

Object: RAN WG2 #68bis skeleton report based on Agenda Proposal
Source: MCC

1 Opening of the meeting (9AM)

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 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.

2 General

2.1 Proposed Agenda

R2-100001 Proposed agenda for RAN2 #68bis, Valencia, Spain, 9.01.-13.01.2010 Samsung (RAN2 chairman)Agenda

THANK YOU for companies that submit contributions before deadline. Also early submissions are appreciated. Will start to refrain from treating late documents.

2.2 Minutes of previous meeting

R2-100002 Draft report of RAN2 #68, Jeju, Korea, 9.11.-13.11.2009 ETSI MCC Report to be agreed on Friday of the meeting

2.3 Reporting from other meeting

Reporting from RAN

WI/SI's status:

- Most Rel-9 WI's received a one quarter exception: see table in 2.4 for status of main RAN2 related Rel-9 WI/SI's.
- See table in section 2.4 also for main RAN2 related new WI/SI's accepted by RAN.

Rel-8 FGI bits:

- Discussion on RAN reflector on handling of Rel-8 FGI bits by Rel-9 UE's; no immediate action for RAN2.

Rel-9 optionality bits:

- RAN decided not to have FGI bits for Rel-9 features.
- RAN2 should capture the optionality and mandatory features as agreed by RAN#46 (see RP-091452), see agenda item 4.2.2.

UMTS fast dormancy:

- Technically endorsed CR's not accepted; RAN2 can see whether some additional changes are really necessary. Should have no ASN.1 impact

Reporting from SA (copied from RAN chairman reporting)

1xRTT CSFB

- SA2 CRs, which RAN endorsed in RAN#46, were approved in SA. LSs to SA and 3GPP2 were noted without any discussion.

SA3 CR 0319 to TS33.401 titled "Clarification of SIM user handover from UTRAN to E-UTRAN" (SP-090812)

- It was pointed out that this CR was developed based on LS from RAN2, however, there is a possibility that SA3 misunderstood RAN2 intention. This CR was not approved and agreed to send a LS to RAN2 to ask RAN2 intention. The LS is SP-090893

LS on latest version of TS22.368 (SP-090870)

- This LS was submitted to RAN2, RAN3 and RAN4 to inform latest version of a SA1 spec on machine type communication. This TS is expected to be approved in February 2010 in SA1. I'm sure that RAN group will start discussion on SI: RAN improvements for Machine-type communication in each WG and I hope RAN group to note SA1 outcome for our study after this.

Reporting from ITU meeting

R2-100576 Report from LTE Advanced Evaluation Workshop Ericsson
FS_RAN_LTEA

Report REL-9

2.4 Other

Rapporteurship changes

	Previous	New
25.321	Markus Wimmer (NSN)	He Jing (NSN)

Planning

For information, main open WI's/SI's with RAN2 responsible for certain output to a certain RAN meeting:

Main RAN2 related WI/SI's	RAN Tdoc	Lead WG	WI or SI	RAN2 Agenda	Planning w.r.t. RAN delivery	Remarks
UMTS + LTE						
Home-(e)NB enhancements	RP-091392	2	WI	4.2.1 6.4 - LTE 10.3 - UMTS	Exception up to RAN#47	Exception sheet: RP-091442
Minimisation of Drive Test	RP-091423	2	WI	4.3.1	All CR's: RAN#50	
RAN Improvements for Machine-type Communications	RP-090991	2	SI	4.3.2	TR for approval to RAN#48	
UMTS						
DC-HSUPA	RP-090014	1	WI	10.2	Exception up to RAN#47	Exception sheet: RP-091388
LCR TDD MC-HSUPA	RP-090990	1	WI	11.1	Stage-2: RAN#48 Stage-3: RAN#49	
4C-HSDPA	RP-091438	1	WI	11.2	Stage-2: RAN#47 Stage-3: RAN#49	
RF pattern matching in UMTS	RP-091427	2	WI	11.3	All CR's: RAN#48	
LTE						
Positioning	RP-091389	2	WI	6.1	Exception up to RAN#47	Exception sheet: RP-091390
MBMS over LTE	RP-091457	2	WI	6.3	Exception up to RAN#47	Exception sheet: RP-091221
Network-Based positioning Support for LTE	RP-090354	2	WI	6.7	Exception up to RAN#47	Exception sheet: RP-091391 Only discuss in RAN2 after RAN1 has agreed on significant benefit
Carrier aggregation	RP-091440	1	WI	7.1	All CR's: RAN#50	
Latency reduction	RP-091449	2	WI	7.2	All CR's: RAN#50	
Relay	RP-091434	1	WI	-	All CR's: RAN#50	Only start from 2010 Q2 in RAN2
LTE-A	RP-091360	1	SI	7.3	Relay TR for approval to RAN#47	

R2-100003 RAN WG2 compendium v6.0 ETSI MCC Info
updated after RAN #46
=> noted (for information)

3 Incoming liaisons

3.1 Joint UMTS/LTE relevance

Inter PLMN Handover:

R2-100008 Response LS to R2-096277 on CS Inter-PLMN Handover REL-8 LTE-L23
(C1-095733; to: RAN2, SA2, RAN3; cc: CT4, SA1, SA3; contact: Ericsson) CT1
no explicit RAN2 action requested; no LS answer?

R2-100018 Reply LS to R2-096277 on Inter-PLMN Handover REL-8 LTE-L23
(R3-093403; to: CT1, SA2, RAN2; cc: SA3, CT4; contact: NEC) RAN3
no explicit RAN2 action requested; no LS answer?

R2-100024 Reply LS to S2-096387 = R2-096319 on inter PLMNs handover REL-8 LTE-L23
(S1-094130; to: SA2, CT1, SA3, RAN2; cc: RAN3; contact: Ericsson) SA1
no explicit RAN2 action requested; no LS answer?

UTRA to E-UTRA Handover:

R2-100032 Reply LS to R2-096245 on preventing UTRA to EUTRA handover for USIM-less UE REL-
9 TEI9, LTE-L23
(S3-092180; to: RAN2; cc: -; contact: Ericsson) SA3
no explicit RAN2 action requested; no LS answer?

R2-100036 LS on preventing UTRA to EUTRA handover for USIM-less UE REL-9 TEI9, LTE-L23
(SP-090893; to: RAN2; cc: SA3; contact: Huawei) SA
RAN2 action requested; LS answer drafted?

Home (e)Node B:

R2-100016 LS on support for inbound mobility to CSG and hybrid cells REL-9 EHNB-RAN2
(R3-093377; to: RAN2, SA2; cc: -; contact: Qualcomm) RAN3
RAN2 action requested; LS answer drafted?

R2-100023 LS on providing backhaul signalling in support of time and frequency synchronization using
network listening REL-9 HeNB-RF_TDD
(RP-091447; to: RAN3, RAN4; cc: RAN2; contact: Qualcomm) RAN
no RAN2 action requested; no LS answer?

R2-100035 LS on H(e)NB emergency handling security requirement REL-9 FS_HNB_sec
(S3-092205; to: RAN2, SA1; cc: SA2; contact: Huawei) SA3
RAN2 action requested; LS answer drafted?

MDT:

R2-100022 LS on Minimization of drive tests for E-UTRAN and UTRAN REL-9 FS_NGN_min_drive-
tests
(RP-091421; to: OMA DM; cc: RAN2, SA5; contact: O2) RAN
no RAN2 action requested; no LS answer?

Other:

R2-100014 LS on indication of support of priority-based cell reselection from GERAN to UTRAN REL-
8 GELTE
(GP-092439; to: CT1, SA2; cc: RAN2; contact: NSN) GERAN2
no RAN2 action requested; no LS answer?

3.2 LTE relevance

LCS for LTE:

R2-100004 Reply LS to R2-096257 on use cases for cell change indication from MME to E-SMLC REL-
9 LCS_LTE
(C4-094007; to: RAN2; cc: SA2, CT1, RAN3; contact: Andrew) CT4
was not treated LSin at RAN2 #68; no explicit RAN2 action requested; no LS answer?

R2-100005 Reply LS to R2-096257 on Use cases for cell change indication from MME to E-SMLC REL-
9 LCS_LTE
(C1-095299; to: RAN2, SA2, CT4; cc: -; contact: Qualcomm) CT1
no explicit RAN2 action requested; no LS answer?

R2-100027 Reply LS to R2-096257 on Use cases for cell change indication from MME to E-SMLC REL-
9 LCS_LTE

(S2-097525; to: RAN2, RAN3, CT4; cc: CT1; contact: Alcatel-Lucent) SA2
 RAN2 action requested; LS answer drafted?

- R2-100011 LS on ECGI in the Location Request message REL-9 LCS_LTE
 (C4-094013; to: SA2, CT1; cc: RAN2, RAN3; contact: Huawei) CT4
 no RAN2 action requested; no LS answer?
- R2-100028 Reply LS to C4-094013 = R2-100011 on ECGI in the Location Request message REL-9
 LCS_LTE
 (S2-097526; to: CT4; cc: CT1, RAN2, RAN3; contact: Huawei) SA2
 no RAN2 action requested; no LS answer?
- R2-100012 Reply LS to R2-097372 on feasibility of reliable transmission of LPP message REL-9
 LCS_LTE
 (C4-094207; to: RAN2; cc: RAN3, CT1, SA2; contact: NTT DOCOMO) CT4
 withdrawn as already treated at RAN2 #68
- R2-100029 Reply LS to R2-097372 on feasibility of reliable transmission of LPP message REL-9
 LCS_LTE
 (S2-097527; to: RAN2; cc: CT1, CT4; contact: NTT DOCOMO) SA2
 no explicit RAN2 action requested; no LS answer?
- R2-100006 Reply LS to R2-096253 on segmentation and reassembly for LPP REL-9 LCS_LTE
 (C1-095710; to: RAN2; cc: -; contact: Ericsson) CT1
 no explicit RAN2 action requested; no LS answer?
- R2-100017 LS on Transparent Routing of LPPa PDUs over S1 interface REL-9 LCS_LTE
 (R3-093382; to: SA2; cc: RAN2, CT4; contact: Alcatel-Lucent) RAN3
 no RAN2 action requested; no LS answer?
- R2-100026 Reply LS to C1-094472 = R2-096214, R2-095338 on Transport and storage of capabilities for UE
 positioning REL-9 LCS_LTE
 (S2-097327; to: CT1, CT4, RAN2; cc: -; contact: Motorola) SA2
 no explicit RAN2 action requested; no LS answer?
- R2-100037 LS Response to R1-093727 = R2-095415 on RSTD Measurement Applicability REL-9
 LCS_LTE
 (R4-094990; to: RAN1, RAN2; cc: RAN3; contact: Ericsson) RAN4
 no explicit RAN2 action requested; no LS answer?
- R2-100039 LS Response to R1-093729 = R2-095416 on Assistance Information for OTDOA Positioning
 Support for LTE REL-9 LCS_LTE
 (R4-095038; to: RAN1, RAN2, RAN3; cc: -; contact: Ericsson) RAN4
 no explicit RAN2 action requested; no LS answer?

Relay Architecture:

- R2-100007 Reply LS to R2-095331 on Relay Architecture Aspects REL-9 FS_RAN_LTEA
 (C1-095731; to: RAN2, RAN3; cc: SA2; contact: NSN) CT1
 no explicit RAN2 action requested; no LS answer?
- R2-100030 LS Response to R2-095331 on Relay Architecture Aspects REL-9 FS_RAN_LTEA
 (S2-097544; to: RAN2, RAN3; cc: CT1, SA5; contact: Motorola) SA2
 no explicit RAN2 action requested; no LS answer?

