-1710866	Text Proposal for BWP Operation in 38.300	MediaTek Inc.	discussion			
R2-1710867	Text Proposal for BWP Operation in 38.300	MediaTek Inc.	discussion	Withdrawn		
R2-1710965	Discussion on bandwidth part operation	vivo	discussion	R2-1708507		
R2-1711065	Cell and BWP relation in RAN2	Nokia	discussion	Rel-15	NR_newRAT-Core	
R2-1711187	Framework to support bandwidth part in NR	Samsung	discussion	Rel-15		
R2-1711188	Signaling to support bandwidth part	Samsung	discussion	Rel-15		
R2-1711189	Activation/deactivation of bandwidth part	Samsung	discussion	Rel-15		
R2-1711190	RRM measurement to support bandwidth parts in NR	Samsung	discussion	Rel-15		
R2-1711191	Draft LS to RAN1 about BWP activation/deactivation	Samsung	LS out	Rel-15		
R2-1711289	Impact of Bandwidth Parts on SPS Scheduling	Samsung R&D Institute India	discussion			

R2-1711364	Considerations on CC and BWP in NR 15 NR_newRAT-Core	Qualcomm Incorporated	discussion	Rel-
R2-1711387	Impacts of BWP for UE in IDLE and INACTIVE 15 NR_newRAT-Core	LG Electronics Inc.	discussion	Rel-
R2-1711388	RRC Procedures for BWP Configuration NR_newRAT-Core	LG Electronics Inc.	discussion	Rel-15
R2-1711404	RLM/RLF for bandwidth part	Samsung R&D Institute UK	discussion	
R2-1711595	The Impact of Bandwidth Part on RAN2: Overview and Issues discussion	Samsung Electronics		
R2-1711607	Scenarios of Measurement Gap Considering Bandwidth Part discussion	Samsung Electronics		
R2-1711640	Initial discussion on the impacts of BWP on RAN2 15 NR_newRAT-Core	ZTE Corporation	discussion	Rel-
R2-1711822	On Bandwidth Parts and Multiple SSBs 15 NR_newRAT-Core	Ericsson GmbH, Eurolab	discussion	Rel-

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

R2-1710236	Measurement Gap Configuration in MR-DC	OPPO	discussion	R2-1707759
R2-1710355	Coordination of Parameters for Measurements Report Trigger 15 NR_newRAT-Core	Fujitsu	discussion	Rel-
R2-1710374	Considerations for the MN and the SN to configure measurement objects consistently on the same carrier Spreadtrum Communications	discussion	Rel-15	R2-1707971
R2-1710811	NR measurement object configuration in SN 15 NR_newRAT-Core R2-1708900	LG Electronics Inc.	discussion	Rel-
R2-1710855	NR SN serving cell measurements in LTE measurement reports discussion Rel-15 NR_newRAT	Nokia, Nokia Shanghai Bell		
R2-1710929	Discussion on measurement gap 1708421 vivo	discussion	Rel-15	NR_newRAT-Core R2-
R2-1711092	Measurement coordination for LTE-NR DCHuawei, HiSilicon NR_newRAT-Core		discussion	Rel-15
R2-1711753	Measurement Capability Coordination for EN-DC 15	NTT DOCOMO INC.	discussion	Rel-

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

R2-1710329	Consideration on the Remaining issues of EN-DC in TS 37.340 discussion Rel-15 NR_newRAT-Core	ZTE Corporation		
R2-1710508	Discussion on the SCG change procedure Core Ericsson	discussion	Rel-15	NR_newRAT-
R2-1710856	Clarification for MN involvement during intra-SN PSCell change discussion Rel-15 NR_newRAT	Nokia, Nokia Shanghai Bell		

R2-1711002	Differentiating SUO, SUL and ULS	Nokia, Nokia Shanghai Bell	discussion	Rel-15
	NR_newRAT-Core			
R2-1711003	Further discussion on supporting 1Tx UE in EN-DC	Nokia, Nokia Shanghai Bell		
	discussion Rel-15 NR_newRAT-Core			
R2-1711096	Support SCG capability handling via SCG SRB	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core R2-1709940			
R2-1711381	SCG change related remaining issues in MRDC	Samsung R&D Institute UK	discussion	
R2-1711478	Further discussion on MN-SN procedures	OPPO	discussion	
R2-1711527	Summary of email discussion [99#49] on MN/SN procedures	ZTE Corporation		
	discussion Rel-15			
R2-1711772	RB related parameters transfer between MN and SN	NTT DOCOMO INC.	discussion	
	Rel-15 NR_newRAT-Core			

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.

R2-1710326	Remaining issues of Security aspects	ZTE Corporation	discussion	Rel-15
	NR_newRAT-Core			
R2-1710328	Draft LS to SA3 on SCG SRB integrity check failure	ZTE Corporation	discussion	
	Rel-15 NR_newRAT-Core Withdrawn			
R2-1710621	SRB3 IP check failure handling	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1711094	UP integrity protection check failure handling in LTE-NR DC	Huawei, HiSilicon		
	discussion Rel-15 NR_newRAT-Core			
R2-1711095	S-KeNB related issues for LTE-NR interworking	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1711352	Consequences of handover without key change on SRB PDCP	Ericsson	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711520	Usage of data integrity protection for DRB	Qualcomm Incorporated	discussion	Rel-15
	NR_newRAT-Core			
R2-1711548	draft LS on AS security algorithms for EN-DC capable eNB	Qualcomm Incorporated	discussion	
	Rel-15 Withdrawn			
R2-1711622	draft LS on AS security algorithms for EN-DC capable eNB	Qualcomm Europe Inc.(Italy)	other	
	Rel-15			
R2-1711794	Draft LS to SA3 on SCG SRB integrity check failure	ZTE Corporation	discussion	
	Rel-15 NR_newRAT-Core			

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.

R2-1710276	Measurement results of serving cells	CATT	discussion	Rel-15 NR_newRAT-Core
	R2-1707886			
R2-1710327	Remaining issues of inactive mode handling	ZTE Corporation	discussion	Rel-15
	NR_newRAT-Core			
R2-1710330	Consideration on inter-MN handover with SN change	ZTE Corporation	discussion	
	Rel-15 NR_newRAT-Core			
R2-1710332	Reply LS to SA2 on handling DC and INACTIVE STATE	ZTE Corporation	discussion	
	Rel-15 NR_newRAT-Core			
R2-1710380	Text Proposal for Stage 2 on EN-DC	Spreadtrum Communications	discussion	Rel-15

R2-1710608	Support of single TX UL	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710857	SN modification during intra-MN HO	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT-Core
R2-1710858	Handling for inter-SN change during inter-MN HO	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT-Core
R2-1710899	Discussion on SUL carrier	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710930	Report of SCell-failure of PDCP duplication	Core	vivo discussion	Rel-15	NR_newRAT-Core
R2-1710931	Behavior on SCG failure and TP for 37340	vivo	discussion	Rel-15	NR_newRAT-Core
R2-1711004	Considerations on fast access inter-site small cells in NR	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT-Core R2-1707831
R2-1711018	LTE-NR Coexistence	Sony	discussion	Rel-15	NR_newRAT-Core
R2-1711091	Clarification on duplication SRB in EN-DC	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1711093	Secondary RAT data volume report	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1711148	Capability signaling for single UL transmission	Core	vivo discussion	Rel-15	NR_newRAT-Core
R2-1711354	NSA Single Tx UE capabilities	T-Mobile USA Inc.	discussion	Rel-15	NR_newRAT-Core
R2-1711529	Split SRB: HO command duplication	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711659	TP on SN modification without MN involvement	HTC Corporation	discussion	NR_newRAT-Core R2-1708243	
R2-1711663	Performance Evaluation of LTE NR DC Dual UL / Single UL and UE Capability	agenda	Apple GmbH		
R2-1711666	Support of full configuration per CG	HTC Corporation, MediaTek Inc.	discussion	R2-1709407	
R2-1711679	UE capability indication for single UL transmission of LTE-NR DC	Apple Inc., Oppo, ZTE	discussion	Rel-15	NR_newRAT-Core
R2-1711680	ANR for NR	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core R2-1709128
R2-1711701	Power management by cross-RAT signaling in NSA configuration	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core R2-1709114
R2-1711756	Consideration on duplication on SRB for CA case	CATT	discussion	Rel-15	NR_newRAT-Core R2-1707888
R2-1711758	Remaining issues on SCG failure handling	NTT DOCOMO INC., Nokia, Nokia Shanghai Bell, NEC, Fujitsu	discussion	Rel-15	NR_newRAT-Core
R2-1711777	RAN2 impact from single uplink EN-DC	Samsung Electronics GmbH	discussion		
R2-1711824	Considerations on support of supplementary uplink frequency	CMCC	discussion	Rel-15	NR_newRAT-Core R2-1711809

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.

R2-1710293	Discussion on SCG Change	CATT	discussion	Rel-15	NR_newRAT-Core
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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

R2-1710262	Further discussion on information for handover	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1710379	Text Proposal for Stage 2 on Mobility in RRC_CONNECTED	Spreadtrum Communications		
	discussion	Rel-15	Withdrawn	
R2-1710430	Discussion on the support of MBB and RACH-less in NR	ZTE Corporation, Sane Chips		
	discussion	Rel-15		
R2-1710588	Summary of [NR#28][NR] beam selection for HO access	Intel Corporation	discussion	
	Rel-15 NR_newRAT-Core			
R2-1710589	Remaining issue in RACH procedure during handover	Intel Corporation	discussion	
	Rel-15 NR_newRAT-Core			
R2-1710869	TP on Basic HO Considering the FFS Issues	MediaTek Inc.	discussion	
R2-1710932	Remaining issues for baseline handover procedure	vivo	discussion	Rel-15
	NR_newRAT-Core			
R2-1711260	Data Forwarding in intra-system Handover	Samsung R&D Institute India	discussion	
R2-1711681	Basic handover procedure considering beam	LG Electronics Inc.	discussion	Rel-15
	NR_newRAT-Core			
R2-1711712	Open Issues for Basic Handover Procedure	NTT DOCOMO INC.	discussion	Rel-15
	NR_newRAT-Core			
R2-1711761	Information carried from source node to target node during handover preparation phase	ITRI		
	discussion	NR_newRAT-Core		

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.

R2-1710169	Ping Pong Issues for Conditional Handover	TCL	discussion	NR_newRAT-Core
R2-1710264	3 Types of HO in NR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	R2-1708879			
R2-1710265	Further discussion on Conditional HO	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708886		
R2-1710266	DC based NR scheme for 0ms interruption handover	Huawei, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core	R2-1708877		
R2-1710267	Security key change without L2 reset	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708878		
R2-1710268	DC for intra-frequency mobility in NR	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708880		
R2-1710269	Requirement of RACH procedure for mobility	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708881		
R2-1710270	Mobility enhancements for PCell change	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708882		
R2-1710271	Potential Advantages of multi-connectivity with multiple MAC entities within an NR cell	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
				R2-1708884
R2-1710272	Inter MN handover without SN change	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1708885		
R2-1710273	Allocation of appropriate RACH resources for handover	Huawei, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core	R2-1708883		

R2-1710434	Targeting a Lossless handover with 0ms interruption discussion Rel-15	ZTE Corporation, Sane Chips		
R2-1710435	Discussion on single connected handover Rel-15	ZTE Corporation, Sane Chips	discussion	Rel-
R2-1710543	Automatic Neighbour Relation in NR 1708208	Huawei, HiSilicon	discussion	Rel-15 R2-
R2-1710590	HO optimization for Rel15 Intel Corporation		discussion	Rel-15 NR_newRAT-Core
R2-1710669	Conditional Reconfiguration for NR Core R2-1708736	InterDigital	discussion	Rel-15 NR_newRAT-
R2-1710700	Mobility enhancements for NR SA Samsung		discussion	Rel-15 NR_newRAT-Core
R2-1710701	Mobility enhancements for NR NSA Core	Samsung	discussion	Rel-15 NR_newRAT-
R2-1710713	Discussion on feasibility of DC-based mobility enhancement Rel-15 NR_newRAT-Core		Samsung	discussion
R2-1710849	Enhancing Handover Failure Ericsson		discussion	Rel-15 NR_newRAT-Core
R2-1710850	Conditional Handover Ericsson		discussion	Rel-15 NR_newRAT-Core
R2-1710851	On Reliability, overhead and controllability aspects of Conditional Handover discussion Rel-15 NR_newRAT-Core			Ericsson
R2-1710871	Mobility Enhancement for '0ms Interruption' HO Core R2-1708002	MediaTek Inc.	discussion	NR_newRAT-
R2-1710872	One or Multiple NR-Cells per MAC Entity R2-1708003	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710873	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710874	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710875	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710876	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710877	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710878	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710879	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710880	One or Multiple NR-Cells per MAC Entity R2-1708003 Withdrawn	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710892	Discussion on conditional handover in NR KT Corp.		discussion	
R2-1710977	Discussion on Conditional Handover in NRASTRI, TCL Communication Ltd.			discussion
R2-1711141	0 ms interruption support in NR R2-1708028	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711142	RACHless HO in NR when UE is in CA or DC NR_newRAT-Core R2-1708029	Ericsson	discussion	Rel-15
R2-1711396	Handling of SRBs in connection re-establishment Rel-15 NR_newRAT-Core R2-1708460	LG Electronics Inc.	discussion	Rel-
R2-1711406	The feasibility of intra-frequency dual connectivity in NR-NR DC discussion	Samsung R&D Institute UK		
R2-1711412	Problem of DC enhancement for 0 ms interruption time discussion	Samsung R&D Institute UK		
R2-1711413	Introduction of Conditional handover Samsung R&D Institute UK		discussion	
R2-1711416	Operational aspects of conditional handover mechanism discussion R2-1708839	Samsung R&D Institute UK		

R2-1711419	DRB Handling while RRC Connection Re-establishment in NR discussion	Rel-15 NR_newRAT-Core	LG Electronics Finland
R2-1711599	The Necessity of T312 in NR	Samsung Electronics discussion	R2-1709602
R2-1711600	Conditional Handover: Event Design Aspects	Samsung Electronics discussion	R2-1709603
R2-1711602	Beam Refinement Considering RRM Measurement based on Idle Mode RSS discussion	R2-1709604	Samsung Electronics
R2-1711678	Intra-Frequency DC to Enable Mobility with Close to Zero ms Interruption	AT&T discussion	R2-1708204
R2-1711682	Conditional handover procedure	LG Electronics Inc. discussion	Rel-15 NR_newRAT-Core R2-1707134
R2-1711720	NR RRC based Inter DU mobility	Samsung Electronics discussion	

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

R2-1710237	Discussion on NR Beam Failure and Radio Link Failure	OPPO discussion	
R2-1710443	Way forward on RLM aspects for SCG	ZTE Corporation, Sane Chips discussion	Rel-15
R2-1710560	RLF for NR	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core
R2-1710625	RLM and RLF	Intel Corporation discussion	Rel-15 NR_newRAT-Core
R2-1710838	Remaining open issues of RLM and RLF in NR	Ericsson discussion	NR_newRAT-Core
R2-1710881	RLM/RLF Considering Beam Failure Recovery discussion	MediaTek Inc., Qualcomm Incorporated NR_newRAT-Core R2-1707998	
R2-1710919	RLM/RLF in NR vivo	discussion	Rel-15 NR_newRAT-Core R2-1708417
R2-1711414	NR RLM and RLF procedure	Samsung R&D Institute UK discussion	
R2-1711417	RLF considering Beam Recovery Failure	LG Electronics Finland discussion	Rel-15 NR_newRAT-Core
R2-1711615	RLF declaration after beam recovery failure	NEC discussion	Rel-15 NR_newRAT-Core
R2-1711676	Configuration of IS/OOS BLER Thresholds for RLM	AT&T discussion	
R2-1711770	Beam recovery and RLF	CATT discussion	Rel-15 NR_newRAT-Core R2-1707892

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

R2-1710561	RAN2 aspects of UL beam management	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core
R2-1710562	RAN2 aspects of DL beam management	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core
R2-1710563	Consideration on DRX with beam management	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core
R2-1710564	Handling of resources for beam failure recovery	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core
R2-1710565	CSI-RS configuration for beam management	Huawei, HiSilicon discussion	Rel-15 NR_newRAT-Core

R2-1710626	RAN2 implications for beam managements 15 NR_newRAT-Core	Intel Corporation	discussion	Rel-
R2-1710870	Beam Management and Beam Recovery in MAC Core R2-1707999	MediaTek Inc.	discussion	NR_newRAT-
R2-1710920	RACH configuration for beam recovery	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1711081	Discussion on beam recovery request in NR discussion Rel-15 NR_newRAT-Core	ASUSTEK COMPUTER (SHANGHAI) R2-1709320		
R2-1711337	Beam link monitoring in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711341	RRC configuration beam management in NR NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711348	Beam management in C-DRX Core R2-1709223	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-
R2-1711350	Measurement reporting and beam refinement during RACH discussion Rel-15 NR_newRAT-Core	Qualcomm Incorporated R2-1709088		
R2-1711360	Beam reporting and refinement during handover 15 NR_newRAT-Core R2-1709091	Qualcomm Incorporated	discussion	Rel-
R2-1711361	Beam recovery request	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
R2-1711363	Beam refinement after beam recovery or scheduling request discussion Rel-15 NR_newRAT-Core	Qualcomm Incorporated R2-1709090		
R2-1711370	Dedicated resource configuration for beam failure recovery	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711382	Prioritized random access for beam failure recovery discussion Rel-15 NR_newRAT-Core	Lenovo, Motorola Mobility R2-1709073		
R2-1711450	Beam Recovery in NR	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT-
R2-1711451	Beam management Core R2-1708678	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT-
R2-1711675	Inter-Cell Mobility with Limited RRC Involvement	AT&T	discussion	
R2-1711713	Aperiodic indications based on Beam Recovery	Samsung Electronics	discussion	
R2-1711719	NR details of beam recovery procedure	Samsung Electronics	discussion	
R2-1711721	NR signals for downlink beam management	Samsung Electronics	discussion	

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.

