

3GPP TSG RAN meeting #52
Bratislava, Slovakia, May 31 - June 3, 2011

RP-110855

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Kansas City, USA, March 15 – 18, 2011
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Report of 3GPP TSG RAN meeting #51

held in Kansas City, USA
March 15 – 18, 2011



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1 Opening of the Meeting (Tuesday 9 a.m.)

- The meeting was opened by Nakamura-san, the RAN chair on Tuesday, 15th of March 2011 at 9a.m.
- One minute of silence was observed on the memory of all victims of the recent events in Japan and other parts of the world (new Zealand, china, ...)
- Marc Lipford, on behalf of Sprint, welcomed the delegates to Kansas City.

2 Approval of the Agenda

RP-110001	Agenda	Agenda for RAN #51	RAN chairman (NTT DOCOMO)
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- Time alignment with CT group is required to allow delegates to attend the CT election (The Election is scheduled on Thursday).
- Priority on the WIs/SIs approval needs to be considered and companies were invited to only maintain their proposal if it is strongly needed.

Status: approved

3 Approval of the meeting report of TSG-RAN #50

RP-110361	Report	Report of RAN#50 meeting	MCC
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Status: Approved

4 Reminder for IPR declaration

The attention of the delegates to the meeting of this Technical Specification 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 are asked to take note that they are thereby 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/Ipr/>).

5 RAN Chairman's Report of meetings

5.1 Report from TSG SA

RAN#50 report

I presented my report in SA-100840.

Relay security

It was decided that SA3 continue their work on this. We need to wait for conclusion of SA3 meeting in January. Results of the SA3 meeting in January will be informed to relevant groups including RAN WGs and RAN. At SA#51, status will be reviewed and SA will make a final decision whether Relay can be REL-10 or postponed to REL-11.

LS in SP-100874 will be sent from SA to relevant groups including RAN, ITU-R AH, RAN1, RAN2, RAN3 and RAN4 to liaise the discussion results at SA#50. In this LS, SA recommends that Relay specs are not included in IMT-Advanced ITU-R submission, i.e. GCS, due to this uncertainty of completion of Relay features within REL-10.

LS from DVB project

According to TSG-RAN proposal, it was decided to have a joint session between RAN and CT on March 16(Wed) 11:00 am –12:00 pm, i.e. in the week of the next RAN plenary, and DVB Project will be invited to the session. Based on the information from DVB, we need to prepare RAN's recommendation on the way forward and provide it to SA#51 for decision. LS back to DVB project was sent from SA in SA-100870 to inform above SA decision.

Scope of REL-11 MTC

At RAN#50, a concern on the scope of REL-11 MTC was raised. Other groups have same concern and we had a discussion on this issue at SA#50. It was decided that:

- SA WG1 were asked to provide priorities in SIMTC Features for Rel-11 to SA WG2.
- SA WG1 and SA WG2 should try to group the work into logical groups in order to organize the feature into independently completing parts.
- SA WG1 and SA WG2 are asked to provide inputs to the March 2011 TSG SA meeting, in order for a prioritization exercise to be performed.

LS from NGMN

This LS was treated both at RAN#50 and SA#50.

It was decided that LS back should be sent at SA#51 considering discussion results at RAN#51 on FGI bit.

TR 21.905 (TR on 3GPP vocabulary)

It was decided that the ownership was moved from SA1 to SA.

5.2 Report from PCG and OP

5.3 Report from other meetings

6 Liaison activity of TSG RAN

6.1 Groups outside 3GPP

RP-110007	LS in	LS on E-UTRA BS emission limits in European Harmonised Standards	ETSI MSG
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RAN4 chairman: This LS was handled by RAN4 in the Taipei meeting (RAN4#57AH), and RAN4 already started the work on this subject.

→ RAN4 will reply to this LS with RAN in Cc.

Status: Noted

RP-110201	Info	Information on band usage plan in 900 MHz band in Japan	ARIB
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Status: Revised in 0322

RP-110322	Info	Information on band usage plan in 900 MHz band in Japan	ARIB
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Status: Noted

6.2 TSG SA, TSG CT, TSG GERAN

RP-110010	LS in	Way forward on DVB-NGH and eMBMS convergence	3GPP TSG SA
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Presented by RAN chairman

Status: Noted

RP-110148	LS in	Reply LS on enabling detection of unnecessary IRAT HO for Gb-mode BSS	TSG GERAN
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Presented by Alcatel lucent

→ RAN3 groups will reply to this LS during their next meeting.

Status: Noted

RP-110150	LS in	LS on Management of MOCN supporting MSs/UEs in GERAN	TSG GERAN
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Presented by Alcatel Lucent

Status: Noted

6.3 TSG RAN WG1, WG2, WG3, WG4, WG5

RP-110144	LS in	LS on support for dual band DC-HSDPA+MIMO	TSG RAN WG2
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Presented by Huawei.

Qualcomm: there are two alternatives and one of them proposes a Cat B CR to rel-9. Unless the feature is extremely critical, Qualcomm prefers to have features introduced only in rel-10 CR not in rel-9.

Chair: evening session will be held to discuss the FGI bit and the release to which the CR should go.

→ LS and corresponding CRs will be treated in an evening ad-hoc session.

Status: Noted

RP-110220	LS in	LS on Rel-10 RAN2 UTRA features	TSG RAN WG2
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Presented by Ericsson.

The LS will be retreated in the ad-hoc evening session

Status: Noted

RP-110018	LS in	LS on CRs for MSR specifications	TSG RAN WG4
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Presented by Ericsson

Status: Noted

RP-110146	LS in	Reply LS to "LS on CRs for MSR specifications"	TSG GERAN WG1
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Presented by Ericsson

Status: Noted

RP-110145	LS in	LS on UE support of handovers between LTE FDD and LTE TDD	TSG RAN WG5
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Presented by the RAN5 chair.

Status: Noted

RP-110014	LS in	Reply LS on CN node selection	TSG RAN WG2
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Presented by Alcatel Lucent.

RAN2 chair: - SA2 sent a response LS.

- SA2 suggested the introduction of a 25th bit in addition to the 24 bits for LTE and there is a RAN2 CR that introduces this 25th bits. Some companies now think this bit is not necessary, so the CR might be pushed back to RAN2.

Status: Noted

7 Election for chairman and vice chairman

One candidate for RAN: Takehiro Nakamura.

Takehiro Nakamura is elected as RAN-chair for RAN, for the 2 coming years.

Three candidates for vice-chairman: Marc Grant, Han van Bussel and Hai TANG.

Marc Grant, Han van Bussel and Hai TANG are elected as vice-chairmen for TSG RAN, for the coming 2 years.

8 ITU-R Ad hoc

8.1 Status report

RP-110020	Report	Status Report ITU-R Ad hoc	ITU-R Ad Hoc Contact (Telecom Italia)
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Documents for ITU-R need to be reviewed.

Status: Noted

8.2 Submission to ITU-R

RP-110005	LS in	LS on the consideration of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc
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Status: Noted

RP-110006	LS in	LS on additional considerations of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc
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- This document is an update to RP-110005 to capture the SA3 decision on the security for relays and thus proposes an additional way forward in case relay are included in the submission to ITU-R.
- SA chair confirmed that discussion and decision on relay will take place on the first day of the SA plenary next week.

Status: Noted

8.2.1 ITU-R submission for IMT-Advanced

RP-110004	Info	Milestone 4 of RP-100939 fulfilled	MCC
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Status: Noted

RP-110002	Approval	RT-110032, "LTE-Advanced" material for Rec. ITU-R M.[IMT.RSPEC] H146	TSG-RAN ITU-R AdHoc
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The document is already approved by correspondence in TSG RAN/CT/SA and PCG

Telecom Italia: In the note in the first page we should mention the number of the agreed document from 3GPP (instead of RP-11YYYY) once this document is approved.

Chair: This document will be revised based in the discussion from SA concerning relays. A Tdoc was already reserved: (document RP-110141) for this revision.

➔ RP-110141 is the number to be put in the note before it is sent to ITU-R WP5D via Individual members.

Alcatel Lucent: does it make any difference to ITU-R to say if relay is supported or not? We think the current wording is sufficient.

Chair: Even if it is not mandatory to meet the IMT-advanced requirements, it is preferable to include it.

Fujitsu: 36.216 will not be presented to ITU, independently of SA. Is that the correct understanding?

Telecom Italia: The inclusion of the spec is subject to the approval of including relay in rel-10.

Fujitsu: In practice, even if there is acceptance for the work on relay to continue in rel-10 it won't be completed on time, so the status of 36.216 does not depend on the acceptance of relay on rel-10.

Status: Noted

RP-110003	Approval	RT-110018, "Supporting input for the OPs"	TSG-RAN ITU-R AdHoc
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Already approved via correspondence

Status: noted

RP-110141	Approval	LTE-Advanced" material for Rec. ITU-R M.[IMT.RSPEC]	TSG-RAN ITU-R AdHoc
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Status: approved

RP-110317	Approval	Draft accompanying letter for the submission of the Global Core Specifications (GCS) for Rec. ITU-R M.[IMT.RSPEC]	ITU-R Ad Hoc Contact Person
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Was not included in the package of the documents submitted in the reflector for approval via correspondence.

➔ **It is Approved by RAN to use this cover sheet.**

Status: approved

8.2.2 Other ITU-R submission

RP-110151	LS in	Reply LS on "Wide area sensor and/or actuator network (WASN) systems"	TSG GERAN
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Status: Noted

RP-110318	Approval	Cover page for the submission to ITU-R WP5D of the revision of TR21.905	ITU-R Ad Hoc
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➔ **Cover page approved by RAN.**

Status: approved

RP-110319	LSout	Draft response to ITU-R WP5A on “Wide area sensor and/or actuator network (WASN) systems”	ITU-R Ad Hoc
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This LS needs to be approved by PCG level.

→ The LS Will be presented to SA for endorsement and then presented to PCG for approval.

Status: Approved

RP-110320	LSout	Draft response to ITU-R WP5A on “Quality of Service Requirements and Objectives for Wireless Access Systems”	ITU-R Ad Hoc
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→ Same handling (PCG approval) as 0319.

Status: Approved (RAN level)

RP-110321	LSout	Draft response to ITU-R WP5A on the Working Document towards a Preliminary Draft New Report ITU-R M.[LMS.PPDR.UHF TECH]	ITU-R Ad Hoc
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→ Same handling (PCG approval) as 0319

Status: approved (RAN level)

9 RAN WGs: WG Status Reports & CR Approvals Rel-99 to Rel-9

9.1 TSG RAN WG1

9.1.1 Report from RAN WG1 including report on actions required from the previous meeting

RP-110021	Report	Status Report RAN WG1	RAN1 chairman (Alcatel-Lucent)
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LG: Comment on slide 16, regarding the sentence “*For TDD UL ACK/NACK on Un PUCCH, the same behaviour is supported as for non-CA UE operation*”.

RAN1 Chair: This captures the agreement from the reflector discussion output and it is better to continue this discussion on the RAN1 reflector.

Telecom Italia: some times RAN1 is providing features then it is difficult to define performance in RAN4. We should insure that there is a continuous process between WGs.

RAN1 chair: RAN should ensure that when a WI is approved for RAN1, RAN4 has the capacity to handle the WI. When an issue comes up during the work on a WI, an LS is sent and RAN4 is asked for feedback if it is feasible or not and if it can be completed with the timeline and RAN1 follows the recommendation from RAN4.

Chair: Clarification of the detailed split of work over WGs on the WID is good culture and should be continued.

Ericsson: has concerns on the work on CA. CA for hetnet is not working as it is not possible for the UE to synchronize to the S_Cell. There was no time to be back to it in Dublin. → . there is an issue that needs to be addressed.

RAN1 chair: this can be discussed during this week.

Status: Noted

RP-110022	Info	List of CRs from RAN WG1	RAN1
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Status: Noted

9.1.2 Discussions on decisions from RAN WG1

9.1.3 Approval of CRs to Rel-99, Rel-4, Rel-5, Rel-6 and Rel-7 with linked CRs

9.1.4 Approval of CRs to Rel-8

9.1.4.1 CRs for LTE [LTE-Phys]

9.1.4.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI8]

9.1.5 Approval of CRs to Rel-9

9.1.5.1 CRs related to LTE

9.1.5.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI9]

RP-110251	CR	CRs to 25.214 to correct CPC procedure for DC-HSUPA	TSG RAN WG1
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Status: approved

RP-110252	CR	CRs to 25.224 to correct the special burst transmission power calculation for 1.28Mcps TDD	TSG RAN WG1
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Status: approved

9.1.6 Approval of linked CRs where the leading one originated from RAN WG1

9.2 TSG RAN WG2

9.2.1 Report from RAN WG2 including report on actions required from the previous meeting

RP-110023	Report	Status Report RAN WG2	RAN2 chairman (Samsung)
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AT&T: asked for Clarification of the last sentence of slide 15 “*this feature does not require a capability bit even if optional*”

RAN2 chair: This is used for UE reporting after RLF happens: after re-establishment he can report. If the UE does not support this feature it would just not say it has some something to report.