R2-100019 LS on Un interface security for Relay Architecture in LTE-Advanced REL-9
FS_RAN_LTEA
(R3-093404; to: SA3; cc: SA2, RAN2; contact: NTT DOCOMO) RAN3
no RAN2 action requested; no LS answer?

R2-100034 Reply LS to R3-093404 = R2-100019 on Un interface security for Relay Architecture in LTE-Advanced REL-9 FS_RAN_LTEA
(S3-092195; to: RAN3; cc: SA2, RAN2; contact: Huawei) SA3
no explicit RAN2 action requested; no LS answer?

Emergency calls:

R2-100013 LS on use of emergency cause value for TAU REL-9 IMS_EMER_LTE
(CP-091060; to: RAN2, CT1; cc: SA2; contact: Alcatel-Lucent) CT
RAN2 action requested; LS answer drafted?

R2-100015 Reply LS to C1-094773 = R2-096302 on Emergency Call Support Indication on BCCH REL-9 IMS_EMER_LTE
(R3-093339; to: CT1; cc: RAN2, SA2; contact: Alcatel-Lucent) RAN3
no RAN2 action requested; no LS answer?

R2-100009 Reply LS to S2-096386 = R2-096318 on emergency attach in a shared LTE network REL-9 TEI9, LTE-L23
(C1-095744; to: RAN2, RAN3, SA2, SA3; cc: -; contact: NSN) CT1
RAN2 action requested; LS answer drafted?

Security aspects:

R2-100010 LS on Network sharing and stand alone Authentication procedure REL-8 LTE-L23
(C1-095748; to: SA3; cc: RAN2; contact: Motorola) CT1
no RAN2 action requested; no LS answer?

R2-100031 Reply LS to C1-094652 = R2-096231, R2-096277, S2-096387 = R2-096319, C1-095733 = R2-100008, R3-093403 = R2-100018, C1-095748 = R2-100010, S2-096386 = R2-096318, R2-097461, C1-095744 = R2-100009, R3-093339 = R2-100015, R2-096278 on PLMN confusion during EPS-AKA REL-8 LTE-L23
(S3-092168; to: CT1, SA2, RAN2; cc: CT4, RAN3; contact: Qualcomm) SA3
RAN2 action requested; LS answer drafted?

R2-100033 Reply LS to R2-097508 on key invalidation following SR-VCC failure REL-8 LTE-L23
(S3-092193; to: RAN2; cc: CT4; contact: Nokia) SA3
RAN2 action requested; LS answer drafted?

Other:

R2-100020 LS Response to R5-096343 = R2-096322 on DCCH TTI and Cell Timing Change Requirements REL-8 LTE-L23
(R4-095029; to: RAN5, RAN2; cc: -; contact: Ericsson) RAN4
RAN2 action requested; LS answer drafted?

R2-100021 Reply LS to R1-084707, R1-094415 = R2-096309 on Support for wider bandwidths in LTE-Advanced REL-9 FS_RAN_LTEA
(R4-095035; to: RAN1; cc: RAN2; contact: NTT DOCOMO) RAN4
note: R1-084707 was not sent to RAN2; no RAN2 action requested; no LS answer?

R2-100025 Reply LS to C1-093961 = R2-095407, R2-097493 on SSAC REL-9 SSAC
(S1-094339; to: CT1, RAN2; cc: -; contact: NTT DOCOMO) SA1
SSAC: Service Specific Access Control; no explicit RAN2 action requested; no LS answer?

3.3 UMTS relevance

R2-100038 LS Response to R2-096295 on the capability of search on the secondary carrier REL-9
 RANimp-MultiBand_DC_HSDPA
 (R4-094996; to: RAN2; cc: RAN3; contact: Qualcomm) RAN4
 no explicit RAN2 action requested; no LS answer?

4 UMTS/LTE joint session

Contributions submitted under this agenda item will be handled in a joint UMTS/LTE session. Documents should focus on Stage-2 aspects common for both UTRA and E-UTRA.

4.1 Release 8

R2-100089	Clarification on Intra-Domain NAS Node Selector-REL8	Vodafone	CR	25.331
	F REL-8 TEI8			
R2-100090	Clarification on Intra-Domain NAS Node Selector-REL9	Vodafone	CR	25.331
	A REL-9 TEI8			
R2-100166	Security issue raised by PLMN changing	Huawei Disc	REL-8	LTE-L23
R2-100403	Inheritance of the dedicated priorities for cell reselection	Infineon Technologies	Disc	
	merges 25.304, 25.331, 36.304, 36.331 changes in one Tdoc			REL-8 LTE-L23

4.2 Release 9

4.2.1 Home-(e)NB (RP-091392)

(EHNb-RAN2, leading WG: RAN2, started: March 09, target: March 10, WIDS: RP-091392)

Contributions related to Rel-9 home-(e)NB topics like inbound mobility, hybrid cells or enhanced manual selection/cell reselection.

R2-100327	Proximity indication handling for handover	ZTE	Disc	
R2-100400	Handling of proximity indications after handover and reestablishment			Alcatel-Lucent Disc
R2-100439	Control of Proximity Indication	LG Electronics Inc.	Disc	
R2-100448	Radio quality degradation during SI acquisition	LG Electronics Inc.	Disc	
R2-100450	CR capturing HeNB inbound mobility agreements	Motorola, Qualcomm, NTT DoCoMo	CR	
	36.300 F REL-9 EHNb-RAN2			
R2-100514	Proximity indication forwarding at handover	NTT DOCOMO	Disc	
R2-100515	Prohibit timer for proximity indication	NTT DOCOMO	Disc	
R2-100517	Cell identity reporting in proximity indication	NTT DOCOMO	Disc	
R2-100532	CSG identity reporting in inbound handover	NTT DOCOMO, Inc.	Disc	
R2-100535	Remaining issues in the proximity report procedure	Samsung	Disc	
R2-100546	Autonomous HeNB reporting	Nokia Corporation, Nokia Siemens Networks	Disc	
R2-100270	Discussion on UTRA UE inbound mobility capability signalling	Huawei	Disc	

4.2.2 Other

=> Including contributions related to the optionality/mandatory feature handling (result of RP-091452)

R2-100464	Optionality of Rel-9 UE features	NTT DOCOMO, INC.	Disc	REL-9 TEI9, LTE-L23
R2-100465	CR to 36.306 on Optionality of Rel-9 UE features	NTT DOCOMO, INC.	CR	36.306
	B REL-9 TEI9, LTE-L23			
R2-100467	CR to 36.331 on Optionality of Rel-9 UE features	NTT DOCOMO, INC.	CR	36.331
	B REL-9 TEI9, LTE-L23			
R2-100520	Cell reselection enhancements for Rel-9	NTT DOCOMO	Disc	REL-9 TEI9, LTE-L23

4.3 Release 10

4.3.1 Minimisation of Drive Test (RP-091423)

(MDT_UMTSLTE-Core, leading WG: RAN2, started: Dec. 09, target: Dec. 10, WIDS: RP-091423)

R2-100073	Scope of MDT on coverage optimization	CATT	Disc	
R2-100074	Consideration on Priority of MDT Report	CATT	Disc	
R2-100170	Real Time Reporting for Coverage Optimization in UTRAN	Huawei	Disc	
R2-100171	Use Case of Coverage Optimization	Huawei	Disc	
R2-100172	Real Time Reporting for Coverage Optimization in E-UTRAN		Huawei	Disc
R2-100239	MDT Measurement Model Orange		Disc	
R2-100246	Time stamp with CP architecture	Nokia Corporation, Nokia Siemens Networks		Disc
R2-100247	MDT: A2 triggered measurement	Nokia Corporation, Nokia Siemens Networks		Disc
R2-100261	Triggering of Reporting of MDT Measurements	Motorola	Disc	
R2-100262	Configuration of UE measurements for MDT in idle mode	Motorola		Disc
R2-100282	Triggers for measurement log reporting	NEC	Disc	
R2-100453	Drive testing and HeNBs	Motorola	Disc	
R2-100456	UE battery status transmission	HTC Corporation		Disc
R2-100469	MDT Stage 3	NTT DOCOMO	Disc	
R2-100542	MDT: A2 triggered measurement	Nokia Corporation, Nokia Siemens Networks		Disc
R2-100544	MDT: Timestamp handling with CP architecture	Nokia Corporation, Nokia Siemens Networks		Disc
	Both withdrawn			

4.3.2 Machine type communications (SI: RP-090991)

(FS_NIMTC-RAN, leading WG: RAN2, started: Sep.09, target: June 10, SIDS: RP-090991)

R2-100093	RAN consideration on Machine Type Communication	LG Electronics Inc.		Disc
R2-100179	Discussion on MTC device functionality	CATT	Disc	
R2-100181	Consideration on MTC features	CATT	Disc	
R2-100182	Access control of MTC devices	CATT	Disc	
R2-100192	Prioritization of the M2M use cases	Ericsson, ST-Ericsson		Disc
R2-100202	Kickoff for Machine Type Communications Study Item	Huawei	Disc	
R2-100203	Skeleton TR for MTC SI	Huawei TR xx.xxx		
R2-100204	Traffic model for M2M service	Huawei	Disc	
R2-100275	Consideration on MTC Device type classification	ETRI		Disc
R2-100287	Discussion on key issues in RAN2 for MTC	Alcatel-Lucent Shanghai Bell, Alcatel-Lucent		Disc
R2-100331	Introduction of longer SFN length for MTC	Samsung		Disc
R2-100383	MTC features, RAN enhancements and related procedures	CMCC		Disc
R2-100412	RAN Impacts of machine-type communications for UTRA and EUTRA	Fujitsu		Disc
R2-100537	RAN Enhancements for Machine-type Communication	Samsung		Disc

4.3.3 Other

5 LTE Release 8

(RAN2 WI: LTE-L23, REL-8, closed: Dec. 2008)

5.1 Stage-2 (36.300)

Also issues with joint relevance for Control Plane and User plane should be submitted under this agenda item.