R2-1710189	Inter-system and inter-RAT mobility LTE_5GCN_connect-Core R2-1707839	Ericsson	discussion	Rel-15
R2-1710566	Inter-RAT handover between LTE and NR NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710567	Message content in inter-RAT handover NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710804	Mobility between E-UTRAN and NR	Qualcomm Incorporated	discussion	R2-1709637
R2-1710837	UE context handling during inter RAT handover NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711069	Events and measurements for handover from E-UTRA to NR discussion Rel-15 NR_newRAT-Core	Huawei, HiSilicon		
R2-1711302	Supporting Lossless Inter-RAT Handover	Samsung R&D Institute India	discussion	
R2-1711647	NR inter-RAT mobility to CSG cell	LG Electronics Inc.	discussion	Rel-15 R2-1709280

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.

R2-1710198	Key refresh at handover in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710254	Integrity Protection Verification Failure Handling in NR	Nokia, Nokia Shanghai Bell		
	discussion	Rel-15 NR_newRAT		
R2-1710346	Re-establishment upon integrity check failure	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core R2-1709611
R2-1710347	Draft LS to SA3 on reestablishment upon integrity check failure	Huawei, HiSilicon		
	discussion	Rel-15 NR_newRAT-Core		R2-1709612
R2-1710348	Integrity protection and Counter Check Procedure for NR	Huawei, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core	R2-1709614		
R2-1710542	Procedures for enabling security per bearer	Huawei, HiSilicon	discussion	Rel-15
R2-1710834	Way forward with Security in RRC Inactive	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710921	UE Behavior on DRB IP check failure	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1710922	Draft LS on UE Behavior on DRB IP check failure	vivo	LS out	Rel-15 NR_newRAT-Core
R2-1710923	DRB IP check failure indication	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1710924	Draft LS on DRB IP check failure indication	vivo	LS out	Rel-15 NR_newRAT-Core

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.

R2-1710133	TP to running CR on Dedicated Priority for Inter-Frequency Cell Reselection for Slicing	OPPO, Coolpad	discussion	R2-1710173
R2-1710163	Demerits of using Slice information for Cell selection	Lenovo Mobile Com. Technology		
	discussion	NR_newRAT-Core		R2-1709423
R2-1710172	Discussion on Working Assumption on Dedicated Priority for Network Slicing	OPPO, Coolpad	discussion	
R2-1710173	TP to running CR on Dedicated Priority for Inter-Frequency Cell Reselection for Slicing	OPPO	discussion	
R2-1710174	Discussion on Several Issues for Network Slicing	OPPO	discussion	R2-1708038
R2-1710195	Signalling aspects of network slicing	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710196	Slice availability	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710197	Access control and slicing	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710219	Further Discussion on Slice Selection Information over RRC	Huawei, HiSilicon		
	discussion	Rel-15 NR_newRAT-Core		
R2-1710220	Slice-based Unified Access Control	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710221	Slice Availability for Cell Reselection	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710222	What is RAN part of a network slice ?	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710422	Leftover issues for NW slicing	ZTE Corporation, Sane Chips	discussion	Rel-15
R2-1710785	Slicing support and cell reselection	Qualcomm Incorporated	discussion	
R2-1710925	UE registered slices information at gNB	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1711020	NSSAI in MSG5	Sony	discussion	Rel-15 NR_newRAT-Core R2-1709509

R2-1711080	Cell selection/reselection with network slicing Core	vivo	discussion	Rel-15 NR_newRAT-
R2-1711155	AMF selection based on assistance information 15 NR_newRAT-Core R2-1709303	LG Electronics Inc.	discussion	Rel-
R2-1711192	Connected mobility aspects to support network slicing 15	Samsung	discussion	Rel-
R2-1711284	Slice assistance information over RRC 15 NR_newRAT-Core	Nokia, Nokia Shanghai Bell	discussion	Rel-
R2-1711285	Control of the frequency on which the UE camps Rel-15 NR_newRAT-Core	Nokia, Nokia Shanghai Bell	discussion	
R2-1711762	Discussion on cell reselection for network slicing	ITRI	discussion	NR_newRAT-Core
R2-1711779	Initial Access considering Network Slices 1709167	Samsung Electronics GmbH	discussion	R2-
R2-1711791	Slice Information in RRC	Samsung Electronics GmbH	discussion	R2-1709168

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.

R2-1710072	On the number of DRBs for NR	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1710223	DRB Level Offloading in NR DC Core	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-
R2-1710224	Notification Control	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710255	QoS Update	Rapporteur (Nokia)	discussion	Rel-15 NR_newRAT
R2-1710440	QoS remaining aspects for NR-NR DC 15	ZTE Corporation, Sane Chips	discussion	Rel-
R2-1710441	QoS flow to DRB mapping during handover for bearers with reflective QoS Sane Chips	discussion Rel-15		ZTE Corporation,
R2-1710926	Lossless HO for QoS flow and DRB offloading Core	vivo	discussion	Rel-15 NR_newRAT-
R2-1710983	On default DRB, default QoS flow and profile NR_newRAT-Core	Samsung	discussion	Rel-15
R2-1711234	Default DRB system impact and signalling aspects NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711235	QoS Flow Remapping in Handover and Within the Same Cell Rel-15 NR_newRAT-Core	Ericsson	discussion	
R2-1711238	QoS Flow Relocation in NR-DC between MN and SN 15 NR_newRAT-Core	Ericsson	discussion	Rel-
R2-1711239	QoS impact on number of DRBs supported NR_newRAT-Core Withdrawn	Ericsson	discussion	Rel-15

10.2.17 Positioning

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

R2-1710538	Protocol impacts of positioning in NR 1708209	Huawei, HiSilicon	discussion	Rel-15 R2-
R2-1710884	Discussion on NR positioning	ZTE Corporation	discussion	
R2-1711045	Text Proposal for Clause 1 to 3 of TS 38.305 15 NR_newRAT	Qualcomm Incorporated	discussion	Rel-
R2-1711047	Text Proposal for Clause 4 of TS 38.305	Qualcomm Incorporated	discussion	

R2-1711048	Text Proposal for Clause 5 of TS 38.305	Qualcomm Incorporated	discussion	
R2-1711049	Text Proposal for Clause 6 of TS 38.305	Qualcomm Incorporated	discussion	
R2-1711051	Text Proposal for Clause 7 of TS 38.305	Qualcomm Incorporated	discussion	
R2-1711052	Text Proposal for Clause 8 of TS 38.305	Qualcomm Incorporated	discussion	
R2-1711357	Support of measurement gaps for location related inter-RAT measurements	Ericsson		
	discussion Rel-15			
R2-1711358	Text proposal for 38.305 skeleton	Ericsson	discussion	Rel-15
R2-1711691	Support NR positioning under dual connectivity	LG Electronics Inc.	discussion	Rel-15
	NR_newRAT-Core			

10.2.18 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.

R2-1710074	Text proposal for clarifications on the NR RRC states	Samsung, Rapporteur (Nokia)		
	discussion Rel-15 NR_newRAT-Core			
R2-1710076	Text proposal for clarifications on NR slicing	Samsung	discussion	Rel-15
	NR_newRAT-Core			
R2-1710277	Release of SCG SCell and PSCell change CATT		discussion	Rel-15 NR_newRAT-Core
R2-1711426	Text proposal to 38.300 on removing mini-slot	HUAWEI TECHNOLOGIES Co. Ltd.		
	discussion Rel-15			
R2-1711778	Text proposal for clarifications on the NR identities	Samsung	discussion	Rel-15
	NR_newRAT-Core			

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.

R2-1710324	Consideration on the dual registration operation	ZTE Corporation	discussion	Rel-15
	NR_newRAT-Core			
R2-1710345	Details on support of Rel-14 voice enhancements in SA NR	Huawei, HiSilicon		
	discussion Rel-15 NR_newRAT-Core	R2-1709610		
R2-1710474	Support for IMS Emergency calls in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710810	Mobility history reporting in NR	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core
	Core R2-1708905			
R2-1710927	Impacts of dual camping UE	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1710928	Draft reply LS on dual camping	vivo	LS out	Rel-15 NR_newRAT-Core
R2-1711070	Discussion on the support of SCG SRB for intra-NR DC	Huawei, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711088	Bearer handling in NR-E-UTRA Dual Connectivity	Samsung R&D Institute India	discussion	
	Rel-15 R2-1708439			
R2-1711140	Discussion on SCG SRB for NR-NR DC	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711156	Support for IMS Emergency services in NR	LG Electronics Inc.	discussion	Rel-15
	NR_newRAT-Core R2-1709305			
R2-1711193	Numerology configuration in NR	Samsung	discussion	Rel-15
R2-1711244	PDCCP duplication for AM operation	Ericsson	discussion	Rel-15 NR_newRAT-Core

R2-1711383	AS context in RRC_IDLE	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core
R2-1711415	RLF Procedure for NR-NR Dual connectivity	Samsung R&D Institute UK	discussion	
R2-1711549	CP latency in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711550	UP latency in NR	Ericsson	discussion	Rel-15
R2-1711563	Considerations of RAN impact of LTE-NR dual registration	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT
R2-1711565	UE Voice Capability	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT
R2-1711632	PUCCH and PUSCH on SUL	Samsung	discussion	NR_newRAT-Core
R2-1711665	Suspension to INACTIVE in NR Dual connectivity	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core
R2-1711718	CSI-RS IDs for NR beam and RRM measurement	Samsung Electronics	discussion	
R2-1711734	Further considerations on radio network identities for NR	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1711793	RAN2 consideration on control plane latency enhancement	Samsung Electronics GmbH	discussion	R2-1709170
R2-1711802	Further discussion on Carrier Aggregation baseline in NR	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core R2-1709575
R2-1711803	RAN2 aspect on fast carrier switch	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core R2-1709576
R2-1711804	Needs of Fast Carrier Switch in NR	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core R2-1709577
R2-1711805	Reference waveform for uplink transmission	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core R2-1709579
R2-1711808	Connected mode aspects of supplementary uplink frequency	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core

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

R2-1710127	MAC modelling of PDCCH monitoring occasion and TTI	OPPO	discussion	
R2-1710291	Replacing NR-UNIT across MAC specification	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710655	Timing Aspects in MAC	InterDigital	discussion	Rel-15 NR_newRAT-Core
R2-1710816	MAC timing modelling	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT
R2-1710973	Time unit of MAC timers	vivo	discussion	
R2-1711169	Modelling of PDCCH Monitoring considering duplex modes	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711195	Revisiting TTI as NR-UNIT	Samsung	discussion	Rel-15

R2-1711427	MAC modelling of PDCCH monitoring and TTI length Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion
R2-1711763	Timing terminologies in MAC	ITRI	discussion NR_newRAT-Core

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.

R2-1710080	Random Access in NR: RAR MAC Subheader Design discussion Rel-15 NR_newRAT-Core	Samsung R&D Institute India
R2-1710112	Details on RAR MAC PDU	Huawei, HiSilicon discussion Rel-15 NR_newRAT-Core
R2-1710113	Discussions on MAC PDU construction NR_newRAT-Core Withdrawn	Huawei, HiSilicon discussion Rel-15
R2-1710292	MAC RAR PDU CATT discussion	Rel-15 NR_newRAT-Core
R2-1710395	Enhancement for the Transparent MAC PDU	CMCC discussion Rel-15 NR_newRAT-Core
R2-1710907	MAC CE formats for NR	Samsung discussion Rel-15 NR_newRAT-Core
R2-1710962	Remaining issue for RAR	vivo discussion
R2-1711166	MAC PDU discard due to unknown MAC CEs NR_newRAT-Core	Ericsson discussion Rel-15
R2-1711174	RAR Design and Contents	Ericsson discussion Rel-15 NR_newRAT-Core
R2-1711267	Subheader formats for MAC RAR PDU	Nokia, Nokia Shanghai Bell discussion Rel-15 NR_newRAT
R2-1711581	Padding for NR	Samsung discussion Rel-15 NR_newRAT-Core R2-1709584
R2-1711784	Handling of Unknown, Unforeseen and Erroneous Protocol Data Rel-15 NR_newRAT-Core	Samsung 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

R2-1710315	Consideration on the RACH parameters NR_newRAT-Core	ZTE Corporation	discussion Rel-15
R2-1710415	On Prioritization of Random Access	PANASONIC R&D Center Germany	discussion
R2-1710489	Differentiation of RA parameters NR_newRAT-Core	Lenovo, Motorola Mobility	discussion Rel-15
R2-1710657	RACH Configuration in Handover R2-1708730	InterDigital	discussion Rel-15 NR_newRAT-Core
R2-1710961	Group the different RACH events	vivo	discussion
R2-1711040	Categorized Events for Differentiation of backoff and power ramping parameter	Beijing Xiaomi Mobile Software	discussion Rel-15
R2-1711152	Discussions on configuration of parameter differentiation for RACH	CMCC	discussion Rel-15 NR_newRAT-Core

R2-1711428	Further discussion on differentiation for SR-triggered Random Access discussion	Rel-15 NR_newRAT-Core	Huawei, HiSilicon
R2-1711634	Differentiation of Backoff parameter and/or power ramping	NR_newRAT-Core	Samsung discussion
R2-1711695	Details of prioritized random access	AsusTek, CATT, Convida, Ericsson, Huawei, Intel, Interdigital, ITRI, OPPO, Qualcomm, Vivo	discussion Rel-15 NR_newRAT-Core

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

R2-1710078	Beamformed RA: Additional Power Ramping Aspects discussion	Rel-15 NR_newRAT-Core	Samsung R&D Institute India
R2-1710079	Draft LS on RA preamble power ramping counter update out	Rel-15 NR_newRAT-Core	Samsung R&D Institute India LS
R2-1710614	Random Access multi-beam aspects	NR_newRAT-Core	Intel Corporation discussion Rel-15
R2-1710656	PRACH Resource Configurations for BeamformingInterDigital	NR_newRAT-Core	discussion Rel-15
R2-1710771	Random access with beam operation	NR_newRAT-Core	Huawei, HiSilicon discussion Rel-15
R2-1710865	Discussion on random access with multi-beam operations	NR_newRAT-Core R2-1709422	HTC Corporation discussion
R2-1711025	Remaining Issues on RACH Procedure	Sony discussion	Rel-15 NR_newRAT-Core
R2-1711050	Multiple preamble transmission for contention free RACH discussion	Rel-15	Beijing Xiaomi Mobile Software
R2-1711086	Discussion on multiple Msg1 transmissions for contention free RACH	COMPUTER (SHANGHAI) discussion	ASUSTEK Rel-15 NR_newRAT-Core
R2-1711176	Preamble modeling and configuration with multiple SSBs	Rel-15 NR_newRAT-Core	Ericsson discussion Rel-15
R2-1711608	Random Access procedure for multi-beam operation		LG Electronics Inc. discussion

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.