AT&T: could it be understood as a dynamic way to indicate it has or has not this capability?

RAN2 chair: Yes.

ALU: what is the status of the hetnet mobility in RAN2 ?

RAN2 chair: from a RAN2 point of view, the work is done. There is an Liaison to RAN4 to inform that inter frequency support is required. But this will not be for rel-10 time frame.

ALU: And the discussion on simulation parameters ?

RAN chair: This is not related to eICIC. It is related to mobility from/to a pico-cell. We are still discussing if enhancements are needed. These simulations will not be finished quickly so it may end up in rel-11.

RAN2 Chair: on the issue on RLF for rel-9 (Slide 15): there is no paper in this and we need to decide if it is mandatory or optional.

NTT: discuss this in the ad-hoc session.

Status: Noted

RP-110024	Info	List of CRs from RAN WG2	RAN2
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Status: Noted

9.2.2 Discussions on decisions from RAN WG2

RP-110143	LS in	LS on Rel-10 LTE UE capabilities	TSG RAN WG2
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was handled in the evening ad-hoc session.

Status: noted

RP-110203	Disc	Basic principles and way forward for deciding Rel-10 UE capabilities	NTT DOCOMO, INC.
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Motorola: this is a reasonable proposal. However it seems that assumption is that all WGs finished the work. But this is not the case in RAN4. it is only after finishing the work in core and performance parts that we can understand some of the issues and whether this can be mandatory or optional.

NTT: it is critical that the work is completed including in RAN4. If there is any open issue including RAN4, then the feature can not be implemented. We need to decide if we need to introduce capability bit FGI or we keep it mandatory and in this case tolerate that Rel-10 may not be available.

Qualcomm: No issues in the principles as such. However we need to address the gain and the advantages of having a FGI again in rel-10. If we gain something then it is ok to have them. However if we don't gain anything then we should not have them and UE capabilities are sufficient.

NTT: it is difficult to speculate which feature will be implemented first. There are two perspectives:

- a) In order not to block any other feature because of mandating one particular feature, it seems to better make every thing optional.
 - b) from the other hand when looking into the operators' recommendation, they request a certain set of features to be mandatory. For these features there might be IUT problems if it is not sufficiently tested
- ➔ FGI is a kind of compromise between these two ends. The difference between FGI and UE capability is that With FGI there is a clear intention from the market to use these features in contrast to pure UE capabilities.

Ericsson: same view as Qualcomm.

Ericsson: when reading principle 2 and principle 1 the understanding it that we mandate the feature that, if not supported by all UEs, it will not work and all other features are optional. Is this the understanding also of the proponent ?

NTT: Principle 1 and 2 are some what contradicting. It depends on the level of perception whether a feature will or not work. We have to look at every individual feature wither to make it mandatory or optional.

RAN2 chair: All big features use the same approach as done in the past, they are all optional. FGI could play a rule in the sub-features.

Vodafone: question should be: do we have mandatory features in rel-10 or not?

RAN2 chair: FGI is for sub-feature only.

Teleocm Italia: disagree with what Qualcomm is proposing.

Orange: difficulty to have an open discussion among vendors. It is not feasible to disclose road-maps between vendors.

Ericsson: the intention of principle 5 ?

NTT: fix the FGI as far as possible at this stage. Not prohibit any further introduction of FGI later on but would like to avoid continuously proposing to have features optional or introduce FGI bit as this may seriously impact network implementation.

Qualcomm: It is important to understand inter-dependency between features when discussing the mandatory/optional aspect of a feature.

NTT: inter-dependency is important and RAN1 and RAN2 did their job on this aspect.

Fujitsu: proposes to “agree the document in principle”. Then spend the energy on discussing the details for each feature later on, Instead of a lot of debate for a long time on exact wording of the principles

Chair: More detailed discussion will be needed for every FGI bit. We need to have an agreement on the FGI bits.

After offline discussion:

NTT: it seems people are ok with the proposed way forward except from principle 6.

Status: Noted

RP-110204	Disc	Operators' opinions on Rel-10 UE capabilities	NTT DOCOMO, INC.
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Handled in the evening session

Status: Noted

RP-110303	Disc	REL10 UE Capabilities and Feature Group Indications	Nokia Corporation, Nokia Siemens Networks
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Handled in the evening session

Status: Noted

RP-110205	Disc	Mandatory RLF reporting function	NTT DOCOMO, INC.
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Handled in the evening session

Status: Noted

RP-110142	LS in	Reply LS on introduction of UE test loop mode 4 in TS 34.109	TSG RAN WG2
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Presented by RAN2 chair.

Status: Noted

RP-110243	Disc	Introduction of the New Test Loop Mode 4 in Rel-8 UEs	NEC, LG Electronics Inc, Fujitsu, Kyocera, Sharp Corporation, NTT DOCOMO, Inc., Panasonic, Intel Corporation
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Status: Noted

RP-110444	approval	Report of Ad-Hoc sessions on UE capabilities related issues	NTT DOCOMO, INC.
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Status: Noted

9.2.3 Approval of CRs to Rel-99, Rel-4, Rel-5, Rel-6 and Rel-7 with linked CRs

RP-110263	CR	Agreed and technically endorsed RAN2 CRs to TS 34.109 on Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	RAN2
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Revisit after the compromise is reached.

After offline:

RAN2: rel-7 and rel-9 are agreeable and for rel-8 there is a compromise proposed

NEC: no consensus on the proposed compromise. Proposal is to keep rel-8 optional

Ericsson: only one company have a concern.

Sharp: - the compromise was made available late. Didn't have time to look at it. → can not be approved.
- Also some editorial issues.

Ericsson: - the CR was circulate for some days.
- Didn't receive any comment on the editorials from Sharp.

Kyocera: there is a confusion on things that are optional and conditionally mandatory.

Qualcomm: there is an issue with rel-8. Does not want to approve rel-7 and rel-9 without rel-8.
→ proposal is to minute in the report that rel-9 and rel-7 are agreed and keep decision together with rel-8.

NEC: either approve rel-8 as optional or send back to RAN2 with the whole package.

RAN2 will continue the work on whether mode 4 for testing to be optional or mandatory

R2-111431 is rejected

Status: Partially approved (all approved except from R2-111431)

RP-110264	CR	Collection of agreed RAN2 CRs on various REL-7 WIs	RAN2
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Status: Approved

9.2.4 Approval of CRs to Rel-8

9.2.4.1 CRs for LTE [LTE-L23]

RP-110265	CR	Agreed RAN2 CRs on Clarification of band indicator in handover	RAN2
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		from E-UTRAN to GERAN	
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Status: approved

9.2.4.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI8]

RP-110266	CR	Agreed RAN2 CRs to REL-8 WI HS-DSCH Serving Cell Change Enhancements	RAN2
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Status: approved

RP-110267	CR	Agreed RAN2 CRs to REL-8 WI Enhanced Uplink for CELL_FACH State in FDD	RAN2
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Status: approved

RP-110268	CR	Collection of agreed RAN2 CRs on various REL-8 WIs	RAN2
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Status: approved

9.2.5 Approval of CRs to Rel-9

9.2.5.1 CRs related to LTE

RP-110210	CR	Updates to FGI settings	NTT DOCOMO, INC.
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Handled in the evening session

Status: revised in 442

RP-110442	CR	Updates to FGI settings	NTT DOCOMO, INC.
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Status: Revised in 455

RP-110455	CR	Updates to FGI settings	NTT DOCOMO, INC.
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Status: approved

RP-110211	CR	Updates to FGI settings	NTT DOCOMO, INC.
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Handled in the evening session

Status: revised in 443

RP-110443	CR	Updates to FGI settings	NTT DOCOMO, INC.
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Status: approved

RP-110241	CR	FGI bits related to CDMA2000 in Rel-9	KDDI
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Handled in the evening session

Status: rejected

RP-110242	CR	FGI bits related to CDMA2000 in Rel-9	KDDI
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Handled in the evening session

Status: rejected

RP-110269	CR	Agreed RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Positioning Support for LTE	RAN2
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Status: approved

RP-110270	CR	Agreed RAN2 CRs for MBMS support in LTE	RAN2
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Status: approved

RP-110271	CR	Agreed RAN2 CRs for Home NB and Home eNB enhancements - RAN2 aspects	RAN2
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Status: approved

RP-110272	CR	Agreed RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Technical small enhancements and improvements for REL-9 related to LTE	RAN2
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Status: approved

9.2.5.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI9]

RP-110259	CR	CSFB to GERAN	TeliaSonera
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Status: revised in 326

RP-110326	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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Handled in the evening session

Status: revised in 380

RP-110380	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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ALU: Why is CSFB mandatory for CGS and for UTRAN ?

TeliaSonera: the objective is to keep the GSM CSFB inline. The understanding is that for UTRAN is already the case

Status: revised in 404

RP-110404	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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Status: approved

RP-110260	CR	CSFB to GERAN	TeliaSonera
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Status: revised In 327

RP-110327	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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Handled in the evening session

Status: revised in 381

RP-110381	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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Status: Revised in 405

RP-110405	CR	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia
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Status: approved

RP-110309	CR	CSFB to GERAN	TeliaSonera
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Handled in the evening session

Status: revised in 382

RP-110382	CR	CSFB to GERAN	TeliaSonera
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Status: rejected

RP-110310	CR	CSFB to GERAN	TeliaSonera
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Handled in the evening session

Status: revised in 383

RP-110383	CR	CSFB to GERAN	TeliaSonera
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Status: rejected

RP-110273	CR	Technically endorsed RAN2 CRs on Measurement ID extension	RAN2
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Send back to RAN2

Status: postponed

RP-110274	CR	Agreed RAN2 CRs for Technical small enhancements and improvements for REL-9 related to UTRA	RAN2
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Status: approved

RP-110332	CR	Agreed RAN2 REL-10 CRs to WI on Combination of DB-HSDPA and MIMO	RAN2
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➔ remove rel-9 from title (there is no rel-9 WI on combination)

Status: approved

RP-110333	CR	Technically endorsed RAN2 CRs for Dual Band Dual Cell HSDPA combination with MIMO	RAN2
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Handled in the evening session

Status: revised in 0422.

RP-110422	CR	Dual Band Dual Cell MIMO only Release 10 UE not 3C or 4C capable	RAN2
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Compromise of 333

Status: approved

RP-110446	CR	Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	Ericsson, ST-Ericsson
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Status: rejected

9.2.6 Approval of linked CRs where the leading one originated from RAN WG2

9.3 TSG RAN WG3

9.3.1 Report from RAN WG3 including report on actions required from the previous meeting

RP-110025	Report	Status Report RAN WG3	RAN3 chairman (Qualcomm)
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NEC: On slide 14, about the sentence :“*Working assumption that the Scheduling Information message is used for deactivation/reactivation of MBMS sessions over M2*”

This is already agreed not a working assumption.

RAN3 chair: that is correct.

Status: noted

RP-110026	Info	List of CRs from RAN WG3	RAN3
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Status: Revised in 0307

RP-110307	Info	List of CRs from RAN WG3	RAN3
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Status: noted

9.3.2 Discussions on decisions from RAN WG3

9.3.3 Approval of CRs to Rel-99, Rel-4, Rel-5, Rel-6 and Rel-7 with linked CRs

9.3.4 Approval of CRs to Rel-8

9.3.4.1 CRs for LTE [LTE-interfaces]

9.3.4.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI8]

9.3.5 Approval of CRs to Rel-9

9.3.5.1 CRs related to LTE

RP-110221	CR	Rel-9 CRs related to LTE	RAN3
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Status: approved

9.3.5.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI9]

RP-110222	CR	TEI9 CRs	RAN3
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Status: approved

9.3.6 Approval of linked CRs where the leading one originated from RAN WG3

RP-110223	CR	Correction on MBMS Reset procedure	RAN3
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Status: approved

9.4 TSG RAN WG4

9.4.1 Report from RAN WG4 including report on actions required from the previous meeting

RP-110027	Report	Status Report RAN WG4	RAN4 chairman (Fujitsu)
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Slide 5: title should be <R4#58 case>not R4#57

RAN5chair : Slide 11: CPE will stop in rel-10. would it start in rel-11?