5.2 eNB measurements (36.314)

5.3 MAC (36.321)

5.4 RLC (36.322)

5.5 PDCP (36.323)

5.6 UE capabilities (36.306)

5.7 Model of the physical layer (36.302)

5.8 RRC (36.331)

R2-100113	Aligning the number of neighbor cells in SIB8 between Rel-8 and Rel-9	Ericsson, ST-Ericsson
	CR 36.331 F REL-8 LTE-L23	
R2-100141	Clarification on inter-frequency/ RAT measurments in DRx Panasonic	CR 36.331
	F REL-8 LTE-L23	
R2-100142	Clarification on inter-frequency/ RAT measurments in DRx Panasonic	CR 36.331
	A REL-9 LTE-L23	
	withdrawn	

5.9 Cell selection & re-selection (36.304)

R2-100418	CR 36304 R8 Inter-RAT Manual CSG ID selection Qualcomm Incorporated	CR 36.304
	F REL-8 LTE-L23	
R2-100419	CR 36304 R9 Inter-RAT Manual CSG ID selection Qualcomm Incorporated	CR 36.304
	A REL-9 TEI9, LTE-L23	
R2-100426	Inter-RAT Manual CSG ID selection Qualcomm Incorporated	Disc REL-8 LTE-L23

6 LTE Release 9

6.1 Positioning Support for LTE

(LCS_LTE, leading WG: RAN2, started: Dec. 08, target: March 10, WIDS: RP-091389)

6.1.1 Stage-2 (TS 36.305)

R2-100299	Clarification on positioning procedure 36.305 F REL-9 LCS_LTE	Huawei, Qualcomm Incorporated	CR	
R2-100302	Clarification on E-CID parameters REL-9 LCS_LTE	Huawei, CATT, Qualcomm Incorporated	CR	36.305 F
R2-100402	Stage 2 updates to align with stage 3 REL-9 LCS_LTE	Ericsson, ST-Ericsson	CR	36.305 F
R2-100466	LPP Location Information Transfer for the MO-LR case Corporation CR 36.305 F	Nokia Siemens Networks, Nokia		
R2-100503	Updates to LPP material in stage 2 REL-9 LCS_LTE	Qualcomm Incorporated	CR	36.305 F
R2-100512	Inclusion of timing advance from UE for E-CID positioning 9 LCS_LTE withdrawn	Qualcomm Incorporated	Disc	REL-
R2-100513	Introduction of TA reporting for E-CID in LPP stage 2 36.305 B withdrawn	Qualcomm Incorporated	CR	

6.1.2 LPP stage-3 (TS 36.355)

=> Including output reporting of email discussion [68#21] LTE : Potential SFN timestamping issue in LPP [CSR]

R2-100045	E-mail discussion [68#21] LTE : Potential SFN timestamping issue in LPP related to email discussion [68#21]	REL-9 LCS_LTE	CSR	Report
R2-100046	LCS for LTE: Corrections for UE Assisted LPP measurements	CSR	Disc	
R2-100047	Correction to GNSSTOD in UE Assisted GNSS Measurement report 36.355 ? REL-9 LCS_LTE		CSR	CR
R2-100048	Clarification of Network time validity in GNSS Assistance ? REL-9 LCS_LTE	CSR	CR	36.355
R2-100049	UE timing measurement for UE assisted hybrid reporting ? REL-9 LCS_LTE	CSR	CR	36.355
R2-100050	Addition of SFN to GNSS assistance data request REL-9 LCS_LTE withdrawn	CSR	CR	36.355 ?
R2-100051	Timing clarification for hybrid UE-assisted measurement report ? REL-9 LCS_LTE withdrawn	CSR	CR	36.355
R2-100052	UE neighbour cell frame number in OTDOA measurements ? REL-9 LCS_LTE	CSR	CR	36.355
R2-100112	Alignment to RAN4 decisions in ASN.1 updates in 36.355 36.355 F REL-9 LCS_LTE	Ericsson, ST-Ericsson	CR	
R2-100197	Need for Reliability in LPP Samsung	Disc		
R2-100198	Serving Cell Change Indication to E-SMLC Samsung	Disc		
R2-100291	Discussion on UE Rx-Tx time difference reporting capability	CATT	Disc	
R2-100292	Clarification on UE Rx-Tx time difference supporting capability F REL-9 LCS_LTE	CATT	CR	36.355
R2-100293	Introduction of UE Rx-Tx time difference supporting capability for RRC 36.355 F REL-9 LCS_LTE		CATT	CR
R2-100457	Clarification on Position location REL-9 LCS_LTE	HTC Corporation	CR	36.355 ?
R2-100468	LPP ASN.1 corrections F REL-9 LCS_LTE	Nokia Siemens Networks, Nokia Corporation	CR	36.355
R2-100471	Correction to References in LPP specification CR 36.355 D REL-9 LCS_LTE	Nokia Siemens Networks, Nokia Corporation		
R2-100475	GNSS Reference Time C REL-9 LCS_LTE	Nokia Siemens Networks, Nokia Corporation	CR	36.355

R2-100504	LPP Transaction ID Management	Qualcomm Incorporated	Disc		
R2-100505	LPP Reliable Transport	Qualcomm Incorporated	Disc		
R2-100506	Addition of LPP reliable transport	Qualcomm Incorporated	CR	36.355	B
	REL-9 LCS_LTE				
R2-100508	Removal of FFS items in TS 36.355	Qualcomm Incorporated	Disc		
R2-100509	Completion of LPP common material	Qualcomm Incorporated	CR	36.355	
	B REL-9 LCS_LTE				
R2-100510	Triggered Location Information Transfer due to Cell Change	Qualcomm Incorporated	CR		
	36.355 B REL-9 LCS_LTE				
R2-100511	Completion of OTDOA in LPP	Qualcomm Incorporated	CR	36.355	B
	REL-9 LCS_LTE				
R2-100516	Introduction of TA reporting for E-CID in LPP stage 3	Qualcomm Incorporated	CR		
	36.355 B REL-9 LCS_LTE				
	withdrawn				
R2-100527	On requirement and provisioning of reliable LPP transmission	NTT DOCOMO	Disc		

6.2 Support for IMS Emergency Calls over LTE (RP-081140)

(IMS_EMER_LTE, leading WG: RAN2, started: Dec. 08; closed: Sep. 09, WIDS: RP-081140)

R2-100307	K_ASME mismatch at IMS emergency call establishment	NEC	Disc		
R2-100385	SIM based access for Emergency calls in LTE	Alcatel-Lucent	CR	36.300	
	F REL-9 IMS_EMER_LTE				
R2-100386	Discussion on use of Emergency cause value for TAU	Alcatel-Lucent	Disc		

6.3 MBMS over LTE (RP-091457)

(MBMS_LTE, leading WG: RAN2, started: March 09; target: March 10, WIDS: RP-091457)

6.3.1 Stage-2

R2-100068	Corrections to TS 36.300 on MBMS	Huawei	CR	36.300	F
	REL-9 MBMS_LTE				
R2-100115	Terminology regarding MBMS scheduling	Ericsson, ST-Ericsson	Disc		
R2-100116	Correction to MBMS scheduling terminology	Ericsson, ST-Ericsson	CR	36.300	
	F REL-9 MBMS_LTE				
R2-100117	Correction to MBMS scheduling terminology	Ericsson, ST-Ericsson	CR	36.321	
	F REL-9 MBMS_LTE				
R2-100118	Correction to MBMS scheduling terminology	Ericsson, ST-Ericsson	CR	36.331	
	F REL-9 MBMS_LTE				
R2-100121	MBMS activity bit for unicast mobility	Ericsson, ST-Ericsson	Disc		
R2-100211	Uncaptured agreements on muting the DSI	Nokia Corporation, Nokia Siemens Networks			
	Disc				
R2-100214	Corrections on eNB muting MBSFN transmission	Nokia Corporation, Nokia Siemens Networks			
	CR 36.300 F REL-9 MBMS_LTE				
R2-100251	Proposed CR to 36.300 on Enabling MBMS operation in HeNB	LG Electronics Inc.	CR		
	36.300 F REL-9 MBMS_LTE				
R2-100358	Correction regarding support of multiple MBSFN areas	Samsung	CR	36.331	
	F REL-9 MBMS_LTE				

6.3.2 Control Plane

R2-100066	Position of MCCH notifications	Huawei	Disc		
R2-100067	Position of MCCH notifications	Huawei	CR	36.331	F
	8 MBMS_LTE				REL-
R2-100071	mbsfn-AreaId Value range	Huawei	Disc		

R2-100098	CR to 36.331 on corrections for MBMS REL-9 MBMS_LTE	ASUSTeK	CR	36.331		F
R2-100099	Clarification on MCCH information acquisition procedure F REL-9 MBMS_LTE	ASUSTeK	CR	36.331		
R2-100119	Notification occasion signaling for MBMS	Ericsson, ST-Ericsson	Disc			
R2-100120	Notification occasion signaling for MBMS F REL-9 MBMS_LTE	Ericsson, ST-Ericsson	CR	36.331		
R2-100216	Finalizing the open value ranges in SIB13	Nokia Corporation, Nokia Siemens Networks	Disc			
R2-100217	Specification of remaining value ranges in SIB13 CR 36.331 C REL-9 MBMS_LTE	Nokia Corporation, Nokia Siemens Networks				
R2-100221	Specifying the exact mapping of notificationIndicator in SIB13 to PDCCH bits Corporation, Nokia Siemens Networks CR 36.331				Nokia F	REL-
R2-100252	Proposed CR to 36.304 on Addition of missing abbreviations related with MBMS Electronics Inc. CR 36.304 F REL-9 MBMS_LTE				LG	
R2-100253	Proposed CR to 36.331 on missing MBMS UE actions 36.331 F REL-9 MBMS_LTE	LG Electronics Inc.	CR			
R2-100318	Missing agreement in MCCH change notification. REL-9 MBMS_LTE	ZTE	CR	36.331		B
R2-100319	Implicit Signalling for MBMS Notification Occasion	ZTE	Disc			
R2-100320	CR for implicit Signalling of MBMS Notification Occasion F REL-9 MBMS_LTE	ZTE	CR	36.331		
R2-100321	Clarification on MBMS notification	ZTE	Disc			
R2-100322	CR for clarification on MBMS notification REL-9 MBMS_LTE	ZTE	CR	36.331		F
R2-100323	Further clarification on MCCH information acquisition by the UE	ZTE	Disc			
R2-100324	CR for future clarification on MCCH information acquisition by the UE 36.331 F REL-9 MBMS_LTE				ZTE CR	
R2-100325	CR for correction on MSAP-OccasionPeriod REL-9 MBMS_LTE	ZTE	CR	36.331		F
R2-100362	MBMS clarifications on notification and on MBMS allocation patterns				Samsung	Disc
R2-100381	Clarification on MCCH change notification REL-9 MBMS_LTE	CMCC	CR	36.331	F	
R2-100382	Value range of notification related parameters in SIB13	CMCC	Disc			
R2-100558	MCCH Information Change Notification	Motorola	Disc			
R2-100559	MCCH Information Change Notification F REL-9 MBMS_LTE	CR Motorola	CR	36.331		

6.3.3 User Plane

R2-100069	Corrections to TS 36.321 on MBMS REL-9 MBMS_LTE	Huawei	CR	36.321		F
R2-100070	CR to TS36.306 on MBMS 9 MBMS_LTE	Huawei	CR	36.306	F	REL-
R2-100101	CR to 36.321 on error handling for MBMS REL-9 MBMS_LTE	ASUSTeK	CR	36.321		F
R2-100274	Correction to 36.321 on MAC header description REL-9 MBMS_LTE	ETRI	CR	36.321		F

6.4 Home-eNB enhancements (RP-091392)

(EHNB-RAN2, leading WG: RAN2, started: March 09, target: March 10, WIDS: RP-091392)

Covering LTE specific stage-2 aspects and LTE stage-3 aspects. Common UMTS/LTE aspects should be discussed under 4.2.1

R2-100100	Consideration of inbound handover with ANR function	CATT	Disc			
R2-100102	Discussion on scope of proximity indication	CATT, ITRI	Disc			
R2-100111	Clarification on proximity indication	HTC Corporation	Disc			
R2-100235	Handling of information related to proximity indication during and after handover Disc				Panasonic	

R2-100268	Discussion on remaining open issues in LTE inbound mobility	Huawei	Disc			
R2-100269	36331_CRxxx_(REL_9)_CR on remaining open issues in LTE inbound mobility	Huawei	CR			
	36.331 B REL-9 EHNB-RAN2					
R2-100376	Clarification on proximity indication in handover and RRC connection re-establishment	HTC Corporation	CR	36.331	F	REL-9 EHNB-RAN2
R2-100380	Clarification on proximity indication configuraiton in handover to E-UTRA	HTC Corporation	CR	36.331	F	REL-9 EHNB-RAN2
R2-100401	Proximity Indication after handover and re-establishment	Alcatel-Lucent	CR	36.331	F	REL-9 EHNB-RAN2
R2-100416	Unifying SI reading for ANR and inbound mobility	Qualcomm Incorporated	Disc			
R2-100417	CR 36.331 R9 for Unifying SI reading for ANR and inbound mobility	Qualcomm Incorporated	CR	36.331	F	REL-9 EHNB-RAN2
R2-100454	Clarification on the use of autonomous search for proximity detection	HTC Corporation	CR	36.331	?	REL-9 EHNB-RAN2
R2-100455	Renaming automated searching	HTC Corporation	CR	36.300		?
	REL-9 EHNB-RAN2					
R2-100530	CR to 36.331 on CSG identity reporting	NTT DOCOMO	CR	36.331		F
	REL-9 EHNB-RAN2					

6.5 Public Warning System (PWS) (RP-090649)

(PWS-RAN, leading WG: RAN2, started: June 09, closed: Dec. 09, WIDS: RP-090649)

6.6 Vocoder Adaptation (RP-090978)

(LTEimp-Vocoder, leading WG: RAN2, started: June 09, closed: Sep. 09, WIDS: RP-090978)

6.7 Network-Based Positioning Support in LTE (RP-090354)

(LCS_LTE-NBPS, leading WG: RAN2, started: March 09, target: March 10, WIDS: RP-090354)

R2-100103	Definitions and Support for U-TDOA Method.	TruePosition	Disc	REL-9	LCS_LTE-NBPS	
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6.8 TEI9

Note: Better use "TEI9, LTE-L23" as WI code instead of "TEI9" alone for REL-9 enhancement CRs of LTE-L23. Otherwise UTRA and LTE CRs are difficult to distinguish.