R2-1710081	Random Access in NR: Contention Resolution	Rel-15 NR_newRAT-Core	Samsung R&D Institute India discussion
R2-1710102	Msg1 based SI Request: DL TX Beam Identification discussion	Rel-15 NR_newRAT-Core R2-1707681	Samsung R&D Institute India
R2-1710103	Msg1 based SI Request: PRACH Preamble Selection discussion	Rel-15 NR_newRAT-Core	Samsung R&D Institute India
R2-1710294	The impact of On Demand SI on RA procedure	Core R2-1707928	CATT discussion Rel-15 NR_newRAT-Core
R2-1710357	RA-RNTI calculation	Fujitsu discussion	Rel-15 NR_newRAT-Core
R2-1710613	Random access procedural aspects	NR_newRAT-Core	Intel Corporation discussion Rel-15
R2-1710717	Discussion on non-contention based random access	Rel-15 NR_newRAT-Core R2-1709259	Huawei, HiSilicon discussion
R2-1710772	Contention resolution for random access	NR_newRAT-Core	Huawei, HiSilicon discussion Rel-15

R2-1710773	Selection of random access preamble in NR 15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710775	Calculation of RA-RNTI	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710776	Discussion on the procedure of MSG1-based SI request Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	
R2-1710784	Power ramping for Msg1 transmission with no beam forming discussion Rel-15 NR_newRAT-Core	Withdrawn	Huawei, HiSilicon	
R2-1710909	Triggering/initiating Random Access Procedure in NR 15 NR_newRAT-Core R2-1709005	Samsung	discussion	Rel-
R2-1710910	Triggering/initiating Random Access Procedure in NR 15 NR_newRAT-Core R2-1709005	Withdrawn	Samsung	discussion Rel-
R2-1710964	Stop SI request due to RRC connection setup RACH	vivo	discussion	R2-1708494
R2-1711028	MAC PDU format for Random Access Response Rel-15 NR_newRAT-Core	Lenovo, Motorola Mobility	discussion	
R2-1711173	Remaining Issues of Message 3 Size Indication NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711175	RA-RNTI for NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711306	MSG4 content for on-demand SI request for SI broadcast	MediaTek Inc.	discussion	R2-1708046
R2-1711443	Text proposal for Random access	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711609	Considerations for RA-RNTI calculation	LG Electronics Inc.	discussion	NR_newRAT-Core
R2-1711642	Grouping SI request responses in random access procedure 15	III	discussion	Rel-
R2-1711707	Enhancement for mitigating contention in random access Rel-15 NR_newRAT-Core R2-1709120	Qualcomm Incorporated	discussion	
R2-1711731	RA for Msg1 based SI request	LG Electronics UK	discussion	NR_newRAT-Core

10.3.1.4.4 Other aspects related to RA

R2-1710105	Multiple Message 1 Transmissions 15 NR_newRAT-Core	Samsung R&D Institute India	discussion	Rel-
R2-1710107	Random Access Procedure for RRC INACTIVE State discussion Rel-15 NR_newRAT-Core	R2-1707685	Samsung R&D Institute India	
R2-1710774	RAR monitoring occasion in RAR window NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15

10.3.1.5 SR

SR configuration, mapping and transmission for CA case
Handling of timers and SR_counters
SR cancelation and failure handling

R2-1710108	Remaining issues on multiple SR configurations 15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710109	SR procedure in NR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710110	SR failure handling in NR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710111	SR configuration and transmission for CA case in NR Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	
R2-1710128	Details of SR procedure	OPPO	discussion	R2-1707736
R2-1710129	SR configuration in CA case	OPPO	discussion	
R2-1710130	Impact of bandwidth part on SR configuration	OPPO	discussion	
R2-1710295	Further details on the SR procedure	CATT	discussion	Rel-15 NR_newRAT-Core

R2-1710296	SR configuration, mapping and transmission for CA case	CATT	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710319	Consideration on the SR in NR	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710336	Text Proposal for TS 38.321 covering SR operation in NR	Samsung R&D Institute UK	discussion		
R2-1710337	Handling absence of SR resource in NR	Samsung R&D Institute UK	discussion		
R2-1710339	Behaviour in case of multiple SR triggers and collision resolution	Samsung R&D Institute UK	discussion		
R2-1710341	On LCH-to-SR-configuration mapping within the multi-BWP framework	Samsung R&D Institute UK	discussion		
R2-1710358	SR procedure with multiple SR configurations	Fujitsu	discussion	Rel-15	NR_newRAT-Core
R2-1710605	Handling multiple SR configurations	Intel Corporation	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710658	Multiple SR Configurations in NR	InterDigital	discussion	Rel-15	NR_newRAT-Core
R2-1710817	SR procedure for NR	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT
R2-1710824	Discussion on SR_Counter	Potevio	discussion		
R2-1710868	Discussion on details of SR procedures	HTC Corporation	discussion		NR_newRAT-Core
	R2-1709419				
R2-1710971	Discussion on the SR configurations for CA case	vivo	discussion		
R2-1710974	Discussion on the SR cancellation and failure handling	vivo	discussion		
R2-1711087	Consideration on multiple SR configurations	ASUSTEK COMPUTER (SHANGHAI)			
	discussion	Rel-15	NR_newRAT-Core	R2-1709328	
R2-1711178	Remaining issues for Scheduling Request	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711179	SR failure handling for multiple pending SRs	Ericsson	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711296	Scheduling Request Enhancement for Latency Reduction	Spreadtrum Communications	discussion		
R2-1711303	SR design supporting multiple configurations	MediaTek Inc.	discussion		
R2-1711696	SR procedures with multiple SR configurations	Qualcomm Incorporated	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711729	Multiple SR in NR	LG Electronics UK	discussion		NR_newRAT-Core
				R2-1709151	
R2-1711764	Discussion on SR configuration mapping	ITRI	discussion		NR_newRAT-Core
R2-1711765	Discussion on SR procedure	ITRI	discussion		NR_newRAT-Core

10.3.1.6 BSR

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

BSR cancellation

R2-1710202	Design of BSR format and BS table	Huawei, HiSilicon	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710203	BSR procedure	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710204	BSR impacts on SR trigger	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710205	BSR enhancement for SDAP	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
	R2-1707725				
R2-1710241	BSR enhancements with multiple numerologies	SHARP Corporation	discussion		
R2-1710256	BSR Formats	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT
R2-1710297	Discussion on BSR cancellation	CATT	discussion	Rel-15	NR_newRAT-Core
	R2-1707919				

R2-1710298	BSR MAC CE	CATT	discussion	Rel-15	NR_newRAT-Core
R2-1710320	Consideration on BSR for URLLC in NR	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710334	Text Proposal for TS 38.321 covering BSR triggering operation in NR	Institute UK	discussion	Samsung R&D	
R2-1710352	Discussion on BSR format	OPPO	discussion		
R2-1710356	MAC TP for BSR	Fujitsu	discussion	Rel-15	NR_newRAT-Core
R2-1710606	BSR enhancement	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710695	BSR design to support pre-processing	MediaTek Inc.	discussion	Rel-15	NR_newRAT-Core
	R2-1708270				
R2-1710783	Considerations on BSR in EN-DC	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710900	Discussion on NR BSR formats	KT Corp.	discussion		
R2-1710918	Short BSR format	Samsung	discussion	Rel-15	NR_newRAT-Core
R2-1710963	BSR format in NR vivo		discussion	R2-1708491	
R2-1711119	Details of BSR formats	ETRI	discussion		
R2-1711180	Further aspects on BSR transmission and cancellation	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711181	Aspects of BSR format and tables	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711185	BSR Text proposal	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711304	NR BSR format design	MediaTek Inc.	discussion		
R2-1711580	Long BSR format	Samsung	discussion	Rel-15	NR_newRAT-Core
	R2-1709585				
R2-1711697	A unified format for BSRs	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711708	On BSR cancellation conditions	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
	R2-1709123				
R2-1711723	Flexible BSR	LG Electronics UK	discussion	NR_newRAT-Core	R2-1709149

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

R2-1710131	LCP restrictions and modelling	OPPO	discussion		
R2-1710299	Further consideration on the transmission profile parameters	15 NR_newRAT-Core	R2-1707916	CATT	discussion
				Rel-15	NR_newRAT-Core
R2-1710300	Minimum Size of MAC PDU including Data	CATT	discussion	Rel-15	NR_newRAT-Core
	R2-1707917				
R2-1710316	Consideration on the transmission profile	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710317	Consideration on the LCP restriction	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710369	Further consideration on parameters for LCP restriction	Rel-15	NR_newRAT-Core	Huawei, HiSilicon	discussion
R2-1710370	LCP with grant-free transmission	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710371	Detailed modelling on LCP in NR	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710372	LCP priority and procedure in NR	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
	R2-1708910				
R2-1710633	Minimum UL grant and segmentation skipping in NR	Rel-15	NR_newRAT-Core	Intel Corporation	discussion
R2-1710634	LCP restrictions and modelling	Intel Corporation	discussion	Rel-15	NR_newRAT-Core

R2-1710659	LCP for LCHs with Multiple RRC Configured Mappings	InterDigital	discussion	Rel-15
	NR_newRAT-Core R2-1708729			
R2-1710660	Logical Channel Selection in LCP	InterDigital	discussion	Rel-15 NR_newRAT-Core
R2-1710768	URLLC traffic considering multiple UL grants and LCP restriction parameters		III	
	discussion Rel-15			
R2-1710818	Further details on LCP	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT
R2-1710819	UL skipping with LCH restriction	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT
R2-1710854	URLLC traffic considering multiple UL grants and LCP restriction parameters		III	
	discussion Rel-15 R2-1710768			
R2-1711009	Modelling options for LCP	Samsung R&D Institute UK	discussion	
R2-1711012	LCP: handling multiple numerologies in NR using the 3-step procedure of LTE without modifications	Samsung R&D Institute UK	discussion	
R2-1711029	LCP procedure for NR	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711033	Mapping of MAC CE during LCP	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711170	Remaining issues on LCP	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711171	Avoiding unnecessary padding for small grants	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711305	NR LCP Modelling	MediaTek Inc.	discussion	
R2-1711423	LCP for grant-free transmissions	MediaTek Inc., Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core R2-1708101
R2-1711596	Discussion on How to Define "Time" for LCP	Samsung Electronics	discussion	
R2-1711597	Consideration of Grant-free Transmission from LCP perspective	Samsung Electronics	discussion	
R2-1711598	Discussion on Prioritization between MAC CE and LCH	Samsung Electronics	discussion	
R2-1711698	Additional parameters for LCP restriction	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
R2-1711709	Order of transport blocks	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core R2-1709124
R2-1711711	Dynamic priority for delay sensitive services	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core R2-1708721
R2-1711726	Step 1 in LCP	LG Electronics UK	discussion	NR_newRAT-Core R2-1709147
R2-1711790	Analysis of Skipping Segmentation	Samsung	discussion	Rel-15 NR_newRAT-Core R2-1709034

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.

R2-1710132	Support SPS on Scell	OPPO	discussion	R2-1707742
R2-1710134	SPS operations on BWP switching	OPPO	discussion	
R2-1710301	Grant-free transmission	CATT	discussion	Rel-15 NR_newRAT-Core R2-1707930
R2-1710302	Further consideration on multiple SPS	CATT	discussion	Rel-15 NR_newRAT-Core R2-1707931
R2-1710322	Consideration on SPS and grant-free	ZTE Corporation	discussion	Rel-15 NR_newRAT-Core

R2-1710335	Considerations of the number of SPS configurations per cell group and TP for TS 38.321v1.0.0	Samsung R&D Institute UK	discussion		
R2-1710662	SPS and Grant-free operation	InterDigital	discussion	Rel-15	NR_newRAT-Core
	R2-1708732				
R2-1710820	Unified Type 1 and Type 2 Grant-free operation	Nokia, Nokia Shanghai Bell	discussion		
	Rel-15	NR_newRAT			
R2-1710959	HARQ process and Timer for SPS vivo	discussion	R2-1708487		
R2-1710960	Collision between grant-based and grant-free resources on the same UL carrier	vivo			
	discussion	R2-1708488			
R2-1710975	Multiple SPS configurations on Scells	vivo	discussion		
R2-1711251	Modelling of SPS/Grant Free Scheme in NR	Ericsson	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711252	SPS for Scell	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711253	Remaining issues on SPS UL	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711263	DL SPS Operation in NR	Samsung R&D Institute India	discussion		
R2-1711264	Draft LS to RAN1 on DL SPS Operation	Samsung R&D Institute India	LS out		
R2-1711272	Supporting Framework for Grant-free Type-1 and Type-2	Samsung R&D Institute India	discussion		
R2-1711288	Draft LS to RAN1 on Supporting Framework for Grant-free Type-1 and Type-2	Samsung R&D Institute India	LS out		
R2-1711422	UL HARQ identification for SPS	MediaTek Inc.	discussion	Rel-15	NR_newRAT-Core
R2-1711429	Further discussion on the modelling of grant-free	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
	NR_newRAT-Core				
R2-1711430	Configuration on type 1 grant-free for active UE	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
	NR_newRAT-Core				
R2-1711431	HARQ and transmission for type 1 grant-free for active UE	Huawei, HiSilicon	discussion		
	Rel-15	NR_newRAT-Core			
R2-1711571	Using multiple SPS on SCells	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core
	Core				
R2-1711579	Consideration on Type 1 resource control for NR	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core
	NR_newRAT-Core	R2-1708856			
R2-1711699	On supporting SPS on SCells	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
	Core				
R2-1711710	On reliable transmission of URLLC data	Qualcomm Incorporated	discussion	Rel-15	
	NR_newRAT-Core	R2-1709125			

10.3.1.9 HARQ

R2-1711177	HARQ configurations in NR	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711432	Discussion on HARQ configuration in NR	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
	NR_newRAT-Core				

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

R2-1710206	HARQ RTT timer	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	R2-1707726
R2-1710207	Units of DRX timers	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710208	Impacts of BWP on DRX	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710209	Details in DRX operation	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core	
R2-1710303	Discussion on DRX Timers	CATT	discussion	Rel-15	NR_newRAT-Core	

R2-1710321	Consideration on DRX	ZTE Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710350	Discussion on HARQ RTT Timer	OPPO	discussion		
R2-1710607	C-DRX enhancement in NR	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710661	Remaining details on DRX	InterDigital	discussion	Rel-15	NR_newRAT-Core
R2-1710663	Timer-based Change to Default Bandwidth Part	InterDigital	discussion	Rel-15	NR_newRAT-Core
R2-1710755	Consideration on HARQ RTT Timer	LG Electronics Mobile Research	discussion		
R2-1710823	Discussion on DRX timers related issues in NR	Potevio	discussion		
R2-1710952	DRX timer for SPS	Samsung	discussion	Rel-15	NR_newRAT-Core
R2-1710972	Discussion on HARQ RTT Timer	vivo	discussion		
R2-1711083	HARQ RTT timer and DRX retransmission timer	ASUSTEK COMPUTER (SHANGHAI)	discussion	Rel-15	NR_newRAT-Core
R2-1711084	Numerology for PDCCH Monitoring during DRX Active Time	ASUSTEK COMPUTER (SHANGHAI)	discussion	Rel-15	NR_newRAT-Core
R2-1711167	C-DRX timers	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711172	HARQ RTT timers and other remaining issues in DRX	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711198	Power saving for wideband carrier in NR	Samsung	discussion	Rel-15	
R2-1711199	Timer-based BWP switching	Samsung	discussion	Rel-15	
R2-1711702	Wakeup signaling for C-DRX mode	Qualcomm Incorporated, Apple, OPPO	discussion	Rel-15	NR_newRAT-Core
R2-1711703	Wakeup signaling for multi-beam systems	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711704	UE power saving during active state	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711714	Beamformed NR C-DRX operation	Samsung Electronics	discussion		

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

R2-1710304	Duplication activation/deactivation MAC CE	CATT	discussion	Rel-15	NR_newRAT-Core
R2-1710756	Details of bitmap design	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710757	BSR procedure for data duplication	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710758	Cell deactivation impacts on PDCP duplication	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710759	PBR configuration for duplication DRB	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710958	Duplication deactivation due to SCell or BWP deactivation	vivo	discussion	R2-1708489	
R2-1710968	PDCP duplication impacts on LCP	vivo	discussion	R2-1708502	
R2-1711085	PDCP duplication and SCell (de-)activation	ASUSTEK COMPUTER (SHANGHAI)	discussion	Rel-15	NR_newRAT-Core
R2-1711248	PDCP duplication control related to SCell control	Ericsson	discussion	Rel-15	NR_newRAT-Core

R2-1711411	MAC impact of duplication discard	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core
	R2-1708100			
R2-1711424	MAC CE design for duplication	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core
	R2-1708102			
R2-1711705	Impact of PDCP duplication on BSR in the CA case	Qualcomm Incorporated	discussion	
	Rel-15 NR_newRAT-Core	R2-1709118		

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.