RAN4 chair: will be discussed when Status Report of the WI will be presented

Ericsson: - in Slide 26, “Network-Based Positioning Support in LTE” is listed as a rel-10 WI, however this a rel-11 WI.
- Slide 27: some CRs for Phase 2 positioning test cases were presented but not agreed. The document listed (R4-111415, R4-111442) are for phase 1 positioning not phase 2.

Discussion on priority:

Nokia: supports the prioritization on the WIs proposed by the RAN4 chair: prioritizing the remaining open issues in rel-10 based on the approval of the exception sheets and the essential maintenance of previous release. Nokia proposes to send a clear message from RAN that these are the priorities and nothing else.

Chair: many issues are still open in RAN4. We should note this prioritization principle (i.e. Essential correction and rel-10 remaining open issues). Delegates are invited to accept this priority otherwise we wont be able to finish the rel-10

Qualcomm: regarding slide 31: what does it mean in practice? especially for new frequency bands and band combinations? Endorsing this principle would mean endorsing a “first come first serve” principle for these band combinations. this approach does not serve to address the market needs

RAN4: we should first fix the ongoing fundamental/generic combinations first not the individual ones. Finish these two combinations then start the discussion on the other individual combinations.

Chair: generic combinations should be prioritized.

Nokia: We should first finish the generic combinations. All other band combinations are to be introduced in rel-11 as release independent (non is intended to be finished by June). We should focus on the bands that will be finished on June with an exception sheet.

RAN4 chair: open issues with exception sheet will be having the highest priority in the coming two meetings.

Telecom Italia: agrees with Nokia. Priority should be given to open topics for release 10. rel-11 topics should be handled if and only if there is time.

Huawei: We need to find a sustainable solution going forward. A lot of RAN4 delegates are present in this meeting, we can work out a solution guarantee a quality work in RAN4.

US cellular:- invites the operators to work with the vendors outside the standard bodies in order to come to a convergence in advance so that to limit the time spent on discussing these combinations in RAN4.
- Support RAN4 chair position to have the Generic performance done.

AT&T: - also agrees on prioritizing the Generic combinations.
- RAN can not not approve band combination proposals. AT&T Supports the prioritization once they are approved.

Qualcomm: - agrees with the RAN4 chair approach to finish what has to be finished (rel-8/rel-9 corrections and rel-10 open issues).
- In slide 33, there are some rel-9 HSPA issues which are “to be confirmed”. It is important also to close these issues.

RAN4 Chair : - the reason they are t.b.c is that some of them would be completed this time and also need to discuss further with some of the RAN4 delegates.

Telecom Italia: RAN should give a strong clear message on what to prioritize: rel-10. and rel-11 will be treated if there is time.

RAN4: proposal is to put rel-11 subject at the end of the agenda.

NSN: does not agree with this approach. It is important for companies to know well before hand if a point of the agenda will be taken or not even if this is at the end of the agenda in order to prepare the meeting in an efficient way.
(contributions and comments to other companies' contributions)

Motorola (RAN4 vice-chair): we should be careful when saying we will not treat any rel-11 subject. There are some aspects which are important and needed as soon as possible and that can be closed more easily than band combinations.
➔ Leave flexibility to the chairman.

TeliaSonera: these are micromanagement. We should leave that to RAN4 leaders. we need to leave some flexibility to RAN4 leadership.

Way forward: (a written summary to be submitted to RAN4).

By June meeting RAN4 should focus on :

Essential correction, remaining open issues in rel-10 WIs (ECD set on june)

- open issues stated in the granted exception sheet
- core part
- performance part

Ongoing study items (e.g. MIMO-OTA)

Status: Noted

RP-110028	Info	List of CRs from RAN WG4	RAN4
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Status: revised in 431

RP-110431	Info	List of CRs from RAN WG4	RAN4
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Status: noted

9.4.2 Discussions on decisions from RAN WG4

RP-110313	Disc	On how to address RAN4 overload on new bands & band combinations	Qualcomm Incorporated
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RAN chair: This addresses the rel-11 new band combinations work.

➔ Have offline discussion on this and this will be addressed in June plenary. This kind of proposals will be treated on June.

- with respect to the sentence “approve all WIs” in the conclusions of the document ➔ approval or not of WI will be based on the discussion.

Deutsche Telekom: Problem in RAN4, is that all band combinations are handled separately.

➔ Generic issues to be handled in a generic way.

AT&T: Agrees with Deutsche Telekom and also there are some bands that can be merged but this can only be known when the work starts on these bands.

Telecom Italia: it is the scope of the current generic work in rel-10 CA to derive common rules to be used for the different band combinations. Is that the correct understanding ?

Nokia: This was the intention originally. But in practice, there was delays due to work load w.r.t to the time plan. RAN4 focused on Intra-band contiguous work but the work on Inter-band in the generic cases didn't really progressed.

Telecom Italia: put on priority that RAN4 finishes the generic combinations from now to June to have a common baseline to insure avoiding duplication of work in rel-11.

Orange: supportive of some of Qualcomm points, in particular having balance between regions.

- on the generic requirements: inter-band is missing in rel-10 and should be prioritized until June. However it would be difficult to derive specific requirements from these generic requirements for specific combinations. (Combination in inter-band generic case is high – low but there are combinations which are low-low or high-high).

US cellular: concurs with Qualcomm presentation and most of the proposed can be done offline.

Verizon: it is clear that there is a common understanding that on the coming 3 months we should focus on the generic requirement to have CA finished for rel-10. However, the inter band case, band 1 band 5, didn't progress much in the past year even though there was no agreement to deprioritize this combination and if we continue in the same way even in June we can be in the situation that inter-band work didn't progress.

We need to discuss in the RAN plenary how to progress the work.

RAN chair: We should stick to the generic scenario or we will not finish any thing by June.

CMCC: just postpone the discussion until next meeting will not help much. may be request RAN4 to provide input to the next RAN plenary

RAN chair: RAN4 will be very busy finishing the rel-10 work. Companies are invited to submit ideas for the next meeting.

Qualcomm: no intention to conclude any thing in this meeting. Can we at least try to agree that we will establish some process and it will not be first come first served ?

RAN guidance: to be discussed with the RAN4 leaders and this will be used as the starting point for a discussion on the RAN reflector.

Lorenzo (Qualcomm) will lead the discussion.

A F2F discussion took place this week.

Status: Noted

RP-110388	Disc	Prioritization of RAN4 work	RAN4 chairman (Fujitsu)
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Huawei: in slide1, the last bullet, why do we need to carry on the SI on e850 ? the Upper part WI is already approved and the other for lower part will be approved. There will not be any other generic band to be out of this SI.

- On slide 4: what is meant by “(very limited exception chair discretion)”?

RAN4 chair: the Status report for e850 will be reviewed and if RAN agrees to close the SI then it is fine. Agenda will be based on the consequences of this discussion.

- on the meaning of the sentence, this slide captures an example: for example response to an already submitted document.

Ericsson: generally agrees with the proposal.

- slide 2: in bullet 4 (i.e. RF items subject to ITU-R submission), we should specify that for UL-MIMO it is for core requirements.
- Regarding eDL MIMO, all the core part is completed. Thus for ITU-R we are done. → This can be taken out.
- General comment for the performance: it is agreed that we need to define the framework by June. We need to make sure that RAN4 completes the framework as intended.
- e850: RAN didn't decide yet on the approval of the lower part. Also, there are some co-existence issues that needs to be addressed thus it is important to complete the lower part under the SI.

NSN: - The agenda should only contain the points that will be treated on the meeting week. Companies need to prepare for the subjects that are treated and responses to other companies contributions. So a subject is either in the agenda or out.

- Why do we need to review the proposal in the RAN4 reflector ? all interested parties are present here so we can decide.

ALU: is slide 3 the slide that defines the way forward? Some Core items are missing from the prioritization in Slides 3 and 4.

RAN4 chair: → to comment from Nokia: agenda will be fixed on Friday next week.

- Review by RAN4 is needed because some companies are not present here (e.g. Japanese companies)
- to question from ALU: This is the list to be handled in Shanghai. The list of priority.

Qualcomm: slide 6 states that priority is given to open issues in rel-10 core and performance and in slide 3 says priority for RRM corresponding to RF. what about those subjects that does not have an RF part (e.g. eICIC)? There are important WI that need to be finalized and that do not have a RF corresponding part.

Huawei: on the discussion about core and performance requirements, it depends on the meeting arrangement. If we have parallel sessions there is no point taking the performance out from the agenda.

Nokia: slide 1: what is the motivation of keeping MIMO-OTA wrt to the earlier discussion stating to only accept the essential corrections and rel-10? it takes a lot of the meeting time. This create a grey area that opens door for more requests.

Telecom Italia: Take the decision here and not send this to RAN4 reflector.

Motorola (RAN4 vice chair): do we need to send this to RAN4 for comment? the danger is that companies will be coming with proposals and request these to be added to the agenda.

RAN4 chair: - MIMO OTA will have an additional ad-hoc physical meeting and will only have a small portion of the main meeting time.
- If there are Concerns to review this in the RAN4 reflector, then we can use the RAN reflector.

Deutsche Telekom: the working procedure in 3GPP is that the chair sets the agenda. RAN guides him on the priority but it is the chairman's responsibility, with the support of the leadership team, to set the agenda.

RAN chair: this should be considered as a guideline not an agenda for RAN4.

Status: revised in 389

RP-110389	Disc	Prioritization of RAN4 work	RAN4 chairman (Fujitsu)
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LG: why is B5/B8 co-existence for Korea is listed as TEI ?

RAN4 chair: The SI was not approved when this document was prepared. → Few more changes to be expected in the final agenda that will be based on the outcome of this RAN meeting.

ALU: on slide 2: would like to clarify if this is the list of core items to be treated next meeting?
Hhave in mind the eICIC WI for example which is not listed as part of the Core work.

Ericsson: why is performance part considered in the bullet for ITU submissions? Only core part should be considered for that.

Motorola: this is Right, only core part is of interests for ITU-R. However what is listed here is the core part for ITU-R and performance part that are done in parallel. The following slide presents the details.

Ericsson: concern about the performance part: in Slide 2 we need to make it clear that for MIMO UL only the core part is considered.

RAN4 chair: we should concentrate on the core part. but we will also carry some work on the performance part.

Huawei: - It is ok to put priority on core part. However as we are having parallel sessions, there is no reason to remove the performance parts from the agenda.
- slide 6: clarification on the email thread.

RAN4 chair: no decision making on the email thread. Only to progress the discussion.

Agreement:

➔ **This guidance to RAN4 is endorsed.**

➔ **Agenda for the coming meeting to be derived based on this guidance.**

Status: endorsed

RP-110391	Approval (way forward)	RAN4 bands and band combinations overload	Qualcomm
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TeliaSonera: we should clearly state that these are not decisions or conclusions but rather only examples or this can be miss-interpreted.

Qualcomm: agrees with that and it is stated at the beginning of the slide that these are examples.

Huawei: is not ready to agree or endorse this document. it can be considered a baseline for further discussion but this can not be endorsed as it states that we will set a Priority but it is hard to agree on a criteria for this prioritization.

Telecom Italia: is this prioritization will be done in RAN4 or in RAN ?

RAN chair: RAN plenary (RAN 52).

US cellular: following on the comment from TeliaSonera on the examples, proposes to move the second and third bullet to sub-bullets.

Orange: this document is paving the way but still not a complete guideline. As it is partial and does not give the prioritization criteria can be misleading in RAN4. ➔ No endorsement, only minute this in the RAN report and continue the discussion until next plenary.

CMCC: agrees with orange to capture all the text in the way forward. We can capture the “headline”—the three top level bullets in the RAN meeting minutes and endorse them at RAN level.

RAN4: 1st and 3rd upper bullets are interesting for RAN4.