*Note that the Technical Enhancements WI is only intended for **small enhancements**. Larger changes/enhancements should have a WI of their own*

6.8.1 Common UP/CP issues

=> Including output reporting of email discussion [68#22] LTE: "Later release functionality" handling at inter-eNB mobility [ALU]

R2-100392	Report of email discussion on Later release functionality handling at inter-eNB mobility	Alcatel-Lucent (Rapporteur)	Report			related to email discussion [68#22]
			REL-9	TEI9, LTE-L23		
R2-100200	Comparison of solutions for HO to legacy eNBs	Ericsson, ST-Ericsson	Disc			
			REL-9	TEI9, LTE-L23		
R2-100201	Protocol release indicator in HO command	Ericsson, ST-Ericsson	CR	36.331		
	B		REL-9	TEI9, LTE-L23		
R2-100294	Delta signalling across eNBs of different RRC protocol release	Nokia Siemens Networks, Nokia Corporation	Disc			
			REL-9	TEI9, LTE-L23		

R2-100314	Discussion on SIB transport block size	ZTE	Disc		
	REL-9 TEI9, LTE-L23				
R2-100391	Pseudo CR for Full configuration solution for eNB release handling	Alcatel-Lucent	CR		
	36.331 ? REL-9 TEI9, LTE-L23				
R2-100428	Remove FFSs from RAN2 specifications	Ericsson, ST-Ericsson	CR	36.300	
	F REL-9 TEI9, LTE-L23				
R2-100518	Resolving state mismatch at reestablishment	NTT DOCOMO	Disc		
	REL-9 TEI9, LTE-L23				
R2-100519	CR to 36.331 on Resolving state mismatch at reestablishment	NTT DOCOMO	CR		
	36.331 F REL-9 TEI9, LTE-L23				

6.8.2 Control plane related

=> Including contributions resulting from the ASN.1 review

R2-100575	Specific corrections from REL-9 ASN.1 review	Rapporteur (Samsung)	CR	36.331	
	F REL-9 TEI9, LTE-L23				

SSAC:

R2-100525	Resolving open issues of SSAC	NTT DOCOMO	Disc		
	REL-9 SSAC				
R2-100526	CR to 36.331 on Service Specific Acces Control (SSAC)	NTT DOCOMO	CR	36.331	
	B REL-9 SSAC				

Others:

R2-100091	Introduction of power-limited device indication in UE capability.	Vodafone, Deutsche Telekom			
	CR 36.306 B REL-9 TEI9, LTE-L23				
R2-100092	Introduction of power-limited device indication in UE capability.	Vodafone, Deutsche Telekom			
	CR 36.331 B REL-9 TEI9, LTE-L23				
R2-100114	CR to 36.331 for 1xRTT pre-registration information in SIB8	KDDI, NEC, Hitachi, Motorola, Kyocera	CR	36.331	
	SIB8. REL-9 TEI9, LTE-L23				
R2-100143	Clarification of CGI reporting	Panasonic	Disc		
	REL-9 TEI9, LTE-L23				
R2-100144	Clarification of CGI reporting	Panasonic	CR	36.331	F
	REL-9 TEI9, LTE-L23				
R2-100168	Miscellaneous correction on 36.304	Huawei	CR	36.304	D
	REL-9 TEI9, LTE-L23				
R2-100180	Handling of dedicated priority without cell reselection parameters	Qualcomm Incorporated	CR		
	36.304 F REL-9 TEI9, LTE-L23				
R2-100183	Correction of UE capability transfer for CDMA2000 CATT		CR	36.331	F
	REL-9 TEI9, LTE-L23				
R2-100229	Clarification on DRX StartOffset for TDD	ASUSTeK	CR	36.331	F
	REL-9 TEI9, LTE-L23				
R2-100260	Corrections to SIB8	Motorola	CR	36.331	F
	9 TEI9, LTE-L23				REL-
R2-100304	Clarification on measurement for serving cell only	Huawei	CR	36.331	F
	REL-9 TEI9, LTE-L23				
R2-100315	Correction on ICIC measurement report	ZTE	Disc		
	REL-9 TEI9, LTE-L23				
R2-100316	CR_(Rel-9)-correction on ICIC measurement report	ZTE	CR	36.331	
	F REL-9 TEI9, LTE-L23				
R2-100363	REL-9 PDU specification – Review issue list	Rapporteur (Samsung)	Report	36.331	
	REL-9 TEI9, LTE-L23				
R2-100366	Miscellaneous correction from REL-9 ASN.1 review	Rapporteur (Samsung)	CR		
	36.331 F REL-9 TEI9, LTE-L23				
R2-100377	Clarification on RRC connection re-establishment for emergency calls	HTC Corporation			
	Disc REL-9 TEI9, LTE-L23				
R2-100378	Clarification on RRC connection re-establishment for emergency calls	HTC Corporation			
	CR 36.331 F REL-9 TEI9, LTE-L23				

R2-100379	Clarification on RRC connection re-establishment for emergency calls	HTC Corporation				
	CR 36.331 F REL-9 TEI9, LTE-L23					
R2-100389	Introduction of GERAN cell reporting without BSIC verification	Ericsson, ST-Ericsson	CR			
	36.331 F REL-9 TEI9, LTE-L23					
R2-100390	Introduction of GERAN cell reporting without BSIC verification	Ericsson, ST-Ericsson	Disc			
	REL-9 TEI9, LTE-L23					
R2-100420	Common start time for TDD HeNB synchronization using GNSS	Qualcomm Incorporated	Disc			
	REL-9 TEI9, LTE-L23					
R2-100444	Correction for Proximity indication suppress timer	LG Electronics Inc.	CR	36.331		
	F REL-9 TEI9, LTE-L23					
R2-100446	Correction on reselection from non-CSG cell to CSG inter-RAT cell	LG Electronics Inc.	CR			
	36.304 F REL-9 TEI9, LTE-L23					
R2-100459	The methods to control load balance in LTE system	HTC Corporation	Disc			
	REL-9 TEI9, LTE-L23					
R2-100460	The methods to control load balance in LTE system (Proposal 1)	HTC Corporation	CR			
	36.331 ? REL-9 TEI9, LTE-L23					
R2-100461	Clarifications on Access Barring	HTC Corporation	Disc			
	REL-9 TEI9, LTE-L23					
R2-100462	Clarifications on Access Barring (Proposal 1)	HTC Corporation	CR	36.331		
	? REL-9 TEI9, LTE-L23					
R2-100463	Clarifications on Access Barring (Proposal 2)	HTC Corporation	CR	36.331		
	? REL-9 TEI9, LTE-L23					
R2-100478	Clarification on radio resource configuration in handover to E-UTRA procedure	ASUSTeK				
	CR 36.331 F REL-9 TEI9, LTE-L23					
R2-100479	Clarification on configuration of RLF timers and constants in handover to E-UTRA procedure	ASUSTeK	CR	36.331		
	ASUSTeK CR 36.331 F REL-9 TEI9, LTE-L23					
R2-100480	Clarification on UE maximum transmission power	ASUSTeK	CR	36.331		
	F REL-9 TEI9, LTE-L23					
R2-100487	Correction for Security key derivation	Huawei	CR	36.331	F	
	REL-9 TEI9, LTE-L23					
R2-100502	UE capability for enhanced 1xRTT CS fallback	Huawei	CR	36.306		B
	REL-9 TEI9, LTE-L23					
R2-100521	CR to 36.304 on Cell reselection enhancements	NTT DOCOMO	CR	36.304		
	B REL-9 TEI9, LTE-L23					
R2-100522	CR to 36.331 on Cell reselection enhancements	NTT DOCOMO	CR	36.331		
	B REL-9 TEI9, LTE-L23					
R2-100528	Redirection enhancements to UTRAN	NTT DOCOMO	Disc			
	REL-9 TEI9, LTE-L23					
R2-100529	CR to 36.331 on Redirection enhancements to UTRAN	NTT DOCOMO	CR	36.331		
	B REL-9 TEI9, LTE-L23					
R2-100554	Correction to field descriptions of UE-EUTRA-Capability	HTC Corporation	CR			
	36.331 F REL-9 TEI9, LTE-L23					

6.8.3 User plane related

R2-100223	Aligning the treatment of RLC state variables and counters	Nokia Corporation, Nokia Siemens Networks	CR	36.322	F	REL-9 TEI9, LTE-L23
R2-100224	Interaction between BSR and SR (Discussion)	ASUSTeK	Disc			
	REL-9 TEI9, LTE-L23					
R2-100225	Interaction between BSR and SR	ASUSTeK	CR	36.321	F	
	REL-9 TEI9, LTE-L23					
R2-100226	DRX retransmission missing for TDD (Discussion)	ASUSTeK	Disc			
	REL-9 TEI9, LTE-L23					
R2-100227	DRX retransmission missing for TDD	ASUSTeK	CR	36.321	F	
	REL-9 TEI9, LTE-L23					
R2-100228	Minor corrections to MAC	ASUSTeK	CR	36.321	F	REL-
	9 TEI9, LTE-L23					
R2-100230	Correction to RLC entity	ASUSTeK	CR	36.322	F	REL-
	9 TEI9, LTE-L23					

R2-100288	DRX Operation with SR Prohibit Timer REL-9 TEI9, LTE-L23	VIA Telecom	Disc		
R2-100289	CR to 36.321 for DRX Operation with SR Prohibit Timer C REL-9 TEI9, LTE-L23	VIA Telecom	CR	36.321	
R2-100290	CR to 36.331 for DRX Operation with SR Prohibit Timer C REL-9 TEI9, LTE-L23	VIA Telecom	CR	36.331	

6.9 LTE-A (SI: RP-091360)

(FS_RAN_LTEA, leading WG: RAN1, started: June 08, target: March 10, WIDS: RP-091360)

6.9.1 Text proposals for 36.912, collected/coord by LTE rapporteur (NSN)

6.9.2 Evaluation of potential enhancements related to areas indicated as RAN2 responsibility according to RP-090288

6.9.3 Relays

6.9.3.1 Architecture aspects

Not much discussion expected in RAN2#68bis given the way forward agreed in RP-090958. Might have joined RAN2/3 meeting during RAN2#69.