R2-1710318	Consideration on PHR in NR	ZTE Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710610	Impact of BWP on PHR	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710664	Power Headroom Reporting for NR	InterDigital	discussion	Rel-15 NR_newRAT-Core
	R2-1708733			
R2-1710767	Consideration on PHR in EN-DC	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	R2-1708957			
R2-1710953	PHR triggering events for NR	Samsung	discussion	Rel-15 NR_newRAT-Core
	R2-1704481			
R2-1710954	PHR format for NR	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1711032	PHR for NR CA	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711182	Power headroom reporting in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711183	PHR text proposal	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711433	PHR reporting in different TTI lengths	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1711434	Consideration on PHR with multi-beam operation	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core			
R2-1711435	Power management with multiple numerologies	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core			
R2-1711436	Consideration on PHR triggering and cancellation in NR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core			
R2-1711437	Content of the PHR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1711612	PHR for multi-beam operation	PHR for multi-beam operation	discussion	Rel-15 NR_newRAT-Core
R2-1711613	PHR for wider bandwidth operation	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core			
R2-1711667	PHR in PDCP duplication with CA ITL		discussion	Rel-15 NR_newRAT-Core
R2-1711700	PHR trigger by waveform change	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core			
R2-1711706	PHR for UL Split Bearer	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
	R2-1709119			
R2-1711798	Guaranteed power for Power Headroom in EN-DC	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core	R2-1709571		
R2-1711799	NR PHR for EN-DC	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core
	R2-1709572			
R2-1711800	PHR triggering event for beam change	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core	R2-1709573		
R2-1711801	Extended PHR considering beam and TRxP change	Samsung Electronics	discussion	Rel-15 NR_newRAT-Core
	Rel-15 NR_newRAT-Core	R2-1709574		
R2-1711821	PHR for NR	NTT DOCOMO INC.	discussion	Rel-15 NR_newRAT-Core

10.3.1.13 Other

Other aspects not included in the detailed agenda items.

R2-1710135	Activation and deactivation of Scells	OPPO	discussion	
R2-1710769	Scell activation and deactivation in EN-DC Huawei, HiSilicon NR_newRAT-Core	R2-1708965	discussion	Rel-15
R2-1710782	Considerations on TTI-bundling in EN-DC Huawei, HiSilicon NR_newRAT-Core		discussion	Rel-15
R2-1710955	Text proposal for a new clause for the handling of measurement gap discussion	Rel-15 NR_newRAT-Core	R2-1709018	Samsung
R2-1710956	UL Time Alignment for NRSamsung	discussion	Rel-15 NR_newRAT-Core	
R2-1711082	Discussion on Timing Advance in NR Rel-15 NR_newRAT-Core	R2-1709329	ASUSTEK COMPUTER (SHANGHAI)	discussion
R2-1711168	Timing advance in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711184	Power control aspects	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711194	Time unit for scheduling and HARQ in NR	Samsung	discussion	Rel-15
R2-1711196	Draft LS to RAN1 about RAN2 decisions on TTI	Samsung	LS out	Rel-15
R2-1711197	Time unit for some MAC operations - subframe and slot	Samsung	discussion	Rel-15
R2-1711254	Enhanced HARQ feedback mode in SPS Core	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711259	BSR for Multiple Numerology Operation	Samsung R&D Institute India	discussion	
R2-1711261	Determining Value of X for LCP	Samsung R&D Institute India	discussion	
R2-1711297	Retransmission Aspects for Uplink SPS	Samsung R&D Institute India	discussion	
R2-1711438	Maintenance of uplink time alignment in NR Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1711439	CA activation and deactivation in NR Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1711440	Draft LS on CA activation delay of Scell Core	Huawei, HiSilicon	LS out	Rel-15 NR_newRAT-Core
R2-1711441	MAC impact of bandwidth part activation/deactivation Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	
R2-1711569	SPS with implicit SCell deactivation Rel-15 NR_newRAT-Core	LG Electronics Inc.	discussion	Rel-15
R2-1711570	Restart condition of sCellDeactivationTimer with skipping operation Rel-15 NR_newRAT-Core	LG Electronics Inc.	discussion	
R2-1711604	Potential Issues for BSR Latency Reduction	Samsung Electronics	discussion	R2-1709607
R2-1711605	Potential Issues for UL Transmission with Shared UL Grant among Multiple Ues Rel-15 NR_newRAT-Core	Samsung Electronics	discussion	R2-1709608
R2-1711637	On the TTI and Subframe in NR	Samsung	discussion	NR_newRAT-Core
R2-1711639	[Draft] LS on the TTI definition	Samsung	LS out	NR_newRAT-Core
R2-1711643	Activation of SCell containing BWPs Rel-15 NR_newRAT-Core	Intel Corporation	discussion	Rel-15
R2-1711724	Reconsideration of sCellDeactivationTimer Rel-15 NR_newRAT-Core	LG Electronics UK	discussion	NR_newRAT-Core
R2-1711725	Error handling in MAC	LG Electronics UK	discussion	NR_newRAT-Core R2-1709146
R2-1711727	Initial state of SCell	LG Electronics UK	discussion	NR_newRAT-Core R2-1709152
R2-1711795	RAN2 consideration on user plane latency enhancement discussion	Samsung Electronics GmbH		R2-1709171

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.

R2-1710249	Consistence of RLC Tx behavior	SHARP Corporation	discussion	
R2-1710917	Text Proposal on NR RLC release procedure	Samsung R&D Institute India	discussion	
	Rel-15			
R2-1710976	Text Proposal on LTE RLC release procedure for EN-DC	Samsung R&D Institute India	discussion	
	Rel-15			

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)

R2-1710211	Issues on RLC status PDU construction	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1710697	Finalization of AMD PDU and STATUS PDU formats	MediaTek Inc.	discussion	Rel-15
	NR_newRAT-Core			
R2-1711268	Remaining details of RLC STATUS PDU format	Nokia, Nokia Shanghai Bell	discussion	
	Rel-15 NR_newRAT			
R2-1711619	RLC PDU accommodation in multi MAC PDUs	NTT DOCOMO INC., Ericsson	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711789	Presence of E1 in RLC Status Report	Samsung	discussion	Rel-15 NR_newRAT-Core

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

R2-1710212	Remaining issues for RLC UM procedure	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1711542	Report of email discussion [99#35][NR UP] Reassembly for RLC UM	Qualcomm		
	Incorporated discussion	Rel-15 NR_newRAT-Core		
R2-1711655	Transmitting UM RLC entity re-establishment	Sequans Communications	discussion	
	Rel-15 NR_newRAT-Core			

10.3.2.4 Impact of PDCP duplication to RLC

This AI will not be treated

R2-1710760	RLC optimization for packet duplication	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core R2-1709498			
R2-1710761	Further consideration on RLF indication	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1710762	RLC behaviours upon duplicate deactivation	Huawei, ASUSTek, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core R2-1707718			
R2-1711409	RLC impact of duplication discard	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core
	R2-1708099			
R2-1711786	Interaction between RLC Entities for PDCP Duplication	Samsung	discussion	Rel-15
	NR_newRAT-Core R2-1709027			

R2-1711788	RLC Max Retransmissions in CA Duplication NR_newRAT-Core	Samsung	discussion	Rel-15
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10.3.2.5 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

R2-1710213	Remaining issue for RLC AM operation NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710215	Remaining issues for polling in NR Core R2-1709661 Withdrawn	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-
R2-1710306	NR RLC AM operation and status reporting Core R2-1707935	CATT	discussion	Rel-15 NR_newRAT-
R2-1710323	Consideration on the T-reordering handling for AMD PDU segment discussion Rel-15 NR_newRAT-Core	ZTE Corporation		
R2-1710696	Text proposal for RLC AM polling mechanism NR_newRAT-Core R2-1708268	MediaTek Inc.	discussion	Rel-15
R2-1710777	Remaining issues for polling in NR and EN-DC 15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710821	Segmentation based gap detection for AM operation discussion Rel-15 NR_newRAT	Nokia, Nokia Shanghai Bell		
R2-1710902	RLC AM status reporting issue Core	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-
R2-1711250	RLC STATUS report format and polling Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1711269	Clarification to the ARQ procedures 15 NR_newRAT	Nokia, Nokia Shanghai Bell	discussion	Rel-
R2-1711541	Further details of RLC Polling Procedure NR_newRAT-Core R2-1708949	Qualcomm Incorporated	discussion	Rel-15
R2-1711567	Need of early RLC STATUS reporting NR_newRAT-Core	LG Electronics Inc.	discussion	Rel-15
R2-1711590	t-reordering in RLC AM 1709598	Samsung	discussion	Rel-15 NR_newRAT-Core R2-

10.3.2.6 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

R2-1710136	Pre-processing in RLC layer	OPPO	discussion	
R2-1710137	RLF on the SCell RLC	OPPO	discussion	R2-1707746
R2-1710210	Way forward for RLC Pre-processing NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710214	New values for RLC timers Core	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-
R2-1710307	RLC failure and RLF in CA 1707923	CATT	discussion	Rel-15 NR_newRAT-Core R2-
R2-1710359	RLC TP for BSR	Fujitsu	discussion	Rel-15 NR_newRAT-Core
R2-1710898	Consideration on the separate SN length configuration for UL and DL in RLC and PDCP Corporation discussion Rel-15 NR_newRAT-Core	ZTE		
R2-1711249	RLC PDU creation an SDU/PDU discard Core	Ericsson	discussion	Rel-15 NR_newRAT-

R2-1711568	Clarification on Re-establishment procedure in NR RLC	LG Electronics Inc.	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711574	RLC SDU discard procedure in NR	LG Electronics Inc.	discussion	Rel-15
	NR_newRAT-Core R2-1708850			
R2-1711594	RLC SDU discard procedure	Sequans Communications	discussion	Rel-15
	NR_newRAT-Core			
R2-1711746	RLC pre-processing	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT

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.

R2-1710903	NR PDCP COUNT length	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
R2-1710905	Text Proposal on PDCP Data Recovery procedure	Samsung R&D Institute India	discussion	
R2-1711575	PDCP specification updates	LG Electronics Inc. (PDCP rapporteur)	discussion	Rel-15 NR_newRAT-Core
R2-1711576	TP on PDCP data volume calculation	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core

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.

R2-1710967	RoHC support of EN-DC	vivo, CATR	discussion	
R2-1711008	Discussion to avoid duplicate reordering in EN-DC	Samsung R&D Institute India	discussion	Rel-15 R2-1709101
R2-1711470	Out-of-sequence delivery duplicate discard	Sequans Communications, Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT-Core
R2-1711577	Support for out-of-order delivery in PDCP	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core
R2-1711593	Outdated and duplicated PDU handling	Samsung	discussion	Rel-15 NR_newRAT-Core R2-1709599
R2-1711610	Decompression failure upon PDCP re-establishment	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1711673	Handling of COUNT wrap around	Sequans Communications	discussion	Rel-15 NR_newRAT-Core

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)

R2-1710143	Discussion on threshold for UL data split	OPPO	discussion	Rel-15 NR_newRAT-Core
R2-1710308	Limiting UE pre-processing for split bearer	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710360	Pre-processing restriction	Fujitsu	discussion	Rel-15 NR_newRAT-Core
R2-1710635	Restriction on UE pre-processing	Intel Corporation	discussion	Rel-15 NR_newRAT-Core

R2-1710698	Pre-processing and uplink data split 15 NR_newRAT-Core	MediaTek Inc., Qualcomm Inc.	discussion	Rel-
R2-1710778	Remaining issues of pre-processing for UL split bearer Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	
R2-1710780	Data volume reporting in NR PDCP NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1711037	Threshold for NR UL split bearer discussion Rel-15 NR_newRAT-Core	Lenovo, Motorola Mobility, Sequans Communications		
R2-1711039	Pre-processing for UL split bearer operation Rel-15 NR_newRAT-Core	Lenovo, Motorola Mobility	discussion	
R2-1711246	PDCP pre-processing and data delivery to lower layers 15 NR_newRAT-Core	Ericsson	discussion	Rel-
R2-1711270	Submission of PDCP PDUs to lower layers for UL split bearer discussion Rel-15 NR_newRAT	Nokia, Nokia Shanghai Bell		
R2-1711545	Supporting UL single path transmission in PDCP Broadcom discussion Rel-15 NR_newRAT-Core	Qualcomm Incorporated, MediaTek Inc.,		
R2-1711547	PDCP uplink path switching	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core
R2-1711578	Need for pre-processing limit Core	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-
R2-1711620	UE triggered PDCP UL path change in DCNTT DOCOMO INC., NEC, Fujitsu Rel-15 NR_newRAT-Core		discussion	
R2-1711654	Pre-processing limit for split bearers 15 NR_newRAT-Core	Sequans Communications	discussion	Rel-
R2-1711730	Threshold for UL split 1709656	LG Electronics UK	discussion	NR_newRAT-Core R2-
R2-1711787	NR UL Split Configuration Samsung	discussion	Rel-15 NR_newRAT-Core	

10.3.3.5 PDCP duplication

This AI will not be treated

R2-1710763	PDCP operation for packet duplication 15 NR_newRAT-Core R2-1707719	Huawei, ASUSTek, HiSilicon	discussion	Rel-
R2-1710764	PDCP data volume calculation for packet duplication Rel-15 NR_newRAT-Core R2-1707720	Huawei, HiSilicon	discussion	
R2-1710765	Clarification on bearer type for packet duplication 15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-
R2-1710766	Enhancements for DL Packet Duplication NR_newRAT-Core R2-1707715	Huawei, HiSilicon	discussion	Rel-15
R2-1710970	Layer-2 behaviors of PDCP duplication deactivation	vivo	discussion	R2-1708508
R2-1711041	PDCP Packet Duplication Lenovo, Motorola Mobility Core	discussion	Rel-15 NR_newRAT-	
R2-1711242	PDCP duplication and discard	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711245	PDCP duplication transmit operation Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1711247	PDCP data volume reporting in duplication Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1711407	Data duplication in NR 1708098	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core R2-
R2-1711421	On deactivation of duplication in carrier aggregation 15 NR_newRAT-Core	MediaTek Inc.	discussion	Rel-
R2-1711544	PDCP duplication Qualcomm Incorporated 1708951	discussion	Rel-15 NR_newRAT-Core	R2-
R2-1711669	Configuration of PDCP duplication on default DRB ITL	discussion	Rel-15	