Endorsed way forward:

- **RAN4 to work on a framework for RAN #52.**
- **RAN #52 will do prioritization among band combinations**
- **RAN4 capacity assessment**

Status: Noted

9.4.3 Approval of CRs to Rel99, Rel-4, Rel-5, Rel-6 and Rel-7 with linked CRs

RP-110334	CR	Rel-7 maintenance CRs for 25.123 Spec.	RAN4
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Status: approved

RP-110335	CR	maintenance CRs for 25.102 Spec.	RAN4
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Status: approved

9.4.4 Approval of CRs to Rel-8

9.4.4.1 CRs for LTE [LTE-RF]

RP-110336	CR	maintenance CRs for LTE OOB and Spurious emissions	RAN4
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Status: approved

RP-110337	CR	Rel-8 maintenance CRs for LTE power tolerance	RAN4
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Status: approved

RP-110338	CR	Rel-8 maintenance CRs for other LTE RF aspects	RAN4
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Status: approved

RP-110339	CR	Rel-8 maintenance CRs for LTE RRM: Cell reselection	RAN4
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Status: approved

RP-110340	CR	Rel-8 maintenance CRs for LTE RRM	RAN4
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Status: approved

9.4.4.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI8]

RP-110341	CR	Rel-8 small Technical Enhancements and Improvements: RF CRs	RAN4
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Status: approved

RP-110342	CR	Rel-8 small Technical Enhancements and Improvements: RRM CRs	RAN4
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Status: approved

9.4.5 Approval of CRs to Rel-9

9.4.5.1 CRs related to LTE

RP-110343	CR	Rel-9 maintenance CRs for LTE	RAN4
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Status: approved

9.4.5.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI9]

RP-110344	CR	Rel-9 small Technical Enhancements and Improvements CRs	RAN4
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Status: approved

RP-110345	CR	Rel-9 CRs for Dual-Cell UL and DL HSPA	RAN4
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Status: approved

RP-110346	CR	Multi-band for Dual-cell HSDPA Rel-9 CRs	RAN4
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Status: approved

RP-110347	CR	Rel-9 CRs for Enhanced Home NodeB / eNodeB	RAN4
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Status: approved

RP-110348	CR	Rel-9 CRs for Positioning Support for LTE	RAN4
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Status: approved

RP-110349	CR	Rel-9 CRs for Enhanced Dual-Layer transmission for LTE	RAN4
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Status: approved

9.4.6 Approval of linked CRs where the leading one originated from RAN WG4

9.5 TSG RAN WG5

9.5.1 Report from RAN WG5 including report on actions required from the previous meeting

RP-110029	Report	Status Report RAN WG5	RAN5 Chairman (NTT DOCOMO)
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NII holding: clarification on the progress of the work in WI 3500MHz.

RAN5 Chair: there was some progress in the TDD side. And waiting for the RAN4.

Status: Noted

RP-110031	Report	Status Report MCC TF160 (for Approval)	MCC TF 160 Leader
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RAN chair: slide 5, MCC is requesting another 3,7 mm. please consider this and if you can contribute please contact Phil or Shicheng.

Status: approved

RP-110030	Info	List of CRs from RAN WG5	RAN5
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Status: revised in 0362

RP-110362	Info	List of CRs from RAN WG5	RAN5
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Status: Noted

9.5.2 Discussions on decisions from RAN WG5

9.5.3 Approval of CRs to Rel99, Rel-4, Rel-5, Rel-6 and Rel-7 with linked CRs

RP-110152	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 99 Conformance Testing(TEI_ Test)	TSG WG RAN5
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Status: approved

RP-110153	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-4 Conformance Testing(TEI4_ Test)	TSG WG RAN5
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Status: approved

RP-110154	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-5 Conformance Testing(TEI5_ Test)	TSG WG RAN5
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Status: approved

RP-110155	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 6 Conformance Testing(TEI6_ Test)	TSG WG RAN5
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Status: revised in 373

RP-110373	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 6 Conformance Testing(TEI6_ Test)	TSG WG RAN5
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Status: approved

RP-110156	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-7 Conformance Testing(TEI7_ Test)	TSG WG RAN5
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Status: approved

9.5.4 Approval of CRs to closed Rel-8 & REL-9 Wis

9.5.4.1 CRs for LTE [LTE-UEConTest_RF, LTE-UEConTest_SIG]

RP-110157	CR	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 1)	TSG WG RAN5
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Status: approved

RP-110158	CR	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 2)	TSG WG RAN5
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Status: approved

RP-110159	CR	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 3)	TSG WG RAN5
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Status: approved

RP-110160	CR	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications	TSG WG RAN5
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		(LTE-UEConTest_RF) (Batch 4)	
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Status: withdrawn

RP-110161	CR	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 1)	TSG WG RAN5
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Status: approved

RP-110162	CR	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 2)	TSG WG RAN5
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Status: approved

RP-110163	CR	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 3)	TSG WG RAN5
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Status: approved

RP-110164	CR	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 4)	TSG WG RAN5
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Status: approved

9.5.4.2 Other Closed Work Items and Small Technical Enhancements and Improvements [TEI8_Test, TEI9_Test]

RP-110165	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-8 Conformance Testing(TEI8_Test)	TSG WG RAN5
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Status: approved

RP-110166	CR	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-9 Conformance Testing(TEI9_Test)	TSG WG RAN5
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Status: approved

9.5.5 Approval of linked CRs where the leading one originated from RAN WG5

RP-110167	CR	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A	TSG WG RAN5
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Status: approved

RP-110168	CR	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (TTCN), Annex A	TSG WG RAN5
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Status: approved

RP-110169	CR	CR to 34.229-3 (prose) update to v860	TSG WG RAN5
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Status: approved

RP-110170	CR	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	TSG WG RAN5
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Status: approved

RP-110171	CR	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (TTCN), Annex A	TSG WG RAN5
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Status: approved

10 Open Conformance Testing Work Items (Rel-7 and beyond)

10.1 Conformance test aspects – UMTS-LTE 3500

10.1.1 Conformance test aspects – LTE 3500 [LTE-UEConTest_LTE3500]

RP-110032	Report	Status report for WI Conformance test aspects – LTE 3500: Ericsson	RAN5
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Completion level: 30%

Completion date: September 2011

Status: Noted

RP-110172	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – LTE3500 (LTE-UEConTest_LTE3500)	TSG WG RAN5
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Status: approved

10.1.2 Conformance test aspects – UMTS 3500 [RInImp-UEConTest_UMTS3500]

RP-110033	Report	Status report for WI Conformance test aspects – UMTS 3500: Ericsson	RAN5
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Completion level: 5%

Completion date: September 2011

Status: Noted

RP-110386	WID	WID update : Conformance test aspects – UMTS 3500	Ericsson
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Status: approved

10.2 Conformance test part: Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements [FW_CPE_RF-UEConTest]

RP-110034	Report	Status report for WI Conformance test part: Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements: Verizon Wireless	RAN5
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See discussion on RP-110250.

Status: Noted (decision on stopping the WI is postponed to next plenary)

10.3 Conformance Test Aspects – LTE Positioning [LCS_LTE_UEConTest]

RP-110035	Report	Status report for WI Conformance Test Aspects – LTE Positioning: Alcatel-Lucent	RAN5
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Number of open issues increased so the completion level decreased.

Completion level: 50%

Completion date: September 2011

Status: Noted

10.4 AGNSS test case development for UMTS [AGNSSTest_UTRAN]

RP-110036	Report	Status report for WI AGNSS test case development for UMTS: Thales	RAN5
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Completion level: 85%

Completion date: June 2011

Status: Noted (extension of date is approved)

RP-110173	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – AGNSS test case development for UMTS (AGNSSTest_UTRAN)	TSG WG RAN5
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Status: approved

RP-110190	TS	Presentation of TS 34.172 for approval	Spirent Communications
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Status: approved

10.5 Conformance Test Aspects - CT1 aspects of IMS Emergency Calls over GPRS and EPS [IMS_EMER_GPRS_EPS_UEConTest]

RP-110037	Report	Status report for WI Conformance Test Aspects - CT1 aspects of IMS Emergency Calls over GPRS and EPS: Samsung	RAN5
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Completion level:50%

Completion date: December 2011

Extension of the date is requested.

Status: Noted (Extension date is approved)

RP-110174	CR	RAN5 agreed non TTCN CR(s) under WI Conformance Test Aspects – CT1 aspects of IMS Emergency Calls over GPRS and EPS (IMS_EMER_GPRS_EPS_UEConTest)	TSG WG RAN5
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Status: approved

10.6 Conformance Test Aspects – Multiple Band and Multiple Frequency operation for LCR TDD [LCRTDD_MB_MF_UEConTest]

RP-110038	Report	Status report for WI Conformance Test Aspects – Multiple Band and Multiple Frequency operation for LCR TDD: CATR	RAN5
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Completion level: 40%

Completion date: December 2011

Status: Noted (Completion date and level approved)

RP-110175	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Multiple Band and Multiple Frequency operation for LCR TDD (LCRTDD_MB_MF_UEConTest)	TSG WG RAN5
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Status: approved

10.7 Conformance Test Aspects – Enhanced Dual-layer transmission for LTE TDD [LTEimp-eDL_UEConTest]

RP-110039	Report	Status report for WI Conformance Test Aspects – Enhanced Dual-layer transmission for LTE TDD: China Mobile	RAN5
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Completion level: 70%

Completion date: June 2011

Extension of date to June is requested.

Status: Noted (Completion date extension approved)

RP-110176	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Enhanced Dual-layer transmission for LTE TDD (LTEimp-eDL_UEConTest)	TSG WG RAN5
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Status: approved

10.8 Conformance Test Aspects – Combination of DC-HSDPA with MIMO [RANimp-DC_MIMO_UEConTest]

RP-110040	Report	Status report for WI Conformance Test Aspects – Combination of DC-HSDPA with MIMO: Ericsson	RAN5
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Completion level: 80%

Completion date: June 2011

Status: Noted (Completion level and date approved)

RP-110177	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Combination of DC-HSDPA with MIMO (RANimp-DC_MIMO_UEConTest)	TSG WG RAN5
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Status: approved

10.9 Conformance Test Aspects – Home NB enhancements for FDD [EHNb-UTRA_FDD_UEConTest]

RP-110041	Report	Status report for WI Conformance Test Aspects – Home NB	RAN5
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		enhancements for FDD: Huawei	
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Completion level: 50%

Completion date: Dec 2011

Maintain the completion date.

Status: Noted (Completion level and date approved)

RP-110178	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home NB enhancements for FDD (EHNB-UTRA_FDD_UEConTest)	TSG WG RAN5
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Status: approved

10.10 Conformance Test Aspects – Home eNB enhancements [EHNB-LTE_UEConTest]

RP-110042	Report	Status report for WI Conformance Test Aspects – Home eNB enhancements: Qualcomm	RAN5
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Completion level: 20%

Completion date: sept 2011

Status: Noted (Completion level and date approved)

RP-110179	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home eNB enhancements (EHNB-LTE_UEConTest)	TSG WG RAN5
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Status: revised in 0363

RP-110363	CR	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home eNB enhancements (EHNB-LTE_UEConTest)	TSG WG RAN5
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Status: Approved

10.11 Conformance Test Aspects – MBMS support in LTE [MBMS_LTE-UEConTest]

RP-110043	Report	Status report for WI Conformance Test Aspects – MBMS support in LTE: Huawei	RAN5
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Status: revised in 0325

RP-110325	Report	Status report for WI Conformance Test Aspects – MBMS support in LTE: Huawei	RAN5
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Completion level: 5%

Completion date: Dec 2011

Requested to move the date to Dec 2011 (instead of March 2012)

Status: Noted(completion date change approved)

10.12 Conformance Test Aspects: Small Technical Enhancements and Improvements for Rel-9 [TEI9_Test]

11 Work Items with target Rel-10 (not related to conformance testing)

11.1 Closed REL-10 work items and TEI10 CRs

11.1.1 1.28 Mcps TDD Repeater [RANimp-Repeaters1.28TDD]

11.1.2 1.28Mcps TDD Home NodeB RF requirements

11.1.2.1 Core part [HNB_LCRTDD_RF-Core]

11.1.2.2 Performance part [HNB_LCRTDD_RF-Perf]

11.1.3 Performance Requirements for two-antenna 1.28Mcps TDD Type 1 & 2 UE receiver

11.1.3.1 Core part [2ant_UE_LCR_TDD-Core]

11.1.4 LTE TDD in 2600MHz for US (Region 2)

11.1.4.1 Core part [LTE_TDD_2600_US-Core]

RP-110350	CR	CRs for LTE TDD in 2600MHz for US (Region 2) ,Core part	RAN4
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Status: approved

11.1.4.2 Performance part [LTE_TDD_2600_US-Perf]

11.1.5 AGNSS Minimum Performance for UTRAN [AGNSSPerf_UTRAN]

RP-110044	Report	Status report for WI AGNSS Minimum Performance for UTRAN: Thales	RAN4
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Status: withdrawn

RP-110351	CR	CR for AGNSS Minimum Performance for UTRAN	RAN4
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Status: approved

11.1.6 1.28Mcps TDD Multi-carrier HSUPA [TDD_MC_HSUPA]

RP-110253	CR	CR to 25.222 for MC HSUPA for 1.28Mcps TDD	TSG RAN WG1
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Status: approved

RP-110275	CR	Agreed RAN2 CRs for 1.28 Mcps TDD Multi-carrier HSUPA	RAN2
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Status: approved

RP-110224	CR	TDD Multicarrier HSUPA CRs	RAN3
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Status: approved

11.1.7 MU-MIMO for 1.28Mcps TDD

11.1.7.1 Core part [MUMIMO_LCR_TDD-Core]

RP-110276	CR	Agreed RAN2 CR for MU-MIMO for 1.28Mcps TDD (core part)	RAN2
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Status: approved

11.1.8 Interfrequency detected set measurements for UMTS [Interf_dset_meas_UMTS]

RP-110277	CR	Technically endorsed RAN2 CRs on Introduction of a capability indication for the Inter-frequency Detected Set feature	RAN2
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Status: approved

11.1.9 Small Technical Enhancements and Improvements for Rel-10 [TE10]

RP-110262	CR	Addition of new terms and abbreviations	MCC
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Qualcomm: some RAN3 aspects need to be discussed. Will be pointed offline to MCC.