=> Including output reporting of email discussion [68#25] LTE: Header Compression comparison on Un [NSN]

R2-100303	Email discussion report on [68#25] LTE: Header Compression comparison on Un Siemens Networks Report	Nokia REL-9			
R2-100301	Text Proposal on Header overhead over Un Disc FS_RAN_LTEA	Nokia Siemens Networks, Nokia Corporation related to email discussion [68#25]	REL-9		
R2-100080	Efficiency analysis for various header compression schemes over the Un interface with mixed traffic models FS_RAN_LTEA	Institute for Information Industry (III), Coiler Corporation	Disc	REL-9	
R2-100081	Header compression inside the GTP-U tunnel over the Un interface Information Industry (III), Coiler Corporation	Disc	REL-9	FS_RAN_LTEA	
R2-100082	Header compression considerations for multi-hop scenario Coiler Corporation	Disc	REL-9	FS_RAN_LTEA	
R2-100096	Bearer Mapping in Relay Node	LG Electronics Inc.	Disc	REL-9	FS_RAN_LTEA
R2-100108	Requirement on HO interruption time in RN networks FS_RAN_LTEA	Fujitsu	Disc	REL-9	
R2-100109	Discussions on Un interface structure	Fujitsu	Disc	REL-9	FS_RAN_LTEA
R2-100284	Common radio bearer configuration for Un	NEC	Disc	REL-9	FS_RAN_LTEA
R2-100285	L2 configuration for Un	NEC	Disc	REL-9	FS_RAN_LTEA
R2-100431	Discussion on Relay functionality	LG Electronics Inc.	Disc	REL-9	FS_RAN_LTEA
R2-100432	Header compression issue for Alt A FS_RAN_LTEA	LG Electronics Inc.	Disc	REL-9	
R2-100433	Priority issue for alt 1 and 3	LG Electronics Inc.	Disc	REL-9	FS_RAN_LTEA

6.9.3.2 Lower layer aspects

Consequences on RRC or UP protocols for supporting relays (independent from architecture). Note that HARQ timing issues are expected to be largely handled by RAN1.

R2-100097	DL Flow Control in Un interface	LG Electronics Inc.	Disc		
R2-100134	Why flow control on Un is not needed	Ericsson, ST-Ericsson	Disc		
R2-100167	On the Importance of Introducing STANDBY Mode for Relay Nodes			Sharp	Disc

R2-100169	Importance of Backhaul in a Relay Handover	Sharp	Disc
R2-100175	MAC Issues on Un Interface	CATT	Disc
R2-100176	Control Plane for Un interface	CATT	Disc
R2-100177	Discussion on handover performance	CATT	Disc
R2-100296	DL Flow control over Un interface for relaying system	Nokia Siemens Networks, Nokia Corporation	Disc
R2-100298	Discussion on Symmetry and Asymmetry SF Allocation for Backhaul	Nokia Siemens Networks, Nokia Corporation	Disc
R2-100326	States definition for relay node	ZTE	Disc
R2-100384	The startup procedure of relay node	CMCC, CATT	Disc
R2-100398	Header Compression for Relays	Qualcomm Incorporated	Disc
R2-100405	Multiplexing for Un Interface	Fujitsu	Disc
R2-100406	Relay QoS Control	Fujitsu	Disc
R2-100407	RRC for Relay Nodes	Fujitsu	Disc
R2-100409	Serving Cell Selection in a Type 1 Relay Network	Research In Motion UK Limited	Disc
R2-100410	DL HARQ Operation over Un interface	Research In Motion UK Limited	Disc
R2-100411	UL HARQ Operation over Un interface	Research In Motion UK Limited	Disc
R2-100425	Multiplexing on Un for Alt4 Relays	Texas Instruments	Disc
R2-100430	Discussion on Un radio protocol support for S1-AP	Ericsson, ST-Ericsson	Disc
R2-100434	Number of MAC PDU for Un interface	LG Electronics Inc., Texas Instruments	Disc
R2-100436	Identifying ESP bearers over Un in Alt 4	Ericsson, ST-Ericsson	Disc
R2-100488	HARQ operation for relay	Samsung	Disc
R2-100415	DL HARQ Operation over Un interface	Research In Motion UK Limited	Disc
R2-100435	Identifying ESP bearers over Un in Alt 4	Ericsson, ST-Ericsson	Disc
	Both withdrawn		

6.10 Other LTE Rel-9 WIs/SIs

7 LTE Release 10

7.1 Carrier aggregation (RP-091440)

(LTE_CA-Core, leading WG: RAN1, started: Dec. 09, target: Dec. 10, WIDS: RP-091440)

Proposals to capture the current status in 36.300 can be submitted under this agenda item. The LTE-A rapporteur kindly accepted to do an effort in this respect.

R2-100053	Stage 2 Description of Carrier Aggregation	Nokia Siemens Networks (Rapporteur)	CR
	36.300 B	REL-10 LTE_CA-Core	

7.1.1 Multiple timing advance

Do we need to support multiple timing advance in Rel-10 ? If so, what are the implications ?

R2-100057	Multiple TA in CA	CATT	Disc
R2-100110	Multiple Timing Advance Impact on RAN2	Huawei	Disc
R2-100308	Impact analysis of multiple TA	ZTE	Disc
R2-100332	RAN2 Impacts by Multiple Timing Advance	LG Electronics Inc.	Disc
R2-100423	Supporting multiple timing advance groups	Qualcomm Incorporated	Disc
R2-100451	Carrier Aggregation - Access	Motorola	Disc
R2-100472	TA maintenance for CA	NTT DOCOMO	Disc
R2-100531	Carrier aggregation deployment scenarios	NTT DOCOMO	Disc
R2-100560	Time Alignment Timer for different TA	ITRI	Disc

7.1.2 CC management

Issues related to CC management in connected mode. E.g. more details on "special cell", Handover <-> Reconfiguration, do we need to "link" UL and DL CC's e.g. for HARQ feedback ?

R2-100054	Primary Component Carrier	Nokia Siemens Networks, Nokia Corporation	Disc
R2-100058	CC set model	CATT	Disc
R2-100059	Applicability of cross-carrier scheduling	CATT	Disc
R2-100060	Consideration on Component Carrier Index	CATT	Disc
R2-100061	CC management in CA	CATT	Disc
R2-100124	Management of Component Carriers	Ericsson, ST-Ericsson	Disc
R2-100263	Special Cells and Carrier Management/Configuration	Intel Corporation	Disc
R2-100286	Upon removing the special cell	Huawei	Disc
R2-100309	Considerations on special cell	ZTE	Disc
R2-100399	More details on Special cell	Alcatel-Lucent	Disc
R2-100414	Component Carrier Management for Carrier Aggregation	Research In Motion UK Limited	Disc
R2-100437	Reconfiguration in CA	LG Electronics Inc.	Disc
R2-100442	System Information Overhead at CC addition	LG Electronics Inc.	Disc
R2-100447	General issues in CC management	LG Electronics Inc.	Disc
R2-100474	CC management for CA	NTT DOCOMO	Disc
R2-100489	Reusing REL-8 handover procedure for special cell change	Samsung	Disc
R2-100548	UE power saving in CA scenarios	Nokia Corporation, Nokia Siemens Networks	Disc
R2-100557	carrier aggregation considerations	Pantech	Disc
R2-100561	DL/UL CC Linkage Relationship	ITRI	Disc
R2-100573	Discussion on DL/UL CC linkage for Carrier Aggregation	HT mMobile Inc.	Disc
R2-100088	Special vs. non-special cell CC management procedures	InterDigital	Disc
R2-100549	UE power saving in CA scenarios	Nokia Corporation, Nokia Siemens Networks	Disc
R2-100550	UE power saving in CA scenarios	Nokia Corporation, Nokia Siemens Networks	Disc
All 3 Tdocs withdrawn			

7.1.3 Scheduling

E.g. will we have separate carrier activation/deactivation step ? If so how is it signalled (RRC, MAC, L1)(implicit/explicit) ?
=> Including output reporting of email discussion [68#23] LTE: CC activation / deactivation [Ericsson]

R2-100079	Summary of the email discussion [68#23] LTE: CC activation / deactivation	Ericsson, ST-Ericsson	Report
related to email discussion [68#23]			
R2-100055	SPS and Carrier Aggregation	Nokia Siemens Networks, Nokia Corporation	Disc
R2-100094	Need for dynamic CC activation method	LG Electronics Inc.	Disc
R2-100104	Considerations on CC activation and deactivation	Potevio	Disc
R2-100107	Discussions on CC activation / de-activation	Fujitsu	Disc
R2-100148	Explicit carrier activation/deactivation	ETRI	Disc
R2-100173	Discussion on the Delay of Component Carrier Activation	MediaTek	Disc
R2-100231	Scheduling aspects for carrier aggregation	Panasonic	Disc
R2-100233	Need for separate component carrier activation step	Panasonic	Disc
R2-100264	Dynamic Carrier Activation and Deactivation	Intel Corporation	Disc
R2-100280	Analysis on carrier activation and de-activation	New Postcom	Disc
R2-100283	Details on DRX with carrier aggregation	NEC	Disc
R2-100310	CC scheduling in short term after CC is deactivated	ZTE	Disc
R2-100328	Carrier Aggregation Activation/Deactivation	NEC	Disc
R2-100369	UL scheduling with carrier aggregation	Nokia Corporation, Nokia Siemens Networks	Disc
R2-100397	C-RNTI allocation in CA	Alcatel-Lucent Shanghai Bell, Alcatel-Lucent	Disc
R2-100404	Carrier Aggregation Activation/Deactivation	NEC	Disc
withdrawn			
R2-100424	Considerations on Carrier Activation	Qualcomm Incorporated	Disc
R2-100449	Considerations on activation/deactivation of component carrier	Pantech	Disc
R2-100452	Carrier Aggregation - Activation and Measurements	Motorola	Disc

R2-100490	On DL synchronization of deactivated CCs Samsung	Disc
R2-100491	UL CC activation Samsung	Disc
R2-100404	Carrier Aggregation Activation/Deactivation withdrawn	NEC Disc

7.1.4 System Information handling

In RAN2#68 we agreed that at CC addition, the UE is informed with dedicated signalling about the relevant "urgent" SI information. How is the UE informed about relevant SI information at SI change ?

R2-100062	System Information Updating in Carrier Aggregation	CATT	Disc
R2-100105	Changed SI Transmission in Carrier Aggregation	Potevio	Disc
R2-100160	'Urgent System Information' to be configured at CC addition	Huawei	Disc
R2-100254	Handling of PWS on Aggregated Component Carriers	LG Electronics Inc.	Disc
R2-100265	System Information Handling in Carrier Aggregation	Intel Corporation	Disc
R2-100311	System Information Updating for Carrier Aggregation	ZTE	Disc
R2-100333	SI Change Notification	LG Electronics Inc.	Disc
R2-100394	Handling of System Information Change in Connected Mode	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	Disc
R2-100413	System Information Acquisition for Carrier Aggregation	Research In Motion UK Limited	Disc
R2-100422	System information delivery under Carrier Aggregation	Qualcomm Incorporated	Disc
R2-100497	System information update in CA	Huawei	Disc
R2-100536	Remaining Issues in System Information Delivery	Samsung	Disc
R2-100578	System Information Update during Carrier Aggregation	Sony Corporation	Disc REL-10
	LTE_CA-Core		

7.1.5 Measurements in connected mode

e.g. How to adapt the RRC measurement model for CA ?