R2-1711782	Activation and Deactivation of PDCP Duplication	Samsung	discussion	Rel-15
	NR_newRAT-Core			
R2-1711783	Discussion on CA Duplication	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1711785	Initial State of Uplink Packet Duplication	Samsung	discussion	Rel-15 NR_newRAT-Core

10.3.3.6 Support for RoHC

R2-1710142	Left issues on ROHC in PDCP operation	OPPO	discussion	Rel-15 NR_newRAT-Core
R2-1710636	Asymmetric ROHC in NR	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710779	Remaining issues for RoHC in NR PDCP	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1710966	Discussion on the PDCP data volume	vivo	discussion	R2-1708498
R2-1711554	Discussion on PDCP re-establishment	LG Electronics France	discussion	Rel-15
	NR_newRAT-Core			
R2-1711732	Header compression in reflective QoS	HTC Corporation	discussion	R2-1709375

10.3.3.7 Other

R2-1710144	Left issues on PDCP operation for LTE RLC	OPPO	discussion	Rel-15 NR_newRAT-Core
	Core			
R2-1710309	Dynamic leg switching for split bearer	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710310	Remaining issues for duplication/split bearer	CATT	discussion	Rel-15 NR_newRAT-Core
	Core			
R2-1710314	Consideration on UP integrity configuration	ZTE Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710781	Solutions for SN gap issue due to PDCP discard	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710906	SDAP header excluded from PDCP ciphering	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
R2-1711043	PDCP discard timer for NR	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711044	PDCP discard	Beijing Xiaomi Mobile Software	discussion	Rel-15 R2-1709177
R2-1711123	Discussion on PDCP data volume calculation	Samsung R&D Institute India	discussion	R2-1708444
R2-1711146	PDCP operations during PDCP version change in EN-DC	Samsung R&D Institute India	discussion	Rel-15
R2-1711241	PDCP SN reconfiguration at handover	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711243	UP timers in PDCP	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711271	PDCP trigger for uplink splitting	Nokia, Nokia Shanghai Bell	discussion	Rel-15 NR_newRAT
R2-1711539	Resolving the SN-gap issue due to PDCP discard	Qualcomm Incorporated, Fujitsu, Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core R2-1708947
R2-1711540	Further details on moving reordering window	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core R2-1708948
R2-1711557	Discussion on data recovery procedure for UM DRBs	LG Electronics France	discussion	Rel-15 NR_newRAT-Core
R2-1711653	PDCP retransmissions upon UL path change & re-establishment	Sequans Communications	discussion	Rel-15 NR_newRAT-Core
R2-1711735	Separate configurations for UL and DL PDCP SN lengths	HTC Corporation	discussion	R2-1709352

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.

R2-1710068	Text proposal for the SDAP entity establishment and release	Samsung	discussion	
	Rel-15 NR_newRAT			
R2-1710069	Text proposal on the number of SDAP entities for DC operation	Samsung	discussion	
	Rel-15			
R2-1710225	Number of SDAP Entities for NR DC	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1711552	TS 37.324 v101 Rapporteur (Huawei)	draft TS	Rel-15 37.324 1.0.1	NR_newRAT-Core
R2-1711728	LCP restriction	LG Electronics UK	discussion	NR_newRAT-Core

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.

R2-1710070	Further considerations on the QoS header format	Samsung	discussion	Rel-15
	NR_newRAT-Core			
R2-1710168	SDAP Header Format	TCL	discussion	Rel-15 NR_newRAT-Core
R2-1710226	Further Discussion on SDAP Header Format	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710351	Discussion on single bit RQI	OPPO	discussion	R2-1707780
R2-1710393	Shorter QFI in SDAP header	CMCC	discussion	Rel-15 NR_newRAT-Core
R2-1710394	Considerations on one bit RQI	CMCC, OPPO	discussion	Rel-15 NR_newRAT-Core
R2-1710439	Discussion on SDAP DATA PDU for reflective QoS	ZTE Corporation, Sane Chips		
	discussion	Rel-15		
R2-1710702	Separating AS and NAS RQI fields	MediaTek Inc.	discussion	Rel-15 NR_newRAT-Core
R2-1711077	Presence of UL SDAP header on default DRB	ASUSTeK	discussion	Rel-15
	NR_newRAT-Core R2-1709055			
R2-1711078	Discussion on changing presence of SDAP header	ASUSTeK	discussion	Rel-15
	NR_newRAT-Core			
R2-1711236	SDAP entity establishment	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711237	SDAP Header Format	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711546	Reflective QoS	Qualcomm Incorporated	discussion	Rel-15 NR_newRAT-Core
R2-1711556	Location of QoS Flow ID in UL and DL packet	LG Electronics France	discussion	Rel-15 NR_newRAT-Core
	NR_newRAT-Core R2-1703023			
R2-1711755	SDAP header format	LG Electronics	discussion	NR_newRAT-Core

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

R2-1710166	Issues with RQI setting	TCL	discussion	NR_newRAT-Core
R2-1710167	QFI Presence for AS Level Reflective QoS	TCL	discussion	NR_newRAT-Core
R2-1710227	SDAP (re)configuration	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710228	QoS Flow to DRB Re-Mapping	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	Core			

R2-1710229	Lossless Handover of QoS Flow Core	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-
R2-1710230	QoS Flow Level Offloading in NR-DC NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15	
R2-1710257	New QoS flow on the Default Bearer 15 NR_newRAT	Nokia, Nokia Shanghai Bell	discussion	Rel-15	
R2-1710258	Reflective QoS Control	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT
R2-1710259	QoS Flow Remapping	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT
R2-1710260	Default QoS Profile	Nokia, Nokia Shanghai Bell	discussion	Rel-15	NR_newRAT
R2-1710311	How to update the mapping rule of reflective QoS Core	CATT	discussion	Rel-15	NR_newRAT-
R2-1710312	QoS re-mapping of QoS flow and DRB R2-1707939	CATT	discussion	Rel-15	NR_newRAT-Core
R2-1710353	QoS flow remapping	OPPO	discussion		
R2-1710438	Discussion on QoS flow-DRB remapping 15	ZTE Corporation, Sane Chips	discussion	Rel-15	
R2-1710699	In-order delivery during QoS flow relocation NR_newRAT-Core R2-1708260	MediaTek Inc.	discussion	Rel-15	
R2-1710969	Consideration on BSR for SDAP	vivo,Xiaomi,CATR	discussion		
R2-1711067	QoS Flow Remapping	Beijing Xiaomi Mobile Software	discussion	Rel-15	R2-1709179
R2-1711068	QoS Flow Remapping	Beijing Xiaomi Mobile Software	discussion	Rel-15	R2-1709179
R2-1711342	SDAP configuration aspects	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711543	SDAP remaining issues	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711558	QoS flow to DRB remapping Core R2-1703086	LG Electronics France	discussion	Rel-15	NR_newRAT-
R2-1711668	Reflective QoS acknowledgement ITL		discussion	Rel-15	
R2-1711741	Configurability for the presence of SDAP header Core R2-1709068	LG Electronics	discussion		NR_newRAT-
R2-1711742	Configuration scenarios on whether or not a SDAP header is present discussion NR_newRAT-Core R2-1709071			LG Electronics	
R2-1711748	Considerations on release of a mapping of QoS flow to DRB NR_newRAT-Core			LG Electronics	discussion
R2-1711750	Discussion on default DRB establishment in DC Core R2-1709074	LG Electronics	discussion		NR_newRAT-
R2-1711811	SDAP configuration	LG Electronics	discussion	NR_newRAT-Core	R2-1709089
R2-1711817	Reflective QoS operation	SHARP Corporation	discussion	Rel-15	NR_newRAT-Core

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.

R2-1710557	TS 38.331 R2-1708468	Ericsson	draft TR	Rel-15	38.331 0.1.0	NR_newRAT-Core
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10.4.1.2 Specification methodology

This agenda item is relevant to EN-DC completion.

R2-1710117	Remaining issues on NR RRC methodology 15 NR_newRAT-Core	NTT DOCOMO, INC.	discussion	Rel-
R2-1710118	Necessity of error handling on inter-node RRC message Rel-15 NR_newRAT-Core	NTT DOCOMO, INC.	discussion	
R2-1710539	Definitions and logic for need codes in NR ASN.1 15	Huawei, HiSilicon	discussion	Rel-
R2-1711507	Specification improvements for NR RRC 15	Samsung Telecommunications	discussion	Rel-

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.

R2-1710509	Signalling of security parameters	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710510	Cell specific parameter handling in EN-DC	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710616	RRC signalling for SN release	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710617	UE handling of combined configuration messages	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1711137	Preserving NR PDCP version	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711532	Summary of email discussion #30 for RRCConnectionReconfiguration	Ericsson			
	discussion	Rel-15			
R2-1711533	LTE and NR text proposal for RRCConnectionReconfiguration	Ericsson	discussion		
	Rel-15				
R2-1711820	Explicit indicator to handle the LTE RLC entity in EN-DC	Samsung R&D Institute India			
	discussion	Rel-15			

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.

R2-1710587	L2 parameter content of RRCConnectionReconfiguration message	Huawei (Rapporteur)			
	discussion	Rel-15	NR_newRAT-Core		
R2-1710615	SDAP configuration in RRC message	Intel Corporation	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710933	Discussion on the configuration of SDAP	vivo	discussion	Rel-15	NR_newRAT-Core
	R2-1708500				
R2-1711809	Considerations on support of supplementary uplink frequency	CMCC	discussion	Rel-	
	15 NR_newRAT-Core				

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.

R2-1711060	Multiband and variable RX/TX support and NS signaling in NR	Nokia	discussion	Rel-	
	15 NR_newRAT-Core				

R2-1711524	[RAN2-99#22] TP on L1 parameters for 38.331 NR_newRAT-Core	Ericsson	discussion	Rel-15
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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.

R2-1710278	Specified and default configurations for SRB3 and SRB1S NR_newRAT-Core	CATT	discussion	Rel-15
R2-1710349	Single UL transmission in NSA and SA NR Huawei, HiSilicon NR_newRAT-Core		discussion	Rel-15
R2-1710511	PDCCP version for SRB1&2 Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710618	Possible reconfiguration over SCG SRB or SBR3 NR_newRAT-Core	Intel Corporation	discussion	Rel-15
R2-1710622	Further details on SRB3 handling Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710623	TP for introduction of SRB3 in 38.331 NR_newRAT-Core	Intel Corporation	discussion	Rel-15
R2-1710624	TPs for 38.331 and 36.331 for SCG failure in EN-DC Rel-15 NR_newRAT-Core	Intel Corporation	discussion	
R2-1710862	RRC Reconfiguration Message on SRB3 MediaTek Inc.	discussion		
R2-1711053	SIB acquisition in connected mode and handover with BWP NR_newRAT-Core	Nokia	discussion	Rel-15
R2-1711098	Default configuration of SRB1S and SRB2S in NR side for EN-DC discussion Rel-15 NR_newRAT-Core	Huawei, HiSilicon		
R2-1711139	SCG reconfiguration failure handling in EN-DC NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711530	RRC processing delays in NR and EN-DC Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711773	PDCCP version for SRB1 and SRB2 Samsung Electronics GmbH	discussion		
R2-1711774	Control of UL Split or Duplicate MCG SRB Samsung Electronics GmbH	discussion		R2-1709163

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

R2-1710093	Further discussion on merging NR RRC messages NR_newRAT-Core	Samsung	discussion	Rel-15
R2-1710279	RRC connection re-establishment and resume procedures in NR NR_newRAT-Core R2-1707896	CATT	discussion	Rel-15
R2-1710593	NR common RRC procedures Intel Corporation R2-1708800	discussion	Rel-15	NR_newRAT-Core
R2-1710670	Harmonization of Connection Control Procedures and Messages Rel-15 NR_newRAT-Core	InterDigital	discussion	
R2-1710822	Open issues for connection control Qualcomm Incorporated	discussion		R2-1709636
R2-1710826	Harmonizing RRC Connection control messages and procedures Rel-15 NR_newRAT-Core	Ericsson	discussion	
R2-1711071	Harmonization of RRC Connection Control management procedures discussion Rel-15 NR_newRAT-Core	Huawei, HiSilicon		

R2-1711150 Simplification of RRC messages for NR LG Electronics France discussion Rel-15
NR_newRAT-Core R2-1709113

R2-1711480 Discussion on additional enhancement for INACTIVE to IDLE state transition procedure
OPPO discussion R2-1707084

R2-1711482 Beam selection for RACH procedure during HO OPPO discussion

R2-1711486 Harmonization of the RRC procedures Nokia, Nokia Shanghai Bell discussion Rel-15
NR_newRAT-Core R2-1709220

R2-1711747 Harmonization of the RRC connection management procedures NTT DOCOMO INC.
discussion Rel-15

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

R2-1710240 Discussion on Left Issues for RRC State Transitions OPPO discussion

R2-1710280 Open Issues on Connection Control Procedure CATT discussion Rel-15 NR_newRAT-Core

R2-1710594 Email discussion report on [99#29][NR] Connection Control Intel Corporation
discussion Rel-15 NR_newRAT-Core

R2-1710638 [DRAFT] LS on security handling of MSG4 during INACTIVE to CONNECTED transition Intel
Corporation discussion Rel-15 NR_newRAT-Core

R2-1710680 Open Issues on Email Discussion and Draft LS to SA3 InterDigital discussion Rel-15
NR_newRAT-Core

R2-1710681 Draft LS to SA3 on Connection Control InterDigital discussion Rel-15 NR_newRAT-Core
Withdrawn

R2-1710934 Remaining FFS Issues on RRC Connection Control vivo discussion Rel-15
NR_newRAT-Core

R2-1711484 RRC Reject on SRB0 Nokia, Nokia Shanghai Bell discussion Rel-15 NR_newRAT-Core

R2-1711664 Remaining issues of RRC connection control from INACTIVE Samsung Electronics
discussion Rel-15

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.