Status: revised in 428

RP-110428	CR	Addition of new terms and abbreviations	MCC
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Status: endorsed

RP-110254	CR	CR to 36.211/36212 for corrections on UE behavior	TSG RAN WG1
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Status: approved

RP-110255	CR	CR to 36.213 for a clarification for redundancy version of PMCH	TSG RAN WG1
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Status: approved

RP-110278	CR	Agreed RAN3 CRs to RAN2 TS 36.300 for Local IP Access and Selected Internet IP Traffic Offload	RAN2
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Status: approved

RP-110279	CR	Agreed RAN2 CRs for Technical small enhancements and improvements for REL-10 related to UTRA	RAN2
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Status: approved

RP-110280	CR	Agreed RAN1/RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Technical small enhancements and improvements for REL-10 related to LTE	RAN2
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R2-110808 is pushed back to RAN2.

All other CRs are approved.

Status: Partially approved (R2-110808 is not approved)

RP-110225	CR	TEI10 CRs, set 1	RAN3
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Status: approved

RP-110226	CR	TEI10 CRs, set 2	RAN3
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Status: approved

RP-110227	CR	LIPA CRs	RAN3
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Status: approved

RP-110352	CR	Rel-10 Small Technical Enhancements and Improvements CRs	RAN4
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Status: approved

11.2 Open UTRA related Wis

11.2.1 UE Over the Air (Antenna) conformance testing methodology- Laptop Mounted Equipment Free Space test [UEAnt FSTest]

RP-110045	Report	Status report for WI UE Over the Air (Antenna) conformance testing methodology- Laptop Mounted Equipment Free Space test: CATR	RAN4
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Completion level: 70%

Completion date: September 2011

Status: Noted (Completion level and date are approved)

RP-110353	CR	CRs for "UE Over the Air (Antenna) conformance testing methodology- Laptop Mounted Equipment Free Space test" WI	RAN4
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Status: approved

11.2.2 Four carrier HSDPA

11.2.2.1 Core part [4C HSDPA-Core]

RP-110046	Report	Status report for WI Core part: Four carrier HSDPA: Qualcomm	RAN1
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Completion level: 100%

Completion date: March 2011

Proposal to close the WI.

Status: Noted (closure of the WI approved).

RP-110228	CR	Four carrier HSDPA CRs	RAN3
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Status: approved

RP-110281	CR	Agreed RAN2 CR for Four carrier HSDPA (core part)	RAN2
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Status: approved

RP-110354	CR	CRs for Four carrier HSDPA, Core part	RAN4
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Status: approved

11.2.2.2 Performance part [4C_HSDPA-Perf]

RP-110047	Report	Status report for WI Performance part: Four carrier HSDPA: Qualcomm	RAN4
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Completion level: 20%

Completion date: June 2011

Status: Noted (Completion level and date are approved)

11.2.3 Inclusion of “RF Pattern Matching Technologies” as positioning method in the UTRAN

11.2.3.1 Core part [LCS_UMTS_RFPMT-Core]

RP-110048	Report	Status report for WI Core part: Inclusion of “RF Pattern Matching Technologies” as positioning method in the UTRAN: Polaris Wireless	RAN2
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Completion level: 100%

Completion date: March 2011

Proposal to close the WI.

Status: Noted (closure of the WI approved).

RP-110229	CR	RF Pattern Matching Technologies CRs	RAN3
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Status: approved

11.2.4 MU-MIMO for 1.28Mcps TDD

11.2.4.1 Performance part [MUMIMO_LCR_TDD-Perf]

RP-110049	Report	Status report for WI Performance part: MU-MIMO for 1.28Mcps TDD: CATT	RAN4
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Completion level: 20%

Completion date: June 2011

Status: Noted (Completion level and date are approved)

11.2.5 Performance Requirements for two-antenna 1.28Mcps TDD Type 1 & 2 UE receiver

RP-110207	Exception RS	RAN4 work item exception “Performance Requirements for two-antenna 1.28Mcps TDD Type 1 and Type 2 UE receiver”	TD Tech
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Status: Revised in 0314

RP-110314	Exception RS	RAN4 work item exception “Performance Requirements for two-antenna 1.28Mcps TDD Type 1 and Type 2 UE receiver”	TD Tech
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Status: Withdrawn

11.2.5.1 Performance part [2ant UE LCR TDD-Perf]

RP-110050	Report	Status report for WI Performance part: Performance Requirements for two-antenna 1.28Mcps TDD Type 1 & 2 UE receiver: TD Tech	RAN4
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Completion level: 60%

Completion date: June 2011

Extension to June requested

Status: Noted (Extension date to June is accepted)

11.2.6 Support of New Band Combinations for Dual-Band Dual Cell HSDPA

11.2.6.1 Core part [DB_DC_HSDPA-Core]

RP-110051	Report	Status report for WI Core part: Support of New Band Combinations for Dual-Band Dual Cell HSDPA: AT&T	RAN4
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Completion level: 95%

Completion date: June 2011

Extension to June requested

Status: Noted (Extension date to June is accepted)

RP-110132	Exception RS	Support of New Band Combinations for DB_DC_HSDPA-Core	AT&T
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Deutsche Telekom: Impacted specs includes specs for BS. Is there an impact on BS.

AT&T: BS is closed. There is no impact.

Deutsche Telekom: then we need to remove the BS specs from the impacted specs.

RAN4 chair: As agreed for RP-110196, we should also expect a CR for 25.317

Revised to capture this

Status: revised in 399

RP-110399	Exception RS	Support of New Band Combinations for DB_DC_HSDPA-Core	AT&T
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Status: Approved without presentation

RP-110355	CR	CRs for the Support of New Band Combinations for Dual-Band Dual Cell HSDPA Core part	RAN4
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Motorola: we should be careful when we don't approve all CRs as a set.

Ericsson: Postponing CRs requires a lot of revisions and represent them again based on the latest version of the spec which is an unnecessary increase of overload. Issues are not very big, so recommendation is to approve this CR.

RAN4 chair: For the UE most of the work is completed. So suggest to approve the

Nokia: We should be careful when we don't approve all in one go. If we make an exception in this case we should make clear this a special case and should not be the rule.

Status: approved

RP-110196	TS	TS 25.317: Requirements on User Equipments (UEs) Supporting a release-independent frequency band combination	Nokia Siemens Networks,
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Proposal: Both rel-9 and rel-10 versions to be created. Then a RAN2 CR will be presented that will remove band combinations 4 and 5, which were introduced in REL-10.

Qualcomm: preference is to no handle it in this way. Preference is to have a rel-10 version only.

NSN: This was the conclusion from a long discussion including MCC.

Qualcomm: Ok to keep it

➔ **TR is approved for Both rel-9 and rel-10 versions to be created. Then a RAN2 CR will be presented that will remove band combinations 4 and 5, which were introduced in REL-10.**

Status: approved

11.2.7 MIMO operation with non-MIMO coexistence in HSDPA

11.2.7.1 Core part [MIMO_HSDPA-Core]

RP-110052	Report	Status report for WI Core part: MIMO operation with non-MIMO coexistence in HSDPA: Qualcomm	RAN4
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Completion level: 75

Completion date: june 2011

Extension to June requested

Status: Noted (Extension date approved)

RP-110304	Exception RS	Rel-10 Work Item Exception for MIMO operation with non-MIMO coexistence in HSDPA: Core part	Qualcomm Inc
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Motorola: Should this topic also be added to RAN4 agenda for April ?

RAN4 chair: yes this is the understanding.

➔ to be included in RAN4 agenda

Status: approved

11.2.7.2 Performance part [MIMO_HSDPA-Perf]

RP-110053	Report	Status report for WI Performance part: MIMO operation with non-MIMO coexistence in HSDPA: Qualcomm	RAN4
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Completion level: 80%

Completion date: June 2011

Status: Noted (Completion date and level approved)

RP-110356	CR	CR for MIMO operation with non-MIMO coexistence in HSDPA	RAN4
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It contains two CRs for MDT.

Will be revised to remove them and create a separate package for MDT CRs.

Status: revised in 407

RP-110407	CR	CR for MIMO operation with non-MIMO coexistence in HSDPA	RAN4
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Status: approved

11.2.8 Automatic Neighbour Relation (ANR) for UTRAN

11.2.8.1 Core part [ANR UTRAN-Core]

RP-110054	Report	Status report for WI Core part: Automatic Neighbour Relation (ANR) for UTRAN: ZTE	RAN3
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Status: Revised in 298

RP-110298	Report	Status report for WI Core part: Automatic Neighbour Relation (ANR) for UTRAN: ZTE	RAN3
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Completion level: 85%

Completion date: June 2011

Extension to june requested

Status: Noted (Extension to june approved)

RP-110125	Exception RS	Exception Sheet for WI "Automatic Neighbour Relation (ANR) for UTRAN"	ZTE
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Status: Revised in 299

RP-110299	Exception RS	Exception Sheet for WI "Automatic Neighbour Relation (ANR) for UTRAN"	ZTE
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Status: approved

RP-110182	TS	3GPP TS 25.484 "Automatic Neighbour Relation (ANR) for UTRAN; Stage 2"	ZTE
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For information

Status: Noted

11.2.9 Enhancements of Iur-g interface – RAN part

RP-110149	LS in	LS on Enhancements of Iur-g interface	TSG GERAN
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Status: Noted

11.2.9.1 Core part [Iur-g-RAN]

RP-110055	Report	Status report for WI Core part: Enhancements of Iur-g interface – RAN part: ZTE	RAN3
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Completion level: 30%

Completion date: June 2011

Extension of the completion date to June requested

Status: Noted (Extension of completion date approved)

RP-110126	Exception RS	Exception Sheet for WI "Enhancements of Iur-g interface"	ZTE
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Status: Revised in 0300

RP-110300	Exception RS	Exception Sheet for WI "Enhancements of Iur-g interface"	ZTE
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Status: approved

11.3 Open UTRA & LTE related WIs

11.3.1 UMTS/LTE 3500 MHz [RInImp8-UMTSLTE3500]

RP-110017	LS in	LS on Status of work on UMTS/LTE 3500 MHz	TSG RAN WG4
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Status: withdrawn

RP-110056	Report	Status report for WI UMTS: LTE 3500 MHz: Ericsson	RAN4
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Completion level: 80%

Completion date: June 2011

RAN5 chair: is this both FDD and TDD ?

Ericsson: Yes

Status: Noted (extension of completion date approved)

RP-110111	Exception RS	Rel-10 Work Item Exception for UMTS/LTE 3500 MHz	Ericsson
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UK broadband: FDD is not feasible today. Should we put in the standard some thing that is not feasible?

RAN chair: this should be discussed in RAN4.

[Discussion on the reasons why LTE-A box is ticked.]

A simplification of the WI exception sheet: not sure an LTE-Advanced box is needed and thus should be removed.

Status: approved

RP-110357	CR	CRs for UMTS/LTE 3500 MHz	RAN4
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Status: approved

11.3.2 Minimization of drive tests for E-UTRAN and UTRAN

RP-110197	LS in	Reply LS on MDT UL measurements	TSG RAN WG1
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Status: noted

11.3.2.1 Core Part [MDT_UMTSLTE-Core]

RP-110057	Report	Status report for WI Core Part: Minimization of drive tests for E-	RAN2
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		UTRAN and UTRAN: Nokia Siemens Networks	
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Completion level: 90%

Completion date: June

Extension of completion date to June is requested.

Status: Noted (Extension of date to June approved)

RP-110194	Exception RS	Exception sheet for WI Core Part: Minimization of drive tests for E-UTRAN and UTRAN: Nokia Siemens Networks	Nokia Siemens Networks,
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RAN chair: LTE-Advanced box is not checked.

NSN: It is not technically needed for ITU-R submission.