=> Including output reporting of email discussion [68#24] LTE: Measurements in Carrier Aggregation [ALU]

R2-100395	Summary of email discussion [68#24] LTE: Measurements in Carrier Aggregation	Alcatel-Lucent (Rapporteur)	Report
	related to email discussion [68#24]		
R2-100063	Measurement in CA	CATT	Disc
R2-100106	Considerations on measurement in Carrier Aggregation	Potevio	Disc
R2-100122	Measurements for Carrier Aggregation	Ericsson, ST-Ericsson	Disc
R2-100196	Carrier Aggregation and the s-Measure criterion	Ericsson, ST-Ericsson	Disc
R2-100421	Measurement considerations for Carrier Aggregation	Qualcomm Incorporated	Disc
R2-100445	Issues in Measurement for CA	LG Electronics Inc.	Disc
R2-100552	Measurements in CA scenarios	Nokia Corporation, Nokia Siemens Networks	Disc

7.1.6 RLF

At RAN2#67bis we made some initial agreements, but details are still FFS. E.g. what are the DL / UL criteria that would trigger a re-establishment ?

R2-100064	Consideration on Radio Link Failure in CA	CATT	Disc
R2-100086	RLF Procedures for Carrier Aggregation	InterDigital	Disc
R2-100123	Radio Link Failure for Carrier Aggregation	Ericsson, ST-Ericsson	Disc
R2-100193	Further considerations on RLF in CA	Samsung	Disc
R2-100234	CC Failure and RLF in Carrier Aggregation	Panasonic	Disc
R2-100334	UL RLF	LG Electronics Inc.	Disc
R2-100370	Radio link failure open issues	Nokia Corporation, Nokia Siemens Networks	Disc
R2-100388	RLF handling for CC	Alcatel-Lucent	Disc
R2-100440	DL Radio Link Failure for CA	LG Electronics Inc.	Disc
R2-100498	RLF in CA	Huawei	Disc

7.1.7 Non-accessible carriers

R2-100393	Discussion of Carrier Types	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	Disc
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7.1.8 Other

R2-100072	Reuse of PCI/PSC by component carriers	Sharp Corp.	Disc
R2-100087	RACH Procedures for Carrier Aggregation InterDigital		Disc
R2-100095	Logical Channel Prioritization for Aggregated Carriers	LG Electronics Inc.	Disc
R2-100194	DL carrier ambiguity issue at initial RACH in asymmetric CA	Samsung	Disc
R2-100312	On DL Component Carrier Ambiguity in Initial Random Access Procedure	ZTE	Disc
R2-100329	Mobility and Carrier Aggregation Signaling NEC		Disc
R2-100335	Multiple Uplink Carriers Serving RACH	LG Electronics Inc.	Disc
R2-100336	RACH for Carrier Aggregation	LG Electronics Inc.	Disc
R2-100337	Handover Execution Using Multiple Carriers	LG Electronics Inc.	Disc
R2-100372	RACH and carrier aggregation	Nokia Corporation, Nokia Siemens Networks	Disc
R2-100396	CA impact on logical channel prioritisation	Alcatel-Lucent Shanghai Bell, Alcatel-Lucent	Disc
R2-100408	Mobility and Carrier Aggregation Signaling NEC withdrawn		Disc
R2-100429	Random access with carrier aggregation	Ericsson, ST-Ericsson	Disc
R2-100438	Enhancement of D-SR in CA	LG Electronics Inc.	Disc
R2-100492	REL-10 Logical channel prioritization	Samsung	Disc
R2-100574	Discussion on Scheduling and Priority handling for Carrier Aggregation	HT mMobile Inc.	Disc
R2-100408	Mobility and Carrier Aggregation Signaling NEC withdrawn		Disc

7.2 Latency reduction (RP-091449)

(LTE_LATRED-Core, leading WG: RAN1, started: Dec. 09, target: Dec. 10, WIDS: RP-091449)

R2-100126	Stage 2 description of the contention based uplink	Ericsson, ST-Ericsson	CR	36.300 B
	REL-10 LTE_LATRED-Core			
R2-100056	Latency reduction from idle mode to connected mode	CATT	Disc	
R2-100125	Impacts of contention based uplink in RAN2	Ericsson, ST-Ericsson	Disc	
R2-100174	Discussion on the Retransmission of Contention-Based Transmission			MediaTek, ITRI Disc
R2-100207	Sharing PUCCH-SR	Huawei	Disc	
R2-100215	The handling of contention based uplink transmission	ETRI	Disc	
R2-100313	Discussion on handover performance	ZTE	Disc	
R2-100373	Latency Comparison	Motorola	Disc	
R2-100493	On contention based access	Samsung	Disc	

7.3 Other LTE Rel-10 WIs/SIs

Core part: Relays for LTE:

(LTE_Relay-Core, leading WG: RAN1, started: Dec. 09, target: Dec. 10, WIDS: RP-091434)

R2-100255	Minimum set of features to support relays in Release 10	NTT DOCOMO	Disc
R2-100256	Issues on Un and Uu link configuration during RN start up	NTT DOCOMO	Disc
R2-100257	Access Control for RN start up	NTT DOCOMO	Disc
R2-100258	Consideration on relay node capability	NTT DOCOMO	Disc
R2-100259	System information change notification in relay operation	NTT DOCOMO	Disc
R2-100534	Relay Control Plane	Huawei	Disc

8 UTRA Release 7 and earlier releases

REL-6 EDCH-L23:

R2-100218	Correction to handling of equal priority flows in E-TFC selection	Ericsson, ST-Ericsson	CR
	25.321 F REL-6 EDCH-L23		
R2-100219	Correction to handling of equal priority flows in E-TFC selection	Ericsson, ST-Ericsson	CR
	25.321 A REL-7 EDCH-L23		
R2-100220	Correction to handling of equal priority flows in E-TFC selection	Ericsson, ST-Ericsson	CR
	25.321 A REL-8 EDCH-L23		
R2-100222	Correction to handling of equal priority flows in E-TFC selection	Ericsson, ST-Ericsson	CR
	25.321 A REL-9 EDCH-L23		

REL-7 RANimp-CPC:

R2-100345	Clarification of MAC DTx Cycles operation when an SCCH Order De-activates DTx mode	Qualcomm Incorporated	CR
	25.321 F REL-7 RANimp-CPC		
R2-100346	Clarification of MAC DTx Cycles operation when an SCCH Order De-activates DTx mode	Qualcomm Incorporated	CR
	25.321 A REL-8 RANimp-CPC		
R2-100347	Clarification of MAC DTx Cycles operation when an SCCH Order De-activates DTx mode	Qualcomm Incorporated	CR
	25.321 A REL-9 RANimp-CPC		

REL-7 RANimp-EnhState:

R2-100295	Missing "INVALID CONFIGURATION" in case of a reconfiguration to eFACH	Infineon Technologies	CR
	25.331 F REL-7 RANimp-Enhstate		
R2-100297	Missing "INVALID CONFIGURATION" in case of a reconfiguration to eFACH	Infineon Technologies	CR
	25.331 A REL-8 RANimp-Enhstate		
R2-100300	Missing "INVALID CONFIGURATION" in case of a reconfiguration to eFACH	Infineon Technologies	CR
	25.331 A REL-9 RANimp-Enhstate		
R2-100305	Corrections to HS-DSCH reception in CELL-PCH and CELL-FACH	Infineon Technologies	CR
	25.331 F REL-7 RANimp-Enhstate		
R2-100538	On MAC-ehs reset at Treset expiry	Samsung	Disc
	REL-7 RANimp-Enhstate		
R2-100541	Correction to MAC-ehs reset at Treset expiry	Samsung	CR
	25.321 F REL-7 RANimp-Enhstate		
R2-100543	Correction to MAC-ehs reset at Treset expiry	Samsung	CR
	25.321 A REL-8 RANimp-Enhstate		
R2-100545	Correction to MAC-ehs reset at Treset expiry	Samsung	CR
	25.321 A REL-9 RANimp-Enhstate		
R2-100547	Traffic volume measurement in CELL_PCH state	Samsung	CR
	25.331 F REL-7 RANimp-Enhstate		
R2-100551	Traffic volume measurement in CELL_PCH state	Samsung	CR
	25.331 A REL-8 RANimp-Enhstate		
R2-100553	Traffic volume measurement in CELL_PCH state	Samsung	CR
	25.331 A REL-9 RANimp-Enhstate		

REL-7 MIMO-L23:

R2-100351	Indication of MIMO codebook restriction	Qualcomm Incorporated	CR
	25.331 C REL-7 MIMO-L23		
R2-100352	Indication of MIMO codebook restriction	Qualcomm Incorporated	CR
	25.331 A REL-8 MIMO-L23		
R2-100353	Indication of MIMO codebook restriction	Qualcomm Incorporated	CR
	25.331 A REL-9 MIMO-L23		

REL-7 RANimp-16QamUplink:

R2-100127	Clarification on the report of E-DCH physical layer category extension	Huawei	CR
	25.331 F REL-7 RANimp-16QamUplink		
R2-100128	Clarification on the report of E-DCH physical layer category extension	Huawei	CR
	25.331 A REL-8 RANimp-16QamUplink		

REL-4 TEI4:
REL-5 HSDPA-L23:
REL-6 TEI6:
REL-7 LCRTDD-EDCH-L23:
REL-7 RANImp-L2DataRates:
REL-7 RANImp-EnhState:
REL-7 TEI7:

9 UTRA Release 8

9.1 Improved L2 for uplink

(RAN2 WI, RANImp-UplinkL2dataRates, closed June 08)

R2-100350	RLC recovery with uplink POLL_SUFI F	Qualcomm Incorporated REL-8 RANImp-UplinkL2dataRates	CR	25.322
R2-100470	Clarification on partially radio aware method F	LG Electronics Inc. REL-8 RANImp-UplinkL2dataRates	CR	25.322
R2-100473	Clarification on partially radio aware method A	LG Electronics Inc. REL-9 RANImp-UplinkL2dataRates	CR	25.322
R2-100476	MAC segmentation after HARQ delivery failure F	LG Electronics Inc. REL-8 RANImp-UplinkL2dataRates	CR	25.321
R2-100477	MAC segmentation after HARQ delivery failure A	LG Electronics Inc. REL-9 RANImp-UplinkL2dataRates	CR	25.321

9.2 CS voice service over HSPA

(RAN2 WI, RInImp8-CsHspa, closed March 08)

R2-100209	Inconsistency in expectation of received IEs with simultaneous SRNS relocation and CS transport channel type switch 8 RInImp8-CsHspa	Alcatel-Lucent	CR	25.331	F	REL-
R2-100210	Inconsistency in expectation of received IEs with simultaneous SRNS relocation and CS transport channel type switch 9 RInImp8-CsHspa	Alcatel-Lucent	CR	25.331	A	REL-

9.3 Enhanced Uplink for CELL_FACH State in FDD

(RAN2 WI, RANImp-UplinkEnhState, closed Dec. 08)