R2-1710199 Size of MSG3 in NR Ericsson discussion Rel-15 NR_newRAT-Core

R2-1710200 Draft LS on MSG3 size Ericsson LS out Rel-15 NR_newRAT-Core

R2-1710235 Discussion on Batch Release of INACTIVE UEs OPPO discussion

R2-1710313 Consideration on the relation between access categories and establishment causes CATT
discussion Rel-15 NR_newRAT-Core

R2-1710569 Remaining issues on State transition between RRC CONNECTED and INACTIVE Huawei,
HiSilicon discussion Rel-15 NR_newRAT-Core

R2-1710570 Timer based state transmission from CONNECTED to inactive Huawei, HiSilicon
discussion Rel-15 NR_newRAT-Core

R2-1710666 Open Issues on Connection Control Procedures InterDigital discussion Rel-15
NR_newRAT-Core

R2-1710667 Security Aspects of Connection Control InterDigital discussion Rel-15 NR_newRAT-Core

R2-1710671 Timer-based Inactivation for NR InterDigital discussion Rel-15 NR_newRAT-Core
R2-1708740

R2-1710832	TP to 38.331 on RRC states	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710833	Text proposal to RRC connection control	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711019	UE capability in NR RRC connection request Core R2-1709507 Withdrawn	Sony	discussion	Rel-15	NR_newRAT-Core
R2-1711023	RAN sharing and user plane integrity check	Sony	discussion	Rel-15	NR_newRAT-Core
R2-1711035	Consideration on the triggers of transitioning UE from INACTIVE to IDLE Software discussion	Rel-15 R2-1709169			Beijing Xiaomi Mobile
R2-1711072	UE behaviour upon leaving RRC_CONNECTED state	Huawei, HiSilicon	discussion		Rel-15 NR_newRAT-Core
R2-1711076	State transition from RRC_CONNECTED to RRC_INACTIVE	ASUSTeK	discussion		Rel-15 NR_newRAT-Core R2-1709058
R2-1711101	Consideration on RRC connection establishment procedure	Huawei, HiSilicon			Rel-15 NR_newRAT-Core discussion
R2-1711102	Draft LS to RAN1 on MSG3 size	Huawei, HiSilicon	LS out	Rel-15	NR_newRAT-Core
R2-1711103	RRC Establishment Cause	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core R2-1708406
R2-1711104	RRC Support of Multiple Numerologies	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1711200	RAN2 impact of non-contiguous CA	Samsung	discussion	Rel-15	
R2-1711201	Draft reply LS to RAN1 on non-contiguous CA	Samsung	LS out	Rel-15	
R2-1711384	Configurable cause for NR	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core R2-1708457
R2-1711410	SN continuation on MN failure in EN-DC operation	Samsung R&D Institute UK	discussion		
R2-1711458	NR RRC connection request	Sony	discussion	Rel-15	NR_newRAT-Core
R2-1711483	RRC connection release and inactivation procedures	Nokia, Nokia Shanghai Bell			Rel-15 NR_newRAT-Core discussion
R2-1711506	Capturing SA related agreements in 38.331	Samsung Telecommunications	discussion		Rel-15
R2-1711513	Enhance RRC configuration procedure in NR	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711515	Open issues on security aspects for NR RRC connection control	Qualcomm Incorporated			Rel-15 NR_newRAT-Core discussion
R2-1711623	Considerations on Establishment cause for NR	KDDI Corporation	discussion	Rel-15	R2-1709655
R2-1711797	Information to include within RRC Activation and Inactivation	Samsung Electronics			Rel-15 NR_newRAT-Core R2-1709570 discussion

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

R2-1710839	Summary of email discussion [99#32][NR] TP on RRM	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710840	Initial ASN.1 TP on RRM	Ericsson	discussion	Rel-15	NR_newRAT-Core

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*

R2-1710281 Considerations on measurement reporting related to serving cells CATT discussion Rel-15 NR_newRAT-Core R2-1707901

R2-1710433 Remaining issues on measurement report content ZTE Corporation, Sane Chips discussion Rel-15

R2-1710514 Reporting both NR-SS and CSI-RS in the measurement report PANASONIC R&D Center Germany discussion Rel-15

R2-1710571 Remaining issues on Measurement reporting Huawei, HiSilicon discussion Rel-15 NR_newRAT-Core

R2-1710845 Open issues related to the contents of measurement report Ericsson discussion Rel-15 NR_newRAT-Core

R2-1711062 How to report beams, neighbour and serving cells Nokia discussion Rel-15 NR_newRAT-Core

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*

R2-1710239 Discussion on NR S-Measure Configuration OPPO discussion

R2-1710431 Discussion on the configuration of the measurement object ZTE Corporation, Sane Chips discussion Rel-15

R2-1710544 Measurement configuration and procedures for CSI-RS Huawei, HiSilicon discussion Rel-15 R2-1708214 Withdrawn

R2-1710935 Measurement configuration for measurement object vivo discussion Rel-15 NR_newRAT-Core

R2-1711021 S-measure for Connected Mode Measurements Sony discussion Rel-15 NR_newRAT-Core R2-1709510

R2-1711063 Measurement Configuration in NR with BWP, RRM and beams Nokia discussion Rel-15 NR_newRAT-Core

R2-1711336 Email discussion #31: Additional information for SSB and CSI-RS config Ericsson discussion Rel-15 NR_newRAT-Core

R2-1711338 Remaining details for MO Ericsson discussion Rel-15 NR_newRAT-Core

R2-1711551 Remaining issues of measurement object configuration for single BWP Qualcomm Incorporated discussion Rel-15 NR_newRAT-Core Withdrawn

R2-1711674 Details of SS Block and CSI-RS Measurement Configurations AT&T discussion

R2-1711717 CSI-RS configuration details for NR RRM measurement Samsung Electronics discussion

R2-1711815 Measurement configuration and procedures for CSI-RS Huawei, HiSilicon discussion Rel-15

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*

R2-1710282 Further considerations on events C1 and C2 CATT, OPPO, vivo, MediaTek discussion Rel-15 NR_newRAT-Core R2-1707900

R2-1710432 Discussion on the introduction of SS-block specific events ZTE Corporation, Sane Chips discussion Rel-15

R2-1710672	Measurement Configuration with Ax and Cx Events 15 NR_newRAT-Core R2-1708748	InterDigital	discussion	Rel-
R2-1710846	Triggering condition for A1-A6 events in NR NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1710847	Impact of cell quality scaling in NREricsson	discussion	Rel-15	NR_newRAT-Core
R2-1710936	Remaining measurement event for EN-DC vivo R2-1708408	discussion	Rel-15	NR_newRAT-Core
R2-1711064	Events in NR for any reference symbol Nokia	discussion	Rel-15	NR_newRAT-Core
R2-1711339	Measurement events Cx in NR Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711347	Discussion on C1/C2 events NR_newRAT-Core	Qualcomm Incorporated	discussion	Rel-15
R2-1711452	C1/C2 events support in NR Nokia, Nokia Shanghai Bell NR_newRAT-Core R2-1708679		discussion	Rel-15
R2-1711509	Reconfiguration beam management CSI RS config upon intra-cell mobility Samsung Telecommunications	discussion	Rel-15	

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

R2-1710373	Considerations for measurement gap for NR in EN DC discussion Rel-15	Spreadtrum Communications		
R2-1710375	Sliding measurement gap Spreadtrum Communications	discussion	Rel-15	R2-1707974
R2-1710573	Remaining issue on Events and measurements for handover from NR to E-UTRA Huawei, HiSilicon discussion Rel-15 NR_newRAT-Core			
R2-1710574	Measurement gap configuration in NR Huawei, HiSilicon	discussion	Rel-15	
R2-1710591	Measurement gap in NR Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710937	Consideration on measurement gap in NR vivo	discussion	Rel-15	NR_newRAT-Core
R2-1711340	Configuration of measurement gap in NR Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711564	Measurement capability and measurement gap handling in EN-DC Qualcomm Incorporated discussion Rel-15 NR_newRAT			
R2-1711683	Measurement gap considering beam LG Electronics Inc. NR_newRAT-Core R2-1709131	discussion	Rel-15	
R2-1711751	Measurement Gap Configuration signalling design for MR-DC discussion Rel-15 NR_newRAT-Core	NTT DOCOMO INC.		

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

R2-1710378	Measurement requirement issue due to different DRX configurations Communications discussion Rel-15	Spreadtrum		
R2-1710575	Definition of GAP assisted measurement in NR Huawei, HiSilicon	discussion	Rel-	
R2-1710576	Measurement trigger type in NR Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710577	S-measure in NR Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710580	Speed dependent scaling of measurement parameters in EN-DC Huawei, HiSilicon discussion Rel-15 NR_newRAT-Core Withdrawn			

R2-1710797	Miscellaneous Issues in TP on NR RRM	MediaTek Inc.	discussion	
R2-1710801	Measurement Quantities and Cell Quality Derivation in NR	MediaTek Inc.	discussion	
R2-1710842	ANR framework in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710843	TP on inter-RAT ANR to 36.300 for EN-DC	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710844	Further details related beam level L3 filtering	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710861	RLC failure in CA duplication	MediaTek Inc.	discussion	NR_newRAT-Core
R2-1710882	RRM Measurement Considering Bandwidth Part Operation	MediaTek Inc.	discussion	
R2-1710883	RRM Measurement Considering Bandwidth Part Operation	MediaTek Inc.	discussion	Withdrawn
R2-1711054	Intra and Inter-frequency definitions and Measurement gaps in NR	Nokia	discussion	Rel-15 NR_newRAT-Core Withdrawn
R2-1711130	Inclusion of NR SN serving cell measurements in LTE measurement reports	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711136	Race conditions in case of SgNB release procedures	Ericsson	discussion	Rel-15 NR_newRAT-Core R2-1708022
R2-1711138	Measurement configurations and signaling for fast setup	Ericsson	discussion	Rel-15 NR_newRAT-Core R2-1708026
R2-1711202	RRM considerations for adaptive bandwidth in NR	Samsung	discussion	Rel-15
R2-1711203	Reference and virtual SS block in NR	Samsung	discussion	Rel-15
R2-1711468	L3 filtering configuration	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711479	Measurement configuration enhancement to enable faster SN addition for EN-DC	OPPO	discussion	R2-1707083
R2-1711508	Measurement configuration and reporting, avoiding LTE deficiencies	Samsung Telecommunications	discussion	Rel-15

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.

R2-1710437	Inter-RAT measurements for NR handover to EUTRAN	ZTE Corporation, Sane Chips	discussion	Rel-15
R2-1710572	On the need for Cx events	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core

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.

R2-1710377	ANR for NR Cell	Spreadtrum Communications	discussion	Rel-15
R2-1710579	Speed dependent mobility in connected state	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710841	Mobility states and speed based parameter scaling in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711204	RRM measurement for multiple numerologies in NR	Samsung	discussion	Rel-15
R2-1711601	Discussion on s-Measure Considering NR-SS and CSI-RS	Samsung Electronics	discussion	R2-1709605
R2-1711603	Discussion on Adaptation of Measurement Related Parameters for Different Mobility Scenarios	Samsung Electronics	discussion	R2-1709601
R2-1711606	The Impact of Beam Sweeping on RRM Measurement	Samsung Electronics	discussion	R2-1709606

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

R2-1710082	Beam Selection for HO Access	Samsung R&D Institute India	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710263	Beam selection during handover	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-
	Core				
R2-1710442	RACH beam selection for handover access	ZTE Corporation, Sane Chips	discussion		
	Rel-15				
R2-1710675	Beam Selection for Handover in NR	InterDigital	discussion	Rel-15	NR_newRAT-
	Core				
R2-1710852	On beam selection during hand-over, SCG addition and SCG change			Ericsson	
	discussion				
	Rel-15 NR_newRAT-Core				
R2-1710938	Clarification on the PRACH resource selection of multiple beams	vivo	discussion		Rel-
	15 NR_newRAT-Core				
R2-1711365	Remaining issues of beam selection for handover access	Qualcomm Incorporated	discussion		
	Rel-15 NR_newRAT-Core				
R2-1711371	Beam selection in NR handover	Lenovo, Motorola Mobility	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711461	Beam selection during NR HO	Nokia, Nokia Shanghai Bell	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711766	Discussion on how the dedicated RACH resources should be prioritized	ITRI	discussion		
	NR_newRAT-Core				

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.

R2-1710848	Further details of handover execution/SCG change in NR	Ericsson	discussion	Rel-	
	15 NR_newRAT-Core				

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.

R2-1710283	open issues for SCG failure	CATT	discussion	Rel-15	NR_newRAT-Core
R2-1710331	Handling on SN measurement results upon SCG failure	ZTE Corporation	discussion		
	Rel-15 NR_newRAT-Core				
R2-1710859	Considerations for the format of NR cell measurements for SCGFailureIndication	Nokia, Nokia			
	Shanghai Bell	discussion		Rel-15	NR_newRAT
R2-1710885	TP on Radio Link Monitor related actions in 38.331	MediaTek Inc.	discussion		NR_newRAT-
	Core				
R2-1710886	TP to support SCG Failure in EN-DC	MediaTek Inc.	discussion		NR_newRAT-Core
R2-1711099	NR failure handling for both SA and NSA	Huawei, HiSilicon	discussion	Rel-15	
	NR_newRAT-Core				
R2-1711131	Remaining issues regarding SCG Failure	Ericsson	discussion	Rel-15	NR_newRAT-
	Core				
R2-1711132	TP for TS 36.331 - SCG Failure	Ericsson	discussion	Rel-15	NR_newRAT-Core

R2-1711133	TP for TS 38.331 - SCG Failure	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711134	Further consideration on SCell RLF for CA	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711256	On measurement results in SCGFailureInformation		CMCC discussion	Rel-15	
	NR_newRAT-Core				
R2-1711301	Remaining Issues for UE Procedures on SCG Failure		Samsung R&D Institute India		
	discussion				

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

R2-1710284	MIB contents for EN-DC	CATT	discussion	Rel-15	NR_newRAT-Core
R2-1710382	Open issues on MIB contents	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710392	Transmission time interval for NR-MIB and NR-SIB1	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710416	Multi-PLMN aspects of NSA bit in MIB	ZTE Corporation, Sane Chips	discussion	Rel-15	
R2-1710454	Discussion on barring indication in NR-MIB	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710455	Discussion on maximum idle mode DRX value in NR	Huawei, HiSilicon	discussion		
	Rel-15 NR_newRAT-Core	R2-1708066			
R2-1710456	[DRAFT] Reply LS on maximum idle mode DRX value	Huawei, HiSilicon	LS out	Rel-15	NR_newRAT-Core
	Rel-15 NR_newRAT-Core	R2-1708067			
R2-1711022	Cell Barring timer	Sony	discussion	Rel-15	NR_newRAT-Core
R2-1711057	RAN based notification area	Nokia	discussion	Rel-15	NR_newRAT-Core
				R2-1708474	
R2-1711518	Open issues on PBCH contents for NR	Qualcomm Incorporated, NTT DoCoMo, Samsung, KT, vivo, Panasonic, LG Electronics Inc., KDDI	discussion	Rel-15	NR_newRAT-Core
R2-1711616	Cell barred indication in NR MIB	NEC	discussion	Rel-15	NR_newRAT-Core
R2-1711743	Remaining aspects of PBCH and Some SIB1 contents		Samsung R&D Institute India		
	discussion				

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 .

R2-1710180	Initial considerations on Content of Other SI for NR		OPPO	discussion	
R2-1710383	System Information Structure and Content	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710389	SIBs needed for stand-alone NR deployments	Ericsson	discussion	Rel-15	
	NR_newRAT-Core	R2-1708163			
R2-1710391	System information content at network sharing	Ericsson	discussion	Rel-15	
	NR_newRAT-Core				
R2-1710417	Consideration on the Content of NR-RMSI(Revision)		ZTE Corporation, Sane Chips		
	discussion	Rel-15			
R2-1710458	Detailed design on of the contents of System Information		Huawei, HiSilicon	discussion	
	Rel-15 NR_newRAT-Core				

R2-1710459	SIBs needed for NSA R2-1709620	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1711372	Quasi-co-location information in SIB1 and RRC Reconfiguration Rel-15 NR_newRAT-Core	Ericsson LM	discussion	
R2-1711514	Organization of NR System Information NR_newRAT-Core	Qualcomm Incorporated	discussion	Rel-15
R2-1711587	Structure and Content of Remaining Minimum SI Rel-15 NR_newRAT-Core R2-1709561	Nokia, Nokia Shanghai Bell	discussion	
R2-1711740	Endorsed TP to 38.331 on System Information	Samsung R&D Institute India	other	

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

R2-1710139	Area ID and details on value tag message structure for NR Gemalto N.V.		discussion	
R2-1710285	Indexed SI in NR CATT	discussion	Rel-15 NR_newRAT-Core	R2-1707906
R2-1710361	The index of stored system information	Fujitsu	discussion	Rel-15 NR_newRAT-Core
R2-1710384	SS Block index dependent system information NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1710385	Stored System Information	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710418	Consideration on the Stored other SI(Resubmit) Rel-15	ZTE Corporation, Sane Chips	discussion	
R2-1710460	Area ID and value tag for SIBs Core R2-1708069	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-
R2-1710673	Details of Stored System Information for NR NR_newRAT-Core	InterDigital	discussion	Rel-15
R2-1710814	SI valid area configuration LG Electronics Inc. R2-1708908		discussion	Rel-15 NR_newRAT-Core
R2-1710939	Stored SI for NR vivo	discussion	Rel-15 NR_newRAT-Core	R2-1708423
R2-1711308	On structure of SI index	MediaTek Inc.	discussion	R2-1708042
R2-1711589	Signalling of System Information Area 15 NR_newRAT-Core R2-1709562	Nokia, Nokia Shanghai Bell	discussion	Rel-
R2-1711670	Necessity of Area ID for on-demand SI discussion Rel-15 NR_newRAT-Core R2-1707776	NTT DOCOMO, INC., Qualcomm Incorporated		
R2-1711752	Index based approach and Stored SI 1709497	SAMSUNG Electronics Co., Ltd.	discussion	R2-