Status: approved

RP-110230	CR	Minimization of drive tests CRs	RAN3
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Status: approved

RP-110282	CR	Agreed RAN3 CRs to RAN2 TS and agreed RAN2 CRs for Minimization of Drive Tests for E-UTRAN and UTRAN (core part)	RAN2
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Status: approved

RP-110408	CR	CRs for CR for Minimization of drive tests for E-UTRAN and UTRAN	RAN4
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Status: approved

11.3.3 HNB and HeNB Mobility Enhancements

11.3.3.1 Core part [HNB HENB mob enh-Core]

RP-110058	Report	Status report for WI Core part: HNB and HeNB Mobility Enhancements: Alcatel-Lucent	RAN3
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Completion level: 100%

Completion date: March 2011

Status: Noted (WI closed)

RP-110183	WID update	Update to WI HNB and HeNB Mobility Enhancements	Alcatel-Lucent
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Status: approved

RP-110231	CR	HNB and HeNB Mobility Enhancements CRs	RAN3
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Status: approved

RP-110283	CR	Agreed RAN3 CR to RAN2 TS 36.300 on Routing functionality for X2 handover between HeNB	RAN2
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Status: approved

RP-110184	TS	TS 25.471: Iurh Interface RNSAP User Adaption signalling Specification	Alcatel-Lucent
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Status: approved

11.3.4 Expanded 1900 MHz Band for UTRA and LTE

11.3.4.1 Core part [E1900-Core]

RP-110059	Report	Status report for WI Core part: Expanded 1900 MHz Band for UTRA and LTE: Sprint	RAN4
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Completion level: 90%

Completion date: June 2011

Extension to June requested

Status: Noted (extension approved to June)

RP-110134	Exception RS	Rel-10 Work Item Exception for Expanded 1900 MHz Band for UTRA and LTE	Sprint
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Deutsche Telekom: RLC is also not completed. We should have all the open issues listed.

Status: revised in 400

RP-110400	Exception RS	Rel-10 Work Item Exception for Expanded 1900 MHz Band for UTRA and LTE	Sprint
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Status: Approved without presentation

RP-110232	CR	Expanded 1900 MHz Band CRs	RAN3
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Qualcomm: preference is to approve all CRs together when work is finished in RAN4

Status: postponed

RP-110284	CR	Agreed RAN2 CRs for Expanded 1900 MHz Band for UTRA and LTE (core part)	RAN2
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Status: postponed

11.3.4.2 Performance part [E1900-Perf]

RP-110060	Report	Status report for WI Performance part: Expanded 1900 MHz Band for UTRA and LTE: Sprint	RAN4
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Completion level: 90%

Completion date: June 2011

Extension to June requested.

Status: Noted (extension of completion date approved)

11.3.5 Multi-standard radio BS RF requirements for non-contiguous spectrum deployments

RP-110019	LS in	LS on Status of the MSR-NC work item	TSG RAN WG4
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Status: noted

RP-110147	LS in	Reply LS to "LS on Status of the MSR-NC work item"	TSG GERAN WG1
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Status: noted

11.3.5.1 Core part [MSR_NC-Core]

RP-110061	Report	Status report for WI Core part: Multi-standard radio BS RF requirements for non-contiguous spectrum deployments: Ericsson	RAN4
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Completion level: 90%

Completion date: June 2011

Status: Noted (Extension and completion date approved)

RP-110110	Exception RS	Rel-10 Work Item Exception for MSR-NC	Ericsson
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Status: approved

11.3.5.2 Performance part [MSR_NC-Perf]

RP-110062	Report	Status report for WI Performance part: Multi-standard radio BS RF requirements for non-contiguous spectrum deployments: Ericsson	RAN4
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Completion level: 15%

Completion date: September 2011

MCC (Adrian): Information from GERAN is that they will finish in September. They are not presenting an exception sheet but they rely on the granted exception sheet to RAN4.

Status: Noted (Extension and completion date approved)

11.3.6 RAN mechanisms to avoid CN overload due to Machine-Type Communications [NIMTC-RAN_overload]

RP-110063	Report	Status report for WI RAN mechanisms to avoid CN overload due to Machine-Type Communications: Huawei	RAN2
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Completion level: 100% (subject to RAN decision on the CRs)

Completion date: March 2011

Status: Noted (WI closed)

RP-110015	LS in	Reply to C1-110757 on Provision of the RRC establishment cause "Delay tolerant"	TSG RAN WG2
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Status: Noted

RP-110206	Disc	Backward compatibility issues with MTC	NTT DOCOMO, INC.
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Vodafone: Charging was not included in the scope of the original WI. If we would like to consider charging optimization this would be a new WI.

Huawei: Backward compatibility issue from CN should be separated from backward compatibility from a RAN point of view. The CT1 solution should be completely transparent to RAN.

- some statements/analysis in this document are misleading (e.g. paragraph on alternative 1)

Ericsson: -supports Vodafone and Huawei.
 - backward compatibility was also discussed in RAN2 and that this should not introduce any inter-operability issue to LTE. Is the analysis for UMTS only or is it for UMTS and LTE ? and if it is also for LTE what would then this proposal from RAN2 become ?

NTT Docomo: For the UMTS solution, we have two technically endorsed CRs. One of them is backward compatible and the other one is not. For LTE, the endorsed CRs are both not backward compatible. One of them introduces a Spare and no indication on how to handle it in one way or the other. The CR from Vodafone that introduces restriction on how to handle spare requires some modification in the network.

Status: noted

RP-110233	CR	MTC CN overload CRs	RAN3
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Approved

RP-110234	CR	Technically endorsed stage-3 LTE CRs for the MTC discussion	RAN3
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R3-110938 is approved
 R3-110939 is rejected
Status: partially approved

RP-110285	CR	Technically endorsed RAN2 CRs related to Network Improvements for Machine-Type Communications for LTE	RAN2
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Only R2-111703 is approved
 All others are rejected

Status: Partially approved (Only R2-111703 is approved All others are rejected)

RP-110286	CR	Technically endorsed RAN2 CRs related to Network Improvements for Machine-Type Communications for UTRA	RAN2
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R2-111630 is approved.
 The other one is rejected

Vodafone: would like to have minuted in the report that vendors (including Ericsson, NSN, ALU, Huawei, Samsung, ZTE) have indicated that they have no problem with this CR, so that we should not see any re-discussion on this.

Samsung, ALU: the minutes should only capture what was said in the meeting and no such comment was made in the meeting.

Vodafone: requested then to capture their request above to capture their comment in the minutes.

Status: partially approved

11.3.6.1 Voting about Rel-10 MTC approaches

No voting is taking place.

11.3.7 Extending 850 MHz Upper Band (814 – 849 MHz)

11.3.7.1 Core part [e850_UB-Core]

RP-110064	Report	Status report for WI Core part: Extending 850 MHz Upper Band (814 – 849 MHz): Sprint	RAN4
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Completion level: 90%

Completion date: June 2011

Qualcomm: On the document it is stated that “*the sole open issue is the requirement that E850_UB meet band 5 reference sensitivity requirement*”. There are few more open issues.

Sprint: For 25.101, a CR was addressed in the last meeting. The UTRA BS issues was resolved. The remaining issues are around UTRA UE requirements.

Status: Noted (Extension and completion date approved)

Discussion on the CRs RP-110188 and RP-110189

RAN2 chair: We need to extend the signalling for band 26 and also other bands in UMTS. Only includes the reference to band 26. we can approve as a one step along with 0189.

Motorola (RAN4 vice chair): postpone to next meeting. there is discussion on UE-UE co-existence that would like to address (not specific to this band but applies also to many of the other bands as well).

Qualcomm: CR in 0189 is introducing the framework for extending bands in RRC spec. this was lengthily discussed (over 2 meetings) in RAN2 and came to a common understanding among companies and preference is to not re-discuss this in RAN2. This is not introducing a band. This is a signalling aspect.

→ proposal is to approve the CR now.

Motorola: we should separate the too CRs. One is introducing the mechanism in 0189 and one is specific to band 26.

Fujitsu: (general comment) in the Status report there is mention about RAN4 work but nothing about this RAN2 CR. → requests that more information is provided in the future.

RAN2 chair: 0189 was seen in the reflector and it should be agreeable.

RP-110133	Exception RS	Rel-10 Work Item Exception for E850 Upper band – Core	Sprint
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Deutsche Telekom: Task field should also include non-contentious issues that are still open.

Status: revised in 409

RP-110409	Exception RS	Rel-10 Work Item Exception for E850 Upper band – Core	Sprint
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Status: approved

RP-110188	CR	Band 26 addition for E850	Alcatel-Lucent
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Status: postponed

RP-110189	CR	Signalling for new band indicator 3	Alcatel-Lucent
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Status: approved

RP-110235	CR	Extending 850 MHz Upper Band CRs	RAN3
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Status: postponed

RP-110287	CR	Technically endorsed RAN2 CRs on Adding Extension of 850 MHz Upper Band (814 - 849 MHz) to TS 25.307	RAN2
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Status: postponed

RP-110358	CR	CRs for Extending 850 MHz Upper Band (814 – 849 MHz), Core part	RAN4
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Status: postponed

11.3.7.2 Performance part [e850 UB-Perf]

RP-110065	Report	Status report for WI Performance part: Extending 850 MHz Upper Band (814 – 849 MHz): Sprint	RAN4
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Completion level: 90%

Completion date: June 2011

Status: Noted (Extension and completion date approved)

11.4 Open LTE related Wis

11.4.1 Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements

11.4.1.1 Core part [FW CPE RF-Core]

RP-110066	Report	Status report for WI Core part: Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements: Verizon Wireless	RAN4
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Completion level: 55%

Completion date: June 2011 (March 2011 in the document)

Decision to be taking in the next meeting

Status: Noted (Put on hold (no activities on the WI in RAN4 and RAN5))

RP-110250	Disc	Way forward with Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements	Verizon
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Deutsche Telekom : there is no indication if this will be restarted in Rel-11 or not.

Verizon: main reason to stop this WI is work load in RAN4 and also other proponents were asked and there was no strong recommendation to continue the work. On the question if it will be continued in rel-11, this depends on the interest and if there is interest we can always open a Work Item.

NII holding: is interested in having CPE included in rel-11

UK broadband: also would like this WI to be included in rel-11

RAN chair: - postpone decision on this WI to the next plenary and:
- would like to see the new proposal for rel-11. If a it is new scope of the WI, then this WI will be stopped and a new WI will be approved.
- No activities in this WI until June.

RAN3 chair: agrees that we need to stop this WI and if people want to continue the work then they can bring a new WI proposal to the plenary next meeting, other ways we create a precedent where the proponent of a WI wants to stop the work and someone else jumps in and continues on . If the main proponent of WI wants to stop the WI than we should stop it.

RAN: we already did some work and a TR is created, if the new scope is the same then existing TR can be used.

Motorola: CPE is band specific, it is not clear how do we handle this. Will it include all bands or will we have a CPE WI per band?

Deutsche Telekom: TR contain CPE for band 13, we need to remove this if we go for CPE WI for all bands.

Motorola: there is no reason to remove, it is only captured in the TR and this is fine, this does not exist in the specification.

AT&T: what is the reason why Verizon would like to stop this WI?

Verizon: main reason is Work load in RAN4 and deployment scenarios not clear at this moment.
When deployment become clear and work load will become low, WI can be continued.

RAN: put on hold this work item. And depending on the new WI this WI will be stopped or continued in Rel-11.

Status: Noted (decision postponed until next meeting)

11.4.1.2 UE conformance testing part [FW_CPE_RF-UEConTest]

11.4.2 Enhanced Downlink Multiple Antenna Transmission for LTE

11.4.2.1 Core part [LTE_eDL_MIMO-Core]

RP-110067	Report	Status report for WI Core part: Enhanced Downlink Multiple Antenna Transmission for LTE: NTT DoCoMo	RAN1
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Completion level: 100%

Completion date: March 2011

WI is requested to be closed.

➔ No issues in RAN4.

Status: Noted (WI closed)

11.4.2.2 Performance part [LTE_eDL_MIMO-Perf]

RP-110068	Report	Status report for WI Performance part: Enhanced Downlink Multiple Antenna Transmission for LTE: NTT DoCoMo	RAN4
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Completion level: 30%

Completion date: June 2011

Status: Noted (completion level and date approved)

11.4.3 UL multiple antenna transmission for LTE

RP-110013	LS in	LS on phase continuity for UL MIMO	TSG RAN WG1
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Status: noted

11.4.3.1 Core part [LTE_UL_MIMO-Core]

RP-110069	Report	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1
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Status: revised in 375

RP-110375	Report	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1
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Completion level: 95%

Completion date: June 2011

Extension to June is requested

Discussion:

RAN4 chair: Understanding is that 4Tx will be postponed to rel-11 and other aspects should be concluded by June. In which case the WID should be updated. Is that the correct understanding?