R2-100075	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corporation, Nokia Siemens Networks 8 RANImp-UplinkEnhState	CR	25.319	D	Nokia	REL-
R2-100076	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corporation, Nokia Siemens Networks 9 RANImp-UplinkEnhState	CR	25.319	A	Nokia	REL-
R2-100077	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corporation, Nokia Siemens Networks 8 RANImp-UplinkEnhState	CR	25.321	D	Nokia	REL-
R2-100078	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corporation, Nokia Siemens Networks 9 RANImp-UplinkEnhState	CR	25.321	A	Nokia	REL-
R2-100083	Correction of RNTIs handling for Enhanced Uplink in CELL_FACH Siemens Networks	CR	25.331	F	Nokia Corporation, Nokia	REL-8 RANImp-UplinkEnhState

R2-100084	Correction of RNTIs handling for Enhanced Uplink in CELL_FACH	Nokia Corporation, Nokia Siemens Networks	CR	25.331	A	REL-9	RANImp-UplinkEnhState
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9.4 Enhanced CELL_FACH state in 1.28 Mcps TDD

(RAN2 WI, RANImp-EnhState1.28TDD, closed Dec. 08)

R2-100149	Clarification on Scheduling Information reporting for 1.28 Mcps TDD	CATT, New Postcom, Potevio, TD Tech, ZTE	CR	25.321	F	REL-8	RANImp-EnhState1.28TDD
R2-100150	Clarification on Scheduling Information reporting for 1.28 Mcps TDD	CATT, New Postcom, Potevio, TD Tech, ZTE	CR	25.321	A	REL-9	RANImp-EnhState1.28TDD
R2-100354	Removal of FFSS about the support of E-FACH for 1.28Mcps TDD	ZTE	CR	25.308			
	F					REL-8	RANImp-EnhState1.28TDD
R2-100355	Removal of FFSS about the support of E-FACH for 1.28Mcps TDD	ZTE	CR	25.308			
	A					REL-9	RANImp-EnhState1.28TDD
R2-100357	Corrections to the Treset for 1.28Mcps TDD	ZTE	CR	25.331			F
	REL-8						RANImp-EnhState1.28TDD
R2-100359	Corrections to the Treset for 1.28Mcps TDD	ZTE	CR	25.331			A
	REL-9						RANImp-EnhState1.28TDD
R2-100360	Clarification to the frequency selection operation for E-FACH of 1.28Mcps TDD	ZTE	CR				
	25.331	F				REL-8	RANImp-EnhState1.28TDD
R2-100361	Clarification to the frequency selection operation for E-FACH of 1.28Mcps TDD	ZTE	CR				
	25.331	A				REL-9	RANImp-EnhState1.28TDD
R2-100368	Clarification to E-FACH measurement occasion of 1.28Mcps TDD	ZTE	CR	25.331			
	F					REL-8	RANImp-EnhState1.28TDD
R2-100371	Clarification to E-FACH measurement occasion of 1.28Mcps TDD	ZTE	CR	25.331			
	A					REL-9	RANImp-EnhState1.28TDD
R2-100484	Clarification for the BCCH transmission to CELL_FACH state UE for 1.28Mcps TDD	TD Tech	CR	25.331	F	REL-8	RANImp-EnhState1.28TDD
R2-100485	Clarification for the BCCH transmission to CELL_FACH state UE for 1.28Mcps TDD	TD Tech	CR	25.331	A	REL-9	RANImp-EnhState1.28TDD
R2-100499	Correction for actions to HS_DSCH_DRX_CELL_FACH_STATUS variable for LCR TDD	TD Tech	CR	25.331	F	REL-8	RANImp-EnhState1.28TDD
R2-100500	Correction for actions to HS_DSCH_DRX_CELL_FACH_STATUS variable for LCR TDD	TD Tech	CR	25.331	A	REL-9	RANImp-EnhState1.28TDD

9.5 Mobility between UMTS and LTE

R2-100317	Cell Selection/Reselection from UMTS to LTE	ZTE	CR	25.331	A	REL-9	LTE-L23
R2-100348	Clarification to priority based mobility procedures	Qualcomm Incorporated	Disc			REL-8	LTE-L23
R2-100349	Clarification to priority based mobility procedures	Qualcomm Incorporated	CR	25.304			
	F					REL-8	LTE-L23
R2-100571	Clarification on the use of HCS when absolute priority reselection is used	Nokia Corporation, Nokia Siemens Networks	CR	25.304	F	REL-8	LTE-L23
R2-100572	Clarification on the use of HCS when absolute priority reselection is used	Nokia Corporation, Nokia Siemens Networks	CR	25.304	A	REL-9	LTE-L23

9.6 Support of UTRA HNB

9.7 TEI8

R2-100129	Extend UM RLC ciphering error detection and recovery mechanism for VoIP	Huawei	CR					
	25.331 C REL-8 TEI8							
R2-100130	Extend UM RLC ciphering error detection and recovery mechanism for VoIP	Huawei	CR					
	25.331 A REL-9 TEI8							
R2-100131	Discussion on the non-serving RG down	Huawei	Disc	REL-8	TEI8			
R2-100132	Corrections to the non-serving RG down	Huawei	CR	25.321 F	REL-8	TEI8		
R2-100133	Corrections to the non-serving RG down	Huawei	CR	25.321 A	REL-9	TEI8		
R2-100137	UE behaviour upon RLC re-establishment or inter-RAT change before successful delivery of SCRI for fast dormancy	Panasonic	CR	25.331 F	REL-8	TEI8		
R2-100187	Events 6x to trigger a TTI change	Ericsson, ST-Ericsson	Disc	REL-8	TEI8			
R2-100188	New Events 6x: Event 6H and Event 6I	Ericsson, ST-Ericsson	CR	25.331 F				
	REL-8 TEI8							
R2-100189	New Events 6x: Event 6H and Event 6I	Ericsson, ST-Ericsson	CR	25.331 A				
	REL-9 TEI8							
R2-100276	Correction of DRX definition for LCR TDD	New Postcom	CR	25.308 F	REL-8	TEI8		
R2-100277	Correction of DRX definition for LCR TDD	New Postcom	CR	25.308 A	REL-9	TEI8		
R2-100278	Correction of HS-SCCH Type 3 usage with MAC-ehs for LCR TDD	New Postcom	CR					
	25.321 F REL-8 TEI8							
R2-100279	Correction of HS-SCCH Type 3 usage with MAC-ehs for LCR TDD	New Postcom	CR					
	25.321 A REL-9 TEI8							
R2-100562	Clarification of T323 configuration	Nokia Corporation, Nokia Siemens Networks	CR					
	25.331 F REL-8 TEI8							
R2-100563	Clarification of T323 configuration	Nokia Corporation, Nokia Siemens Networks	CR					
	25.331 A REL-9 TEI8							
R2-100139	UE behaviour upon RLC re-establishment or inter-RAT change before successful delivery of SCRI for fast dormancy	Panasonic	CR	25.331	A	REL-8	TEI8	
	8 TEI8							
	withdrawn							

9.8 Other UTRA Rel-8 WIs

Including Enhanced UE DRX, HSPA VoIP to WCDMA/GSM CS continuity, HS-DSCH Serving Cell Change Enhancements, Support for ANSS for LCS, and release 8 WIs where other WGs are the lead.

REL-8 ETWS:

R2-100135	Reception of ETWS notification in limited service state	Panasonic	CR	25.304 F				
	REL-8 ETWS							
R2-100136	Reception of ETWS notification in limited service state	Panasonic	CR	25.304 A				
	REL-9 ETWS							
	withdrawn							

REL-8 RANimp-LCRCPC (RAN1):

R2-100153	Clarification on HARQ procedure for HS-DSCH SPS operation for 1.28 Mcps TDD	CATT	CR					
	25.321 F REL-8 RANimp-LCRCPC							
R2-100154	Clarification on HARQ procedure for HS-DSCH SPS operation for 1.28 Mcps TDD	CATT	CR					
	25.321 A REL-9 RANimp-LCRCPC							

REL-8 RANimp-DCHSDPA (RAN1):

R2-100155	Corrections to stage 2 of DC-HSDPA DCHSDPA	Huawei CR	25.308 F	REL-8	RANimp-
R2-100156	Corrections to stage 2 of DC-HSDPA DCHSDPA	Huawei CR	25.308 A	REL-9	RANimp-

REL-8 RANimp-DRX**REL-8 RANimp-HSPA VoIP:****REL-8 RANimp-ANSS:****REL-8 RANimp-HSDSCH:****REL-8 MBSFN-DOB (RAN1):**

10 UTRA Release 9

10.1 DC-HSDPA with MIMO (RP-090332)

(RANimp-DC_MIMO, leading WG: RAN1, started: March 09, closed: Dec. 09, WIDS: RP-090332)

R2-100151	Corrections to TSN field extension configuration for MAC-ehs entity	Huawei CR			
	25.331 F	REL-9	RANimp-DC_MIMO		
R2-100152	Clarification of code rates limitation for category 25/27	Huawei CR	25.306 F	REL-	
	9 RANimp-DC_MIMO				
R2-100161	Consideration on CQI feedback cycle in combined DC-HSDPA and MIMO	Huawei Disc		REL-	
	9 RANimp-DC_MIMO				
R2-100184	Correction to the activation/deactivation of secondary cell MIMO feature	Ericsson, ST-Ericsson			
	CR 25.331 F	REL-9	RANimp-DC_MIMO		

10.2 DC-HSUPA (RP-090014)

(RANimp-DC_HSUPA, leading WG: RAN1, started: March 09, target: March 10, WIDS: RP-090014)

R2-100145	open issues of E-TFC selection and happy bit evaluation for DC-HSUPA	Huawei Disc		REL-	
	9 RANimp-DC_HSUPA				
R2-100146	Corrections for virtual active set	Huawei CR	25.331 F	REL-9	RANimp-DC_HSUPA
R2-100147	Corrections for DC-HSUPA in 25.321	Huawei CR	25.321 F	REL-9	RANimp-
	DC_HSUPA				
R2-100190	E-TFC selection for DC-HSUPA	Ericsson, ST-Ericsson	Disc	REL-9	RANimp-DC_HSUPA
R2-100191	Corrections to DC-HSUPA operation	Ericsson, ST-Ericsson	CR	25.319 F	REL-
	9 RANimp-DC_HSUPA				
R2-100199	DC-HSUPA E-TFC Power Split and Happy Bit Evaluation	Alcatel-Lucent, Alcatel-Lucent			
	Shanghai Bell	Disc	REL-9	RANimp-DC_HSUPA	
R2-100242	Clarification of FDD DL channel combination applicability for DC-HSUPA	Infineon Technologies			
	CR 25.302 F	REL-9	RANimp-DC_HSUPA		
R2-100244	Update of Stage 2 description for DC-HSUPA	Infineon Technologies	CR	25.319 F	
	REL-9 RANimp-DC_HSUPA				
R2-100338	Power split, E-TFC Selection and Happy Bit Determination for DC-HSUPA	Qualcomm			
	Incorporated	CR 25.321 F	REL-9	RANimp-DC_HSUPA	
R2-100339	Power split, E-TFC Selection and Happy Bit Determination for DC-HSUPA	Qualcomm			
	Incorporated	Disc	REL-9	RANimp-DC_HSUPA	
R2-100340	Independent configuration of Maximum UL Tx power in DC-HSUPA	Qualcomm			
	Incorporated	CR 25.331 C	REL-9	RANimp-DC_HSUPA	
R2-100507	Remaining open issues on DC-HSUPA E-TFC Selection	InterDigital		Disc	REL-9
	RANimp-DC_HSUPA				
R2-100533	Discussion on E-TFC selection in DC-HSUPA	LG Electronics Inc.		Disc	REL-9
	RANimp-DC_HSUPA				