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

R2-1710094	System Information Update in NR Samsung R&D Institute India NR_newRAT-Core R2-1707676		discussion	Rel-15
R2-1710181	Discussion on NR SI Modification	OPPO	discussion	R2-1707766
R2-1710286	SI Modification	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710386	Change of System information in NR Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1710461	SI Update procedure R2-1708070	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710674	SI Modification Procedure in NR	InterDigital	discussion	Rel-15 NR_newRAT-Core
R2-1710940	SI Change Notification	vivo	discussion	Rel-15 NR_newRAT-Core R2-1708424

R2-1711307	NR SI Update	MediaTek Inc.	discussion	R2-1708051	
R2-1711390	System information modification Core R2-1708465	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-
R2-1711566	SI modification for Stored SI	ITL	discussion	Rel-15	
R2-1711592	System Information Modification in NR NR_newRAT-Core R2-1709564	Nokia, Nokia Shanghai Bell	discussion	Rel-15	
R2-1711767	Discussion on the granularity of SI change notification Core R2-1709080	ITRI	discussion	NR_newRAT-	

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*

R2-1710095	SI Message TX/RX in NR Core R2-1707677	Samsung R&D Institute India	discussion	Rel-15	NR_newRAT-
R2-1710179	Consideration on NR SI Scheduling	OPPO	discussion	R2-1707767	
R2-1710387	System Information Scheduling R2-1708167	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710462	Considerations on System Information scheduling NR_newRAT-Core R2-1708071	Huawei, HiSilicon Withdrawn	discussion	Rel-15	
R2-1710488	Considerations on System Information scheduling NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15	
R2-1710941	Scheduling of Other SI	vivo	discussion	Rel-15	NR_newRAT-Core R2-1708425
R2-1711055	Consistent support of RRC_INACTIVE R2-1708472	Nokia	discussion	Rel-15	NR_newRAT-Core
R2-1711056	Security in inactive state	Nokia	discussion	Rel-15	NR_newRAT-Core R2-1708473
R2-1711089	Details of Other SI scheduling information R2-1707943	ETRI	discussion	Rel-15	NR_newRAT-Core
R2-1711391	System information scheduling Core R2-1708466	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-

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.*

R2-1710096	On Demand SI: Remaining Issues NR_newRAT-Core R2-1707678	Samsung R&D Institute India	discussion	Rel-15	
R2-1710161	Resolving remaining FFSs NR_newRAT-Core R2-1708063	Lenovo, Motorola Mobility	discussion	Rel-15	
R2-1710178	Discussion on Remaining Issues of On-Demand SI	OPPO	discussion	R2-1707765	
R2-1710250	Discussion on Multiple On-demand System Information Acquisition	SHARP Corporation	discussion		
R2-1710388	Remaining issues on On-demand SI Core R2-1708168	Ericsson	discussion	Rel-15	NR_newRAT-
R2-1710419	On-demand SI- further consideration on the Msg3 Content	ZTE Corporation, Sane Chips	discussion	Rel-15	
R2-1710463	On demand SI acquisition and failure handling NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15	
R2-1710676	On Demand SI Request Procedure Core	InterDigital	discussion	Rel-15	NR_newRAT-
R2-1710812	Other-SI request and acquisition in CONNECTED LTE_euCA-Core R2-1708901	LG Electronics Inc.	discussion	Rel-15	
R2-1710942	Remaining issues of on demand SI	vivo	discussion	Rel-15	NR_newRAT-Core

R2-1711030	Remain issues of on-demand SI	Beijing Xiaomi Mobile Software	discussion	Rel-15	R2-1709164
R2-1711309	Indicator for Other SI Transmission	MediaTek Inc.	discussion		R2-1708041
R2-1711389	Remaining issues on on-demand SI request procedure	LG Electronics Inc.	discussion		Rel-15 NR_newRAT-Core R2-1708461
R2-1711516	Open issues on NR on-demand SI	Qualcomm Incorporated	discussion	Rel-15	NR_newRAT-Core
R2-1711768	Discussion on the additional indication for on-demand SI	ITRI	discussion		NR_newRAT-Core R2-1709079
R2-1711827	UE Requirements for SI on demand	Vodafone Group Plc	discussion		

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

R2-1710390	Dedicated System Information	Ericsson	discussion	Rel-15	NR_newRAT-Core R2-1708170
R2-1710464	Assisted Delivery of "Minimum SI"	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core R2-1708073
R2-1710465	Public Warning system for NR	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core R2-1708074
R2-1710943	Discussion on other SI request	vivo	discussion	Rel-15	NR_newRAT-Core R2-1708428
R2-1711392	UE dedicated on-demand SI delivery in NR	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core R2-1708467
R2-1711510	Dedicated signalling of SI upon UE mobility	Samsung Telecommunications	discussion		Rel-15
R2-1711630	On supporting multiple modification periods in NR	Samsung	discussion		NR_newRAT-Core
R2-1711757	List of FFS for SI handling	Samsung R&D Institute India	other		
R2-1711807	Initial access for supplementary uplink frequency	Samsung Electronics	discussion	Rel-15	NR_newRAT-Core

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

R2-1710120	RAN paging area for NR	Samsung	discussion	Rel-15	NR_newRAT-Core
R2-1710233	Discussion on Assistance Information for RAN-Based Notification Area Decision		discussion		OPPO
R2-1710287	RAN-based notification area configuration (related to RAN3 LS R3-173427)	CATT	discussion		Rel-15 NR_newRAT-Core
R2-1710428	Consideration on RAN area configuration	ZTE Corporation, Sane Chips	discussion	Rel-15	
R2-1710581	RAN notification area configuration	Huawei, HiSilicon	discussion	Rel-15	NR_newRAT-Core
R2-1710595	RAN notification area configuration	Intel Corporation	discussion	Rel-15	NR_newRAT-Core R2-1708805
R2-1710829	RAN Notification Area configuration	Ericsson	discussion	Rel-15	NR_newRAT-Core

R2-1710830	Draft LS response to RAN3 LS on RAN Notification Areas	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711144	Definition of RAN Notification Area	LG Electronics France	discussion	NR_newRAT-Core
R2-1711465	Discussion on RAN Notification Area Configuration	SHARP Corporation	discussion	R2-1708178
R2-1711780	RNA configuration	China Telecom Corporation Ltd.	discussion	

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

R2-1710121	RRC procedures for the RAN paging area	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1710429	Consideration on periodic RAN area update procedure	ZTE Corporation, Sane Chips	discussion	Rel-15
R2-1710582	Discussion on CN location Update and RNA Update for inactive state	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710596	RNAU failure handling	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710677	RAN Location Area Update Procedure for NR	InterDigital	discussion	Rel-15 NR_newRAT-Core
R2-1710825	Retrieve UE Context via CN for RLAI	Potevio	discussion	
R2-1710827	RAN area update in RRC_INACTIVE	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710982	Discussion on RAN-based location area update procedure in NR	ASTRI, TCL Communication Ltd.	discussion	
R2-1711149	Timer handling of RAN-based location area update	LG Electronics France	discussion	Rel-15 NR_newRAT-Core
R2-1711373	Discussion on RAN notification area update	Lenovo, Motorola Mobility	discussion	Rel-15 NR_newRAT-Core
R2-1711760	Periodic RNA update	CATT	discussion	Rel-5 NR_newRAT-Core R2-1707908

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

R2-1710122	Further considerations on the CN and RAN paging	Samsung	discussion	Rel-15 NR_newRAT-Core
R2-1710231	Introduction of the Non-Contention based RACH for INACTIVE UE	OPPO	discussion	
R2-1710288	Procedure of paging in inactive	CATT	discussion	Rel-15 NR_newRAT-Core R2-1707909
R2-1710597	RAN-initiated paging details	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1711126	CN-initiated paging for a UE in RRC_INACTIVE	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core R2-1709107
R2-1711153	Paging Failure Handling in RRC_INACTIVE	CMCC	discussion	Rel-15 NR_newRAT-Core
R2-1711366	Paging in RRC_INACTIVE	Ericsson	discussion	Rel-15 NR_newRAT-Core R2-1708171
R2-1711393	RAN paging DRX in RRC_INACTIVE	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core R2-1708464
R2-1711502	RAN initiated paging	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core R2-1709529

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.

R2-1710123	Inter-RAT mobility in the RRC INACTIVE state NR_newRAT-Core	Samsung	discussion	Rel-15
R2-1710124	Text proposal UE inter-RAT re-selection in INACTIVE discussion Rel-15 NR_newRAT-Core	Samsung, Nokia, Nokia Shanghai Bell		
R2-1710583	Inter-RAT mobility for inactive UE Huawei, HiSilicon Core	discussion	Rel-15	NR_newRAT-Core
R2-1710598	Mobility of UE in INACTIVE between NR and E-UTRA connected to 5GC discussion Rel-15 NR_newRAT-Core R2-1708807	Intel Corporation		
R2-1710836	Mobility between LTE and NR for inactive Ues NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1711353	Additional SIB in EUTRAN for supporting NR SA deployments Rel-15 NR_newRAT-Core	Ericsson	discussion	
R2-1711690	Inter-RAT mobility between NR and eLTE for Inactive state Rel-15 NR_newRAT-Core R2-1709284	LG Electronics Inc.	discussion	

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

R2-1710568	Security of INACTIVE to CONNECTED state transition Rel-15 NR_newRAT-Core	Huawei, HiSilicon	discussion	
R2-1710599	NR security framework Intel Corporation	discussion	Rel-15	NR_newRAT-Core
R2-1710600	[DRAFT] LS on security handling for resumption, re-establishment and handover Corporation discussion Rel-15 NR_newRAT-Core	Intel		
R2-1710835	Security for RRCConnectionResumeRequest message 15 NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1710944	Security aspects in RRC INACTIVE vivo	discussion	Rel-15	NR_newRAT-Core
R2-1711147	Consideration on security aspect for inactive UEs 15 NR_newRAT-Core	LG Electronics France	discussion	Rel-15
R2-1711771	Security procedure from RRC_INACTIVE state in NR discussion R2-1709501	SAMSUNG Electronics Co., Ltd.		
R2-1711796	[DRAFT] LS on security framework for INACTIVE in NR discussion	Samsung R&D Institute India		

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.

R2-1710232	Discussion on Cell Reselection Priority for INACTIVE UE	OPPO	discussion	
R2-1710234	Discussion on Cached Data Handling for INACTIVE UE	OPPO	discussion	
R2-1710381	Consideration on UE Identity in RNA 15 Withdrawn	Spreadtrum Communications	discussion	Rel-15
R2-1710473	RAN Sharing and identifier aspects in NR Core R2-1708172	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710545	RLAU procedure and interaction with TAU Huawei, HiSilicon 1708215	discussion	Rel-15	R2-1708215
R2-1710584	RRC state transition from INACTIVE to IDLE 15 NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710585	Cell reselection for inactive UEs Huawei, HiSilicon Core	discussion	Rel-15	NR_newRAT-Core

R2-1710586	Support of redistribution priority in NR NR_newRAT-Core	Huawei, HiSilicon	discussion	Rel-15
R2-1710601	NAS/AS interaction when resuming NR_newRAT-Core R2-1708809	Intel Corporation	discussion	Rel-15
R2-1710627	Cell reselection for inactive UEs Core R2-1708815	Intel Corporation	discussion	Rel-15 NR_newRAT-
R2-1710786	RRC_INACTIVE Principles	Qualcomm Incorporated	discussion	R2-1709635
R2-1710828	CN area updating in RRC_INACTIVE Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1710831	UE context ID discussion	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711079	UE actions upon cell reselection in RRC_INACTIVE discussion Rel-15 NR_newRAT-Core R2-1709332	ASUSTEK COMPUTER (SHANGHAI)		
R2-1711124	Consideration on MICO mode for RRC_INACTIVE NR_newRAT-Core R2-1709104	LG Electronics Inc.	discussion	Rel-
R2-1711125	Support for PLMN selection in RRC_INACTIVE NR_newRAT-Core R2-1709108	LG Electronics Inc.	discussion	Rel-
R2-1711143	Offloading UEs in RRC_INACTIVE NR_newRAT-Core R2-1709110	LG Electronics Inc.	discussion	Rel-15
R2-1711395	Handling of radio bearers and security for data transmission in RRC_INACTIVE Electronics Inc. discussion Rel-15 NR_newRAT-Core R2-1708459	LG		
R2-1711818	PLMN Selection in RRC INACTIVE state	SAMSUNG Electronics Co., Ltd.	discussion	R2-1709500

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

R2-1710170	QoS Flow based Access Control for CONNECTED Mode in NR NR_newRAT-Core	TCL	discussion	
R2-1710261	Discussion on access control in NR R2-1706340	OPPO	discussion	Rel-15 NR_newRAT-Core
R2-1710289	Consideration on access control	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710423	Establishment cause and call type for NR access control discussion Rel-15	ZTE Corporation, Sane Chips		
R2-1710424	Consideration on the access control in NR	ZTE Corporation, Sane Chips	discussion	Rel-15
R2-1710477	Signaling of access control parameters Core	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1710478	Access control for NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710479	Access Control for RRC-initiated Access Attempts NR_newRAT-Core	Ericsson	discussion	Rel-15
R2-1710480	Establishment causes for NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710481	Draft LS to CT1 on establishment causes	Ericsson	LS out	Rel-15 NR_newRAT-Core
R2-1710482	Draft Reply LS to SA1 on Unified Access Control for 5G NR NR_newRAT-Core	Ericsson	LS out	Rel-15
R2-1710602	RAN implications of 5G Access Control requirements Rel-15 NR_newRAT-Core	Intel Corporation	discussion	
R2-1710603	5G access control mechanism in IDLE and INACTIVE Rel-15 NR_newRAT-Core	Intel Corporation	discussion	
R2-1710604	5G access control mechanism in CONNECTED NR_newRAT-Core R2-1708812	Intel Corporation	discussion	Rel-
R2-1710800	Unified Access Control in different RRC Modes	Qualcomm Incorporated	discussion	R2-1709648

R2-1710897	Considerations on Access Control in NR	KT Corp.	discussion	
R2-1711273	Access Barring in NG-RAN	Nokia, Nokia Shanghai Bell	discussion	Rel-15
	NR_newRAT-Core			
R2-1711274	Access Control applicability to different RRC states	Nokia, Nokia Shanghai Bell		
	discussion	Rel-15 NR_newRAT-Core		
R2-1711275	Congestion Control for RRC_CONNECTED	Nokia, Nokia Shanghai Bell	discussion	
	Rel-15 NR_newRAT-Core	R2-1709208		
R2-1711385	Access category based access barring for RRC_IDLE and RRC_INACTIVE			LG
	Electronics Inc. discussion	Rel-15 NR_newRAT-Core	R2-1708455	
R2-1711394	Random Access Backoff and Access Barring	LG Electronics Inc.	discussion	Rel-15
	NR_newRAT-Core	R2-1708463		
R2-1711398	Access category based access barring mechanism for RRC_CONNECTED	LG Electronics Inc.		
	discussion	Rel-15 NR_newRAT-Core	R2-1708458	
R2-1711487	Basic Access Control in NR	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	Core	R2-1709545		
R2-1711498	Access Control in NR for RRC_CONNECTED	Huawei Technologies France	discussion	
	Rel-15 NR_newRAT-Core	R2-1709551		
R2-1711499	Access Control in RRC_INACTIVE	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core	R2-1709542		
R2-1711500	Access Control for MT	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
	R2-1709552			
R2-1711624	Way-forward for NR access control	Samsung	discussion	NR_newRAT-Core
R2-1711625	NR access control procedure	Samsung	discussion	NR_newRAT-Core
R2-1711626	On linking Establishment Cause and standardized access category	Samsung	discussion	
R2-1711627	Barring configuration in NR access control	Samsung	discussion	NR_newRAT-Core
R2-1711628	Barring skip indicator in NR	Samsung	discussion	NR_newRAT-Core
R2-1711635	Unified Access Control	MediaTek Beijing Inc.	discussion	

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.

R2-1710513	Internode RRC messages for EN-DC	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710853	Text proposal for mobility related inter-node messages	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711100	Inter-node message design for EN-DC	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1711400	Measurement result contents for SN addition in MRDC	Samsung R&D Institute UK	discussion	
R2-1711503	Defining initial baseline inter-node signalling for 38.331	Samsung Telecommunications		
	discussion	Rel-15		
R2-1711823	Inconsistencies of inter-node messages in RAN2 and RAN3	HTC Corporation		
	discussion			

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.