Huawei: Our understanding is that RAN4 can complete the 2 Tx antenna by June. However, the 4Antenna may be delayed to rel-11

RAN4 chair: there is no work remaining in RAN4 for core part.

RAN chair: Impact of moving 4Tx to rel-11 ?

Huawei: 4Tx is not required for ITU-R submission, we can satisfy the requirements with 2TX at the UE. If we are not sure what to do now, We can continue on this until June and decide then in the next meeting.

Nokia: Situation is similar to CA. Issues that can not be handled in rel-10 will be moved to rel-11.
Not sure there is no core requirement for UE.

Ericsson: there is a need to update the rapporteur in the WID if we continue the work on this.

Huawei, MCC: according to MCC, there is no need for a WID update. The SR will capture the new rapporteur. Tdoc numbers were already asked for the update.

Revised in 394

RP-110394	Report	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1
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Approved without presentation

Status: Noted (Completion date extension is approved)

RP-110324	Exception RS	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei
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Status: revised in 376

RP-110376	Exception RS	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei
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Huawei: If RAN4 can not finish the 4Tx requirements then we delay this to rel-11 and remove it from the sheet.

Ericsson: it was agreed that RAN4 will define the requirements for 2Tx. We can remove 4Tx.

➔ removal of 4Tx from the exception sheet and thus it will be automatically moved to rel-11.

Status: revised in 395

RP-110395	Exception RS	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei
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Status: approved

RP-110288	CR	Agreed RAN2 CR on UE UL&DL MIMO Capabilities	RAN2
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Status: approved

11.4.3.2 Performance part [LTE_UL_MIMO-Perf]

RP-110070	Report	Status report for WI Performance part: UL multiple antenna transmission for LTE: Huawei	RAN4
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Completion level: 35%

Completion date: June 2011

Status: Revised in 0413

RP-110413	Report	Status report for WI Performance part: UL multiple antenna transmission for LTE: Huawei	RAN4
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Status: Noted (Completion date and level approved)

11.4.4 Carrier Aggregation for LTE

11.4.4.1 Core part [LTE_CA-Core]

RP-110071	Report	Status report for WI Core part: Carrier Aggregation for LTE: Nokia	RAN1
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Status: Revised in 387

RP-110387	Report	Status report for WI Core part: Carrier Aggregation for LTE: Nokia	RAN1
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Completion level: 90%

Completion date: June

Extension of the completion date to June is requested.

Ericsson: the completion level number proposed for RAN1 is optimistic. Open issues are still remaining (e.g. this issue on CA hetnet operation).

RAN: we will discuss the open issues on the exception sheet and decide which open issues are for rel-10 and which one to push for rel-11.

RAN: Completion date is approved as June

Status: Noted (Extension of the completion date is approved)

RP-110301	Exception RS	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks
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Status: revised in 411

RP-110411	Exception RS	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks
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Motorola: We are still working on intra-band CA and even for this it is not sure we will be able to conclude by June. Question is how to structure the work in ran4 ?

Nokia: do as much as possible and all RAN4 remaining issues will be pushed to Rel-11. Any way we need to establish a WI for the remaining issues for rel-11.

Motorola: all issue not completed by June will be added to the new WI?

Nokia: yes.

➔ Groups leader to decide on how to progress the work in RAN4. Based on the outcome Exception sheet should be revised.

RAN4-chair: RP-110302 is a good way forward. All fundamental aspect should be concluded by June and if necessary we will continue to maintain the rel-10 by mean of CRs.

RAN chair: we should stick to the completion date of all core rel-10 by June.

Status: revised in 414

RP-110414	Exception RS	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks
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Status: approved

RP-110302	Disc	Carrier Aggregation Core Requirement Completion	Nokia Corporation, Nokia Siemens Networks
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No time to take question or comments.

If there is any comment or question, it should be addressed to Sari from Nokia.

Status: noted

RP-110256	CR	Set of CRs for corrections to Rel-10 LTE-Advanced features	TSG RAN WG1
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Status: approved

RP-110289	CR	Agreed RAN2 CRs for Carrier Aggregation for LTE (core part)	RAN2
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Status: approved

RP-110290	CR	Agreed RAN2 CRs for Carrier Aggregation for LTE (core part), UL multiple antenna transmission for LTE (core part) and Enhanced Downlink Multiple Antenna Transmission for LTE (core part)	RAN2
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Status: approved

RP-110359	CR	Carrier Aggregation for LTE, Core part CRs	RAN4
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Status: approved

11.4.4.2 Performance part [LTE CA-Perf]

RP-110072	Report	Status report for WI Performance part: Carrier Aggregation for LTE: Nokia	RAN4
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Completion level: 30%

Completion date: September 2011 (June 2011 in the document)

➔ **Completion date Extended to September.**

Status: Noted (completion date is extended to September 2011)

11.4.5 Relays for LTE

RP-110011	LS in	LS on exception to SA WG3 to continue working on Relay Node	3GPP TSG SA
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LS some what out-to-date. (as all the assumptions changed)

Status: Noted

RP-110012	LS in	LS on Security for LTE relay nodes	TSG SA WG3
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Status: Noted

RP-110016	LS in	Reply LS on Security for LTE relay nodes	TSG RAN WG3
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AT&T: is the understanding from this exchange is that relay node is seen from a BS as a UE and the relay node sees the BS as eNodeB and thus the same security applies as for a normal UE?

RAN3 chair: SA3 suggested to introduce one other indicator on the S1 setup. RAN3 responded that this is not needed. We should not derive further conclusions a part from that.

Status: Noted

11.4.5.1 Core part [LTE_Relay-Core]

RP-110073	Report	Status report for WI Core part: Relays for LTE: Ericsson	RAN1
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Completion level: 83%

Completion date: June 2011

Status: Noted (Completion level and date are approved)

RP-110199	Exception RS	Rel-10 Work Item Exception for Relays for LTE	Ericsson
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Status: revised in 415

RP-110415	Exception RS	Rel-10 Work Item Exception for Relays for LTE	Ericsson
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Status: Approved without presentation

RP-110236	CR	Relays for LTE CRs	RAN3
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Status: approved

RP-110257	CR	CR to 36.216 for Rel-10 Relay feature	TSG RAN WG1
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Status: approved

RP-110291	CR	Agreed RAN2 CRs for Relays for LTE (core part)	RAN2
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Status: approved

11.4.5.2 Performance part [LTE_Relay-Perf]

RP-110074	Report	Status report for WI Performance part: Relays for LTE: Ericsson	RAN4
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Completion level: 25%

Completion date: September 2011

Status: Noted (completion level and date are approved)

11.4.6 Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE

11.4.6.1 Core part [eICIC LTE-Core]

RP-110075	Report	Status report for WI Core part: Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE: China Mobile	RAN1
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Completion level: 95%

Completion date: June 2011

Extension of completion date to june requested

Status: Noted (Completion date extension approved)

RP-110297	Exception RS	Rel-10 Work Item Exception for "Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE – Core part"	CMCC
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Status: approved

RP-110237	CR	Enhanced ICIC CRs	RAN3
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Status: approved

RP-110258	CR	CR on RLM Procedure/RSRQ measurements	TSG RAN WG1
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Status: approved

RP-110292	CR	Agreed RAN2 CRs for Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE (core part)	RAN2
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Status: approved

11.4.6.2 Performance part [eICIC LTE-Perf]

RP-110076	Report	Status report for WI Performance: Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE part: China Mobile	RAN4
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Completion level: 40%

Completion date: September (June 2011 in the document)

Status: Noted (Extension of completion date to September approved)

11.4.7 Adding 2 GHz band LTE for ATC of MSS in North America

11.4.7.1 Core part [S_Band_LTE_ATC_MSS-Core]

RP-110077	Report	Status report for WI Core part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4
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Status: revised in 329

RP-110329	Report	Status report for WI Core part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4
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Completion level: 90%

Completion date: June 2011

Extension to June requested

Status: Noted (extension date approved)

RP-110119	Exception RS	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks
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Status: revised in 0331

RP-110331	Exception RS	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks
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Deutsche Telekom: All open issues should be listed. RLC and Stage 3 are missing.

DBSD: this is only for LTE → no RLC needed

Ericsson: there is no impact on 36.331 → RLC not needed

Deutsche Telekom: stage 3 is missing even if it is not controversial. Open issues section on the documents should include all open issues even if they are not controversial.

RAN2 chair: exception is required only if CRs are expected. So open issues to be listed are the ones that will create a CR.

Motorola: open issues here are the ones listed in the document.

Status: revised in 401

RP-110401	Exception RS	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks
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Status: Approved without presentation

RP-110238	CR	2 GHz LTE for ATC of MSS in North America CRs	RAN3
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Status: postponed

11.4.7.2 Performance part [S Band LTE ATC MSS-Perf]

RP-110078	Report	Status report for WI Performance part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4
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Status: revised in 0330

RP-110330	Report	Status report for WI Performance part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4
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Completion level: 90%

Completion date: June

Status: Noted (Completion level and Date approved)

11.4.8 Adding L-Band LTE for ATC of MSS in North America

RP-110117	Report	LightSquared Status Report on Overload Characteristics of GPS Receivers in Proximity to Band 24 eNB.	LightSquared
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Ericsson: is fine to close the WI. However as there is still ongoing work on this GPS issue, the preference is that a SR is provided in June and September. This is because the deadline for FCC is some where in June after the next plenary and as this may have an impact on the RAN4 work, RAN4 should be kept aware of these decisions.

LightSquared: No problem to do provide a SR. However, all these resources are public and anyone can access them on the FCC website.

RAN chair: SR to be provided also next plenary.

Status: noted (WI Closed)

RP-110008	LS in	LS from The United States Global Positioning System (GPS) Industry Council	United States GPS Industry Council
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Status: noted

RP-110009	LS in	Liaison letter from GPS Industry Council (Final Letter)	United States GPS Industry Council
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Status: noted

RP-110114	LS in	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council
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Status: revised in 0312

RP-110312	LS in	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council
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RAN4 chair: LSs in RP-110008 and RP-110009 were already treated in RAN4.

RAN: procedure in 3GPP is that we will decide based on the comments from the 3GPP members. If no objection from a 3GPP member than these CRs will be approved and implemented in the spec. However offline discussion is encouraged. we still can come back if there is any conclusion in the 3GPP WGs.

Status: noted

11.4.8.1 Core part [L_Band_LTE_ATC_MSS-Core]

RP-110118	CR	Overload Characteristics of GPS Receivers in Proximity to LTE L-band Terrestrial Base Stations (BTS)	LightSquared
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RAN4: CR for the TR. Was not discussed due to lack of time. If no technical concern than the CR can be approved

Status: approved

RP-110311	CR	Requirement for Band 24 UE emission, co-exsiting with RNSS/GPS	LightSquared
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RAN4 chair: CR for the TS. This CR is a revision which was provided slightly late and thus due to lack of time it was not taken. Same handling: if not technical concern, then the CR can be approved.

- The work in RAN4 is completed.

Ericsson: No objection to approve the CR and close the WI. But would like to mention that there are some aspects which RAN4 still need to clarify. e.g. measurement period.

→ proposal is to keep the WI in the agenda of RAN4 for the coming meeting in order to resolve these details.

Nokia: would like the numbers to be between [], to allow RAN4 expert to make clarification.

This is for GPS. There is also Galileo satellites in proximity of this band and we need to check also for these.

LightSquared: - If the objective is to change these values, we should keep in mind that these requirements are coming from FCC.

- If it is on the way to convert FCC requirements to 3GPP spec then it is ok to revise the CR

- Ok to put []

RAN : we need to follow the FCC requirements.

Verizon: agrees with Nokia. Verizon also has some concerns on the CR:

- Is this conversion from FCC requirements is a valid conversion?
- also as E/// mentioned there are some open issues and some details that need to be fixed.
- Also this was brought to RAN4 in the last day of the meeting and only a few time in the reflector, so RAN4 didn't have time to investigate this.

LightSquared: - it is true that a revised version of the CR arrived in the last day but not the CR itself.
- request is to approve the CR with [].

Verizon: the current format is not the exact FCC format. The co-existence issue need to be addressed any way. Also the approval of this CR is independent from the WI closure or not. So sees no reason to rush the approval of this CR.

Status: postponed

RP-110360	CR	CRs for Adding L-Band LTE for ATC of MSS in North America, Core part	RAN4
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Status: approved

Discussion on the Way forward:

Motorola: Close the WI but request LightSquared to bring SR for the next plenary.

Qualcomm: if the CR is postponed and SR is to be brought to RAN next plenary. Why do we close the WI ?

LightSquared : this CR is not related to the WI. The WI is 100% complete.
- Ok to bring a SR to next plenary. Also FCC requirements are public and available in their website.