R2-100539	DC-HSUPA Minor Corrections to 25.321 REL-9 RANimp-DC_HSUPA	Qualcomm Incorporated	CR	25.321	F
R2-100540	DC-HSUPA Minor Corrections to 25.319 REL-9 RANimp-DC_HSUPA	Qualcomm Incorporated	CR	25.319	F
R2-100577	Happy bit power evaluation criteria DC_HSUPA	LG Electronics Inc.	Disc	REL-9 RANimp-DC_HSUPA	

10.3 Home-NB enhancements (RP-091392)

(EHNB-RAN2, leading WG: RAN2, started: March 09, target: March 10, WIDS: RP-091392)

Covering LTE specific stage-2 aspects and LTE stage-3 aspects. Common UMTS/LTE aspects should be discussed under 4.2.1

R2-100205	Reading neighbour HNB system Information Block 3 REL-9 EHNB-RAN2	Alcatel-Lucent	CR	25.331	F
R2-100212	Discussion on need for a prohibit timer mechanism for CSG proximity indication	Alcatel-Lucent	Disc	REL-9 EHNB-RAN2	
R2-100213	Clarification of the proximity indication reporting	Alcatel-Lucent	CR	25.331	F REL-9 EHNB-RAN2
R2-100266	25331_CRxxxx_(REL-9)_Support of inter-RAT inbound mobility to HeNB 25.331 B REL-9 EHNB-RAN2	Huawei	CR		
R2-100267	Discussion on proximity indication for UMTS intra-frequency inbound mobility REL-9 EHNB-RAN2	Huawei	Disc		
R2-100271	25331_CRxxxx_(REL-9)_Introduction of UE inbound mobility capability signalling 25.331 B REL-9 EHNB-RAN2	Huawei	CR		
R2-100272	Discussion on remaining open issues in UMTS inbound mobility EHNB-RAN2	Huawei	Disc	REL-9	
R2-100273	25331_CRxxxx_(REL-9)_Clarification for UMTS inbound mobility F REL-9 EHNB-RAN2	Huawei	CR	25.331	
R2-100330	Correction on CSG Proximity Indication EHNB-RAN2	InterDigital	CR	25.331	F REL-9
R2-100441	PSC selection for reporting SI	LG Electronics Inc.	Disc	REL-9 EHNB-RAN2	
R2-100458	Intra-frequency CSG inbound handover for UMTS EHNB-RAN2	LG Electronics Inc.	Disc	REL-9	
R2-100481	25.331: Applying periodic measurements to CSG cells 25.331 F REL-9 EHNB-RAN2	Qualcomm Incorporated	CR		
R2-100482	25.331: Fix for CSG measurements without SI report 25.331 F REL-9 EHNB-RAN2	Qualcomm Incorporated	CR		
R2-100483	CR capturing HNB inbound mobility agreements REL-9 EHNB-RAN2	Qualcomm Incorporated	CR	25.367	F
R2-100494	Clarification to Manual CSG ID Selection and correction to the reference of inbound mobility to CSG Cel HTC Corporation	CR	25.367	F REL-9 EHNB-RAN2	
R2-100555	Aligning inbound handover procedure in UMTS with LTE EHNB-RAN2	Samsung	Disc	REL-9	
R2-100569	Release 9 UE Capability: UTRA Home Node B Inbound Mobility related features Corporation, Nokia Siemens Networks	CR	25.331	C REL-9 EHNB-RAN2	
R2-100570	Release 9 UE Capability: UTRA Home Node B Inbound Mobility related features Corporation, Nokia Siemens Networks	CR	25.306	C REL-9 EHNB-RAN2	

10.4 TEI9

R2-100157	Modification on measurement occasion calculation in 1.28 Mcps TDD 25.331 C REL-9 TEI9	CATT	CR		
R2-100158	Modification of special default midamble allocation scheme for 1.28 Mcps TDD 25.331 C REL-9 TEI9	CATT	CR		
R2-100185	Status update of ASN.1 review for Rel-9	Ericsson, ST-Ericsson	Disc	REL-9	TEI9
R2-100356	Introduction of measurement occasion in CELL_DCH state for 1.28Mcps TDD 25.331 F REL-9 TEI9	ZTE	CR		
R2-100374	handling of inactivity threshold for DRX	Motorola	CR	25.321	F REL-9 TEI9

R2-100375	Modification of measurement occasion for 1.28Mcps TDD	TD Tech	CR	25.331	C
	REL-9	TEI9			
R2-100443	Correction of PSC selection for SI reporting	LG Electronics Inc.	CR	25.331	F
	REL-9	TEI9			
R2-100523	CR to 25.304 on Cell reselection enhancements	NTT DOCOMO	CR	25.304	B
	9 TEI9, LTE-L23				REL-
R2-100524	CR to 25.331 on Cell reselection enhancements	NTT DOCOMO	CR	25.331	B
	9 TEI9, LTE-L23				REL-

10.5 Other UTRA Rel-9 WIs

10.5.1 TxA extension for non-MIMO UEs

(RANimp-TxA_nonMIMO; leading WG: RAN1, started: March 08, closed: Dec. 09, WIDS: RP-090013)

R2-100341	Clarification of UE Categories for TxA-Non-MIMO	Qualcomm Incorporated	CR
	25.306	F	REL-9 RANimp-TxA_nonMIMO

10.5.2 Support for different bands for Dual-Cell HSDPA

(RANimp-MultiBand_DC_HSDPA; leading WG: RAN4, started: March 08, closed: Dec. 09, WIDS: RP-090973)

R2-100344	Independent configuration of DRX in Dual Band DC-HSDPA	Qualcomm Incorporated	Disc
	REL-9	RANimp-MultiBand_DC_HSDPA	

10.5.3 Extended UMTS/LTE 800 MHz

(RInImp9-UMTSLTE800; leading WG: RAN4, started: Dec. 08, closed: Sep. 09, WIDS: RP-080884)

R2-100236	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.331	B	REL-9 RInImp9-UMTSLTE800
R2-100237	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-4 RInImp9-UMTSLTE800
R2-100238	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-5 RInImp9-UMTSLTE800
R2-100240	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-6 RInImp9-UMTSLTE800
R2-100241	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-7 RInImp9-UMTSLTE800
R2-100243	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-8 RInImp9-UMTSLTE800
R2-100245	Introduction of bands XX (900 MHz) and XXII (3500 MHz)	ST-Ericsson, Ericsson	CR
	25.307	B	REL-9 RInImp9-UMTSLTE800

10.6 UTRA Release 9 ASN.1 review activity

11 UTRA Release 10

11.1 LCR TDD MC-HSUPA (RP-090990)

(TDD_MC_HSUPA; leading WG: RAN1, started: Sep. 09, closed: Dec. 10, WIDS: RP-090990)

R2-100159	Consideration on MAC structure of Multi-Carrier HSUPA	CATT	Disc
R2-100281	Analysis of MC-HSUPA for LCR TDD	New Postcom	Disc
R2-100486	SI content of MC-HSUAP for 1.28 Mcps TDD	TD Tech	Disc
R2-100495	L2 architecture for 1.28M TDD MC-HSUPA operation	TD Tech	Disc

R2-100501	Frequency control of MC-HSUPA for 1.28Mcps TDD	TD Tech	Disc
R2-100496	L2 architecture for 1.28M TDD MC-HSUPA operation withdrawn	TD Tech	Disc

11.2 4C-HSDPA (RP-091438)

(4C_HSDPA-Core; leading WG: RAN1, started: Dec. 09, closed: Dec. 10, WIDS: RP-091438)

R2-100085	4C-HSDPA: Mobility based on Anchor Carrier	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	
	Disc REL-10 4C_HSDPA-Core		
R2-100138	Considerations for 4-Carrier HSDPA operation	Huawei Disc	REL-10 4C_HSDPA-Core
R2-100140	Consideration on UE categories for 4C-HSDPA	Huawei Disc	REL-10 4C_HSDPA-Core
R2-100186	Protocol aspects of 4-carrier HSDPA	Ericsson, ST-Ericsson	Disc REL-10 4C_HSDPA-Core
R2-100342	4C impact on RAN2	Qualcomm Incorporated	Disc REL-10 4C_HSDPA-Core

11.3 RF pattern matching in UMTS (RP-091427)

(LCS_UMTS_RFPMT-Core; leading WG: RAN2, started: Dec. 09, closed: Dec. 10, WIDS: RP-091427)

11.4 Other UTRA Rel-10 WIs

R2-100343	A new event trigger for UEs configured with an E-DCH	Qualcomm Incorporated	Disc REL-10 TEI10
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12 Outgoing LS and email discussions for UTRA

12.1 Agreed outgoing LS for UTRA

12.2 Email discussions for UTRA

13 Left-overs

13.1 Joint UMTS/LTE

13.2 LTE User plane

13.3 LTE MBMS

13.4 UMTS

14 Outgoing LS and output to other groups for LTE

R2-100065 [Draft] Reply LS on PDCCH monitoring set for carrier aggregation in LTE-Advanced CATT
 LSout reply LS to R1-095056 = R2-097377 REL-10 LTE_CA-Core

R2-100387 [Draft] Response LS on emergency attach in a shared LTE network Alcatel-Lucent LSout
 reply LS to C1-095744 = R2-100009 REL-9 TEI9, LTE-L23

15 Any other business

TITLE	DATES	LOCATION	COUNTRY	COMMENT
2010				
3GPPRAN2#68bis	18 – 22 Jan	Valencia	Spain	Colocated with RAN WG1,3
3GPPRAN2#69	22 - 26 Febr	San Francisco	USA	Colocated with SA1, SA2, CT
3GPPRAN#47	16-19 March	Vienna	Austria	
3GPPRAN2#69bis	12 – 16 April	Beijing	China	Colocated with RAN1; partial RAN2 ?
3GPPRAN2#70	10 – 14 May	RIM	Canada	Colocated with RAN WG's
3GPPRAN#48	1 - 4 June	Korea		
3GPPRAN2#70bis	28 June – 2 July	Ericsson	Sweden	RAN2only: full meeting
3GPPRAN2#71	23 – 27 Aug	Madrid	Spain	Colocated with RAN WG's
3GPPRAN#49	14 – 17 Sept		USA	
3GPPRAN2#71bis	11 – 15 Oct	ZTE	China	Colocated with RAN WG1,3
3GPPRAN2#72	15 – 19 Nov	Usfriends	USA	Colocated with SA1, SA2, CT ?
3GPPRAN#50	7 – 10 Dec		EU	
2011 (tentative)				
3GPPRAN2#72bis	17 – 21 Jan		Europe	RAN1,2,3,x,x (EF3)
3GPPRAN2#73	21- 25 Febr	Taipei	Taiwan	RAN1,2,3,4,5 (HTC)
3GPPRAN#51	15-18 March		US	
3GPPRAN2#73bis	4 – 8 April			RANx,2,x,4,x
3GPPRAN2#74	9 – 13 May		Japan	RAN1,2,3,4,5 (JF3)
3GPPRAN#52	31 May – 3 June		Europe	
3GPPRAN2#74bis	27 June – 1 July			RANx,2,x,x,x
3GPPRAN2#75	22 – 26 August		Europe	RAN1,2,3,4,5 (EF3)
3GPPRAN#53	13 – 16 Sept			
3GPPRAN2#75bis	10 – 14 Oct			RAN1,2,3,4,x
3GPPRAN2#76	14 – 18 Nov			RAN1,2,3,4,5
3GPPRAN#54	6 – 9 Dec		Europe	

16 Closing of the meeting (5PM)