R2-1710483	Wait Timer in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711806	UE Assistance Information for energy efficiency enhancement	Samsung Electronics		
	discussion	Rel-15 NR_newRAT-Core	R2-1709580	

R2-1711819 RRC signalling to support LTE+NR Co-existence SAMSUNG Electronics Co., Ltd. discussion
R2-1709504

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

R2-1711128 CR for TS 36.331 - general changes to support EN-DC Ericsson discussion Rel-15 NR_newRAT-Core
R2-1711505 Introducing support for NR (draft running CR to 36.331) Samsung Telecommunications CR
Rel-15 36.331 14.4.0 3115 - B NR_newRAT-Core R2-1709488

10.4.2.2 RRM measurements

Introduction of inter-RAT NR measurements within LTE RRC.

This agenda item is relevant to EN-DC completion.

R2-1710238 Discussion on NR Events Configuration in EN-DC OPPO discussion
R2-1710362 Inter-RAT measurement for EN-DC Fujitsu discussion Rel-15 NR_newRAT-Core
R2-1710436 Discussion on requirement of measurement in E-UTRAN ZTE Corporation, Sane Chips
discussion Rel-15
R2-1710619 Measurement reporting of NR serving cells in EN-DC Intel Corporation discussion
Rel-15 NR_newRAT-Core
R2-1710668 LTE Measurement Reports for EN-DC InterDigital discussion Rel-15 NR_newRAT-Core
R2-1710809 Inter-RAT measurement of NR in LTE LG Electronics Inc. discussion Rel-15
NR_newRAT-Core R2-1708899
R2-1710863 Remaining issues for inter-RAT measurements from LTE to NR MediaTek Inc. discussion
R2-1711059 Cell selection and reselection for NR IDLE - cell selection/reselection criteria Nokia
discussion Rel-15 NR_newRAT-Core R2-1708476
R2-1711097 Consideration on inter-RAT measurement in EN-DC Huawei, HiSilicon discussion
Rel-15 NR_newRAT-Core
R2-1711120 SSTP measurements for EN-DC NTT DOCOMO, INC. discussion Rel-15 NR_newRAT-Core
R2-1711121 [DRAFT] LS on SSTP measurements for EN-DC NTT DOCOMO, INC. LS out Rel-15
NR_newRAT-Core
R2-1711129 TP for TS 36.331 - inter-RAT NR measurements Ericsson discussion Rel-15
NR_newRAT-Core
R2-1711298 Inter-RAT Measurement Framework Samsung R&D Institute India discussion
R2-1711299 Measurement Gap Configuration for EN-DC Samsung R&D Institute India discussion
R2-1711459 Support of reportOnLeave for E-UTRA B1 and B2 Nokia, Nokia Shanghai Bell discussion
Rel-15 NR_newRAT-Core
R2-1711460 36.331 CR: Support of reportOnLeave for E-UTRA B1 and B2 Nokia, Nokia Shanghai Bell
CR Rel-15 36.331 14.4.0 3109 - B NR_newRAT-Core

10.4.2.3 Other

Including the NR indication in LTE system information, etc

This agenda item is relevant to EN-DC completion.

R2-1710119	How to implement an NR indicator in LTE system information discussion	NTT DOCOMO, INC.
	Rel-15 NR_newRAT-Core	
R2-1710512	Introducing 5G indication in LTE RRC SIB Ericsson	discussion Rel-15 NR_newRAT-Core
R2-1710694	Fast DC configuration in EN-DC MediaTek Inc.	discussion Rel-15 NR_newRAT-Core
	R2-1708271	
R2-1711058	Cell selection and reselection for NR IDLE - cell quality derivation Nokia	discussion Rel-15 NR_newRAT-Core
	R2-1708475	
R2-1711135	Tunneling of NR RRC messages via LTE Ericsson	discussion Rel-15 NR_newRAT-Core

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

R2-1710609	Email discussion report on [99#24][NR] Decoupling DL band and UL bands Intel Corporation
	discussion Rel-15 NR_newRAT-Core
R2-1710691	Further analysis on decoupling DL and UL bands Intel Corporation
	discussion Rel-15 NR_newRAT-Core

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

R2-1710115	Summary of email discussion [99#26][NR] Capability coordination - Part 2 NTT DOCOMO, INC.
	(Email discussion rapporteur) report Rel-15 NR_newRAT-Core
R2-1710342	Capability design for SA NR Huawei, HiSilicon
	discussion Rel-15 NR_newRAT-Core
R2-1710632	Email Disc on [99#25][NR] Capability coordination - Part 1 Intel Corporation
	discussion Rel-15 NR_newRAT-Core
R2-1710690	Baseband processing capability structure for NSA Intel Corporation
	discussion Rel-15 NR_newRAT-Core
R2-1711677	Indication of UE Capability to Manage MSD Using In-Device Techniques AT&T
	discussion
R2-1711792	Considerations on single UL/ dual UL transmission for LTE-NR China Unicom
	discussion

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

R2-1710860	Email discussion summary for [99#27][NR] Capability coordination, Part 3 Nokia, Nokia
	Shanghai Bell report Rel-15 NR_newRAT
R2-1711560	MR-DC UE capability dependency and coordination Qualcomm Incorporated
	discussion Rel-15 NR_newRAT

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.

R2-1710116	TP on UE capability structure and retrieval procedures	NTT DOCOMO, INC.	pCR	Rel-15
	38.331 0.0.5 NR_newRAT-Core			
R2-1710248	Discussion on 1Tx/2Tx UE Capability for EN-DC	OPPO	discussion	
R2-1710612	Further consideration on peak data rate calculation	Intel Corporation	discussion	
	Rel-15 NR_newRAT-Core			
R2-1711523	L2 Buffer Size capability	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1711618	Total L2 buffer size calculation	NTT DOCOMO INC.	discussion	Rel-15 NR_newRAT-Core

10.4.3.5 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

R2-1710344	UE temporary access capability restriction	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1710611	Temporary capability restriction	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
	Core R2-1708788			
R2-1710945	UE radio access capabilities change	vivo	discussion	Rel-15 NR_newRAT-Core
	R2-1708415			
R2-1711521	UE Capability Restrictions	Ericsson	discussion	Rel-15 NR_newRAT-Core
	1708033			R2-

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.

R2-1710343	Network handling on UE static access capability	Huawei, HiSilicon	discussion	Rel-15
	NR_newRAT-Core			
R2-1711420	NR UE Capability Size Reduction	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-Core
	Core R2-1709453			
R2-1711504	Use of identifier representing NR UE capabilities, baseline	Samsung Telecommunications		
	discussion	Rel-15		
R2-1711522	UE Capability Compression	Ericsson	discussion	Rel-15 NR_newRAT-Core
	R2-1708034			
R2-1711561	Reducing the size of UE capabilities	Qualcomm Incorporated	discussion	Rel-15
	NR_newRAT R2-1707837			
R2-1711745	UE capability retrieval framework in NR	NTT DOCOMO INC.	discussion	

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

R2-1711205	Paging for wideband carrier in NR	Samsung	discussion	Rel-15
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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.

R2-1711588 New Generation Radio Access Network; User Equipment (UE) procedures in Idle mode
Qualcomm Incorporated draft TS Rel-15 38.304 0.0.5 NR_newRAT-Core R2-1709627

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.

R2-1710447	Cell selection and reselection criteria and measurement configuration discussion	Ericsson	Rel-15 NR_newRAT-Core
R2-1710466	Cell selection and reselection rules	Huawei, HiSilicon	discussion Rel-15 NR_newRAT-Core
R2-1710628	Further considerations for cell (re)selection	Intel Corporation	discussion Rel-15 NR_newRAT-Core
R2-1710726	Service based Inter-RAT cell reselection	China Telecom	discussion
R2-1710946	Cell selection reselection in NR	vivo	discussion Rel-15 NR_newRAT-Core R2-1708431
R2-1711591	Discussion on cell (re)selection while the beam number is less than N	HTC Corporation, Mediatek	discussion Rel-15 NR_newRAT-Core R2-1708315
R2-1711716	Cell Selection/Reselection method for NR IDLE mode	Samsung Electronics	discussion

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.

R2-1710444	Cell quality derivation for idle/inactive UEs	Ericsson	discussion Rel-15 NR_newRAT-Core R2-1708579
R2-1710467	Derivation of cell quality in IDLE/INACTIVE	Huawei, HiSilicon	discussion Rel-15 NR_newRAT-Core R2-1708076
R2-1710629	Cell quality derivation for idle mobility	Intel Corporation	discussion Rel-15 NR_newRAT-Core R2-1708817
R2-1710807	Cell quality derivation in IDLE/INACTIVE	LG Electronics Inc.	discussion Rel-15 NR_newRAT-Core R2-1708898
R2-1710947	Cell quality derivation in idle inactive mode	vivo	discussion Rel-15 NR_newRAT-Core R2-1708430
R2-1711442	Cell Quality Derivation for Cell Reselection	Convida Wireless LLC	discussion Rel-15 NR_newRAT-Core
R2-1711715	Cell quality derivation method for NR IDLE mode	Samsung Electronics	discussion

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.

R2-1710104	Cell Re-selection: Service Specific Frequency Prioritisation in NR	Samsung R&D Institute India	discussion Rel-15 NR_newRAT-Core R2-1707687
R2-1710469	Service-based camping	Huawei, HiSilicon	discussion Rel-15 NR_newRAT-Core R2-1708077
R2-1710484	Service-based RAT/frequency selection in INACTIVE or in IDLE [2]	Ericsson	discussion Rel-15 NR_newRAT-Core R2-1708174
R2-1710630	Service based cell reselection	Intel Corporation	discussion Rel-15 NR_newRAT-Core R2-1708818

R2-1710813	Service based cell reselection Core R2-1708904	LG Electronics Inc.	discussion	Rel-15 NR_newRAT-
R2-1711769	Service-based cell reselection discussion R2-1709078	ITRI, ASUSTeK	discussion	NR_newRAT-Core

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.*

R2-1710448	Mobility states and state based scaling Core R2-1709299	Ericsson	discussion	Rel-15 NR_newRAT-
R2-1710449	Considering the number of good beams for cell reselection	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710450	Cell reselection measurement rules	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710451	Cell selection and reselection rules for inactive UEs	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710452	Cell-specific prioritisation at reselection	Ericsson	discussion	Rel-15 NR_newRAT-Core
R2-1710468	Speed dependent mobility for idle mode NR_newRAT-Core R2-1708078	Huawei, HiSilicon	discussion	Rel-15
R2-1710470	Cell reservation and forward compatibility for CSG in N	Huawei, HiSilicon	discussion	Rel-15 NR_newRAT-Core
R2-1710475	Camping in NR	Ericsson	discussion	Rel-15 NR_newRAT-Core R2-1708176
R2-1710476	CSG-like selection and camping limitations in NR NR_newRAT-Core R2-1708175	Ericsson	discussion	Rel-15
R2-1710805	Cell Barring and Reservations for NR	Qualcomm Incorporated	discussion	R2-1709633
R2-1710806	CSG Type Functionality for NR R2-1709630	Qualcomm Incorporated, Deutsche Telekom	discussion	
R2-1710948	Consideration on forward compatibility R2-1708432	vivo	discussion	Rel-15 NR_newRAT-Core
R2-1711646	NR forward compatibility issue for CSG R2-1709279	LG Electronics Inc.	discussion	Rel-15 R2-1709279
R2-1711648	Idle Measurement Enhancement using UE speed R2-1709281	LG Electronics Inc.	discussion	Rel-15
R2-1711722	Speed dependant parameters in NR IDLE and INACTIVE mode mobility discussion			Samsung Electronics

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.*

R2-1710097	Paging in NR – Beamforming Aspects Rel-15 NR_newRAT-Core R2-1707688	Samsung R&D Institute India	discussion	Rel-15
R2-1710101	PO Determination for Paging Reception Rel-15 NR_newRAT-Core R2-1707689	Samsung R&D Institute India	discussion	Rel-15
R2-1710290	Issues for Paging Occasion	CATT	discussion	Rel-15 NR_newRAT-Core
R2-1710340	Reply LS on NR Paging Occasion	Samsung R&D Institute India	LS out	Rel-15 NR_newRAT-Core
R2-1710425	Calculation of paging occasion in NR Rel-15	ZTE Corporation, Sanes Chips	discussion	Rel-15
R2-1710426	Paging occasion mechanism comparison Rel-15	ZTE Corporation, Sanes Chips	discussion	Rel-15

R2-1710427	Overhead Reduction for Paging in Multi-beam Operation	ZTE Corporation, Sane Chips			
	discussion	Rel-15			
R2-1710445	Delivery of paging messages	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1710446	Response-driven paging to reduce beam sweeping overhead in NR	Ericsson			
	discussion	Rel-15	NR_newRAT-Core		
R2-1710540	Definition of Paging Frame and Paging Occasion	Huawei, HiSilicon	discussion	Rel-	
	15	R2-1708216			
R2-1710541	Efficiency of direct and response-driven paging	Huawei, HiSilicon	discussion	Rel-	
	15	R2-1709662			
R2-1710631	Calculation of paging occasion	Intel Corporation	discussion	Rel-15	NR_newRAT-Core
	R2-1708819				
R2-1710678	Paging In High Frequency InterDigital	discussion	Rel-15	NR_newRAT-Core	R2-
	1708745				
R2-1710679	Paging Indicator Details	InterDigital	discussion	Rel-15	NR_newRAT-Core
	1708746				R2-
R2-1710793	Consideration on NR paging	Qualcomm Incorporated	discussion	R2-1709642	
R2-1710798	Use of multiple P-RNTIs for NR paging	Qualcomm Incorporated	discussion	R2-1709641	
R2-1710802	NR Paging Occasion for Paging DCI and Paging Message	MediaTek Inc.	discussion		
R2-1710803	Draft Reply LS on NR Paging Occasion	MediaTek Inc.	discussion		
R2-1710979	Discussion on downlink overhead reduction for NR paging	ASTRI, TCL Communication Ltd.			
	discussion				
R2-1710985	Discussion on response beam selection in indication-based paging	ASTRI, TCL Communication Ltd.			
	discussion				
R2-1711046	Providing more information relating to MT data in Paging	Beijing Xiaomi Mobile Software			
	discussion	Rel-15	R2-1709178		
R2-1711367	DRX in idle state	Ericsson	discussion	Rel-15	NR_newRAT-Core
R2-1711368	DRAFT LS on maximum DRX value for NR in Release 15	Ericsson	LS out	Rel-15	
	NR_newRAT-Core				
R2-1711369	Configuration of paging transmissions in multi-beam operation	Ericsson	discussion		
	Rel-15	NR_newRAT-Core			
R2-1711386	CN paging DRX in RRC_IDLE	LG Electronics Inc.	discussion	Rel-15	NR_newRAT-Core
	R2-1708456				
R2-1711397	Discussion on NR paging occasion (for response to RAN1)	LG Electronics Inc.	discussion		
	Rel-15	NR_newRAT-Core			
R2-1711425	UE Assisted Paging	Convida Wireless LLC	discussion	Rel-15	NR_newRAT-Core
R2-1711501	Paging mechanism with beam sweeping	Huawei Technologies France	discussion	Rel-	
	15	NR_newRAT-Core	R2-1709554		

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.

R2-1710637	[Draft] Reply LS on simultaneous transmission and/or reception over EPC/E-UTRAN and 5GC/NR	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710639	[Draft] Reply LS on coexistence between RRC inactive and dual connectivity	Intel Corporation	discussion	Rel-15 NR_newRAT-Core
R2-1710653	Discussion related to LS on Number of DRBs supported	Intel Corporation	discussion	Rel-15 TEI15
R2-1710654	[Draft] Reply LS on the number of bearers	Intel Corporation	discussion	Rel-15 TEI15

13 Any other business

14 Closing of the meeting (17:00)