RAN chair: it is clear that we don't need to do any thing from a 3gpp point of view. We need only to get the outcome from FCC. Proposal is to keep the WI open (as a space-holder in the agenda) but no work is required.

Sharp: this proposal makes sense. Understanding is there is a CR still open. If WI is closed then how to do the required work.

NSN: this is not a first case where we close a WI and if there are correction then we do them. It is strange to keep a WI open if it is not clear if there is any thing to be done. If there is any thing to be changed then the CR will be handled in the WG and specification changed.

Agreement:

➔ **Work Item on L_bands is closed and LightSquared is required to provide a SR to the plenary.**

11.4.8.2 Performance part [L_Band_LTE_ATC_MSS-Perf]

RP-110079	Report	Status report for WI Performance part: Adding L-Band LTE for ATC of MSS in North America: LightSquared	RAN4
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Completion level: 15%

Completion date: June 2011

Status: Noted (completion date and approved)

11.4.9 LTE Self Optimizing Networks (SON) enhancements

11.4.9.1 Core part [SONenh_LTE-Core]

RP-110080	Report	Status report for WI Core part: LTE Self Optimizing Networks (SON) enhancements: Nokia Siemens Networks	RAN3
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Completion level: 85%

Completion date: June 2011

Extension to June requested

Status: Noted (extension of the completion date approved)

RP-110195	Exception RS	Exception sheet for WI Core part: LTE Self Optimizing Networks (SON) enhancements: Nokia Siemens Networks	Nokia Siemens Networks,
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Status: approved

RP-110239	CR	LTE SON enhancements CRs	RAN3
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Status: approved

RP-110293	CR	Agreed RAN3 CRs to RAN2 TS and RAN2 CR for LTE Self Optimizing Networks (SON) enhancements (core part)	RAN2
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Status: approved

11.4.10 LTE-Advanced Carrier Aggregation of Band 3 and Band 7

11.4.10.1 Core part [LTE_CA_B3_B7-Core]

RP-110081	Report	Status report for WI Core part: LTE-Advanced Carrier Aggregation of Band 3 and Band 7: TeliaSonera	RAN4
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Wrong agenda item. This is a rel-11 WI and should be moved to the rel-11 agenda item for the next meeting.

Completion level: 10%

Completion date: December 2011

The WI will be for Rel-11 (part of the agenda for the next plenary meeting).

Status: Noted (completion level and date approved)

11.4.10.2 Performance part [LTE_CA_B3_B7-Perf]

RP-110082	Report	Status report for WI Performance part: LTE-Advanced Carrier Aggregation of Band 3 and Band 7: TeliaSonera	RAN4
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Wrong agenda item. This is a rel-11 WI and should be moved to the rel-11 agenda item for the next meeting.

Completion level: 0%

Completion date: June 2012

The WI will be for Rel-11 (part of the agenda for the next plenary meeting).

Status: Noted (completion level and date approved)

11.4.11 Further enhancements to MBMS for LTE

11.4.11.1 Core part [MBMS_LTE_enh-Core]

RP-110083	Report	Status report for WI Core part: Further enhancements to MBMS for LTE: Huawei	RAN2
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Completion level: 100%

Completion date: March 2011

Closure requested

Status: Noted (WI closed)

RP-110240	CR	MBMS enhancements for LTE CRs	RAN3
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Status: approved

RP-110294	CR	Agreed RAN3 CRs to RAN2 TS and RAN2 CR for Further enhancements to MBMS for LTE (core part)	RAN2
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Status: approved

11.4.12 Service continuity in connected mode and location information for MBMS for LTE

11.4.12.1 Core part [MBMS LTE SC-Core]

RP-110084	Report	Status report for WI Core part: Service continuity in connected mode and location information for MBMS for LTE: Huawei	RAN2
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Completion level: 0%

Completion date: February 2012

Status: noted (extension of completion date approved)

RP-110217	WID update	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei
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Status: revised in 402

RP-110402	WID update	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei
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NSN: - has concerns with this reformulation. The scope is widely extended. This has large implications on the complexity and the amount of the work to be done on eMBMS.

- ➔ If extending then it should be as a new WI.
- What MME functionality would refer to ?

Huawei: What is new is only Counting of Idle UEs and Service continuity in idle.

Huawei: on MME: it is just a continuity of the work that started in ran3. preliminary work was done but it was not possible to conclude in rel-10 scope.

Alcatel Lucent: has concerns on the last-minute added changes on MME.

RAN3 chair: Specify for each bullet if discussion should be led by RAN2 or RAN3.

After offline discussion:

NSN: Come back to counting in the next meeting.

Leave time to companies to understand the counting introduced.

Huawei: two alternative:

- approve and minute that RAN2 should not work on the counting
- update the WID to delete the counting part

Ericsson: update the WID to contain the service continuity part.

ALU: Initial proposal from Huawei is sufficient to remove any confusion or miss-understanding.

Orange: keep the counting either in one way or the other.

LG: prefers option 2: update the WID delete the counting and discuss it in the next plenary.

NEC: what will we do after June plenary?

Huawei: More justification why counting is necessary and which explains that there is no complexity on implementing this.

Tentative hands-up: 6 for keeping WID and not work on counting vs. 3 for removal of counting from WID.

RAN2 chair: preference is to have a WID that reflects what need to be worked on.

RAN3 chair: give indication which group to work on which aspect.

➔ **RAN3 does not start the work and waits for RAN2.**

Status: revised in 452

RP-110452	WID update	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei
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➔ **Counting will be discussed in the next plenary.**

➔ **RAN3 does not start the work and waits for RAN2**

Status: approved

12 Work Items with target Rel-11 and beyond (not related to conformance testing)

12.1 Open UTRA related Wis

12.1.1 Eight carrier HSDPA

12.1.1.1 Core part: [8C_HSDPA-Core]

RP-110085	Report	Status report for WI Core part: Eight carrier HSDPA: Ericsson	RAN1
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Completion level: 10%

Completion date: June 2012

Status: Noted (Completion level and date approved)

12.1.1.2 Performance part: [8C_HSDPA-Perf]

RP-110086	Report	Status report for WI Performance part: Eight carrier HSDPA: Ericsson	RAN4
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Completion level: 0%

Completion date: Dec 2012

Status: Noted (Completion level and date approved)

12.1.2 UE demodulation performance requirements under multiple-cell scenario for 1.28Mcps TDD

12.1.2.1 Performance Part [LCR_TDD_UE_demod_mc-Perf]

RP-110087	Report	Status report for WI Performance Part: UE demodulation performance requirements under multiple-cell scenario for 1.28Mcps TDD: China Mobile	RAN4
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Completion level: 35%

Completion date: September 2011

Status: Noted (Completion level and date approved)

12.1.3 Uplink Transmit Diversity for HSPA [New WI: HSPA_UL_TxDiv]

12.1.3.1 Closed Loop Core Part [HSPA_UL_TxDiv-CL-Core]

RP-110088	Report	Status report for WI Closed Loop Core Part: Huawei	RAN1
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Completion level: 10%

Completion date: March 2012

Status: Noted (Completion date and level approved)

12.1.3.2 Closed Loop Performance Part [HSPA_UL_TxDiv-CL-Perf]

RP-110089	Report	Status report for WI Closed Loop Performance Part: Huawei	RAN4
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Completion level: 10%

Completion date: September 2012

Status: Noted (Completion level and date approved)

12.1.3.3 Open Loop Core part [HSPA_UL_TxDiv-OL-Core]

RP-110090	Report	Status report for WI Open Loop Core part: Huawei	RAN1
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Completion level: 0%

Completion date: March 2012

Status: Noted (Completion level and date approved)

RP-110305	WID update	WID update: Uplink Transmit Diversity for HSPA	Huawei
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Status: revised in 374

RP-110374	WID update	WID update: Uplink Transmit Diversity for HSPA	Huawei
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approved

12.1.3.4 Open Loop Performance part [HSPA_UL_TxDiv-OL-Perf]

RP-110091	Report	Status report for WI Open Loop Performance part: Huawei	RAN4
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Completion level: 0%

Completion date: September 2012

Status: Noted (Completion level and date approved)

12.2 Open UTRA & LTE related WIs

12.3 Open LTE related Wis

12.3.1 Network-Based Positioning Support for LTE

12.3.1.1 Core Part [LCS_LTE-NBPS-Core]

RP-110092	Report	Status report for WI Core Part: Network-Based Positioning Support for LTE: TruePosition	RAN2
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Completion level: 50%

Completion date: Dec 2011

Status: Noted (completion level and date are approved)

12.3.1.2 Performance Part [LCS_LTE-NBPS-Perf]

RP-110093	Report	Status report for WI Performance Part: Network-Based Positioning Support for LTE: TruePosition	RAN4
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Completion level: 0%

Completion date: September 2012

Change of date to September 2012 requested .

Status: Noted (date extension is approved)

Way forward on the responsibility of stage 2 and stage 3:

- Discussions on Stage 2 will be led by RAN2.
- RAN2 outcome will be reviewed by RAN3.
- Ran3 will lead the discussion on stage 3.

12.3.2 LTE Advanced Carrier Aggregation of Band 4 and Band 17

RP-110138	Report	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17	AT&T
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Status: withdrawn

12.3.2.1 Core part [LTE_CA_B4_B17-Core]

RP-110094	Report	Status report for WI Core part: LTE Advanced Carrier Aggregation of Band 4 and Band 17: AT&T	RAN4
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Completion level: 0%

Completion date: Dec 2011

Status: Noted (date and level approved)

RP-110139	Status Report	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17 (Core)	AT&T
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Status: withdrawn

12.3.2.2 Performance part [LTE_CA_B4_B17-Perf]

RP-110095	Report	Status report for WI Performance part: LTE Advanced Carrier Aggregation of Band 4 and Band 17: AT&T	RAN4
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Completion level: 0%

Completion date: June 2012

Status: Noted (completion date and level approved)

RP-110140	Status Report	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17 (Performance)	AT&T
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Status: withdrawn

12.3.3 LTE Advanced Carrier Aggregation of Band 4 and Band 13

12.3.3.1 Core part [LTE_CA_B4_B13-Core]

RP-110096	Report	Status report for WI Core part: LTE Advanced Carrier Aggregation of Band 4 and Band 13: Ericsson	RAN4
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Completion level: 10%

Completion date: Dec 2011

Status: Noted (completion date and level approved)

12.3.3.2 Performance part [LTE_CA_B4_B13-Perf]

RP-110097	Report	Status report for WI Performance part: LTE Advanced Carrier Aggregation of Band 4 and Band 13: Ericsson	RAN4
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Completion level: 0%

Completion date: June 2012

Status: Noted (completion date and level approved)

13 Study Items

13.1 Study on Measurement of Radiated Performance for MIMO and multi-antenna reception for HSPA and LTE terminals [FS_HSPA_LTE_measRP_MIMO_multi-antenna]

RP-110098	Report	Status report for SI Study on Measurement of Radiated Performance for MIMO and multi-antenna reception for HSPA and LTE terminals: Vodafone	RAN4
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Completion level: 65%

Completion date: Dec 2011

Extension to December is requested

Status: Noted (Date Extension is approved)

13.2 Study on Extending 850MHz [FS_e850]

RP-110099	Report	Status report for SI Study on Extending 850MHz: Ericsson	RAN4
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Completion level: 70%

Completion date: June 2011

Status: Noted (completion date and level approved)

13.3 Study on RAN improvements for Machine-Type Communications [FS_NIMTC_RAN]

RP-110100	Report	Status report for SI Study on RAN improvements for Machine-Type Communications: Huawei	RAN2
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SI in on Hold

Completion level: 40%

Completion date: June 2011(March 2011 in the document)

Status: Noted (completion date extension approved)

Way forward discussion:

Nokia: there is a need to clarify the objectives of the scope of the SI before we can re-open it (there are other areas than the RAN overload that needs to be discussed)

Ericsson: supports the view from Nokia.

RAN chair: proposes to check the decision from SA next week, then decide.
Proposal is to postpone the decision to next meeting

Huawei: RAN2 should not do any thing until next plenary ?

RAN chair: yes.

LG: thinks it is beneficial to discuss the scope of the SI in RAN2 until to the next plenary.

RAN3 chair: the understanding is that we work on RAN overload and for any thing else we need to wait for the decision from SA. is this the correct understanding ?

Huawei: there is a need and it was agreed to focus the study. To do so, we need either to:
- carry on the current study for the next months on the RAN overload and revisit in June.
- or decouple this from the study.

RAN chair: Study on the overload should continue in RAN2 under this SI ?

Vodafone: before we can do so we should make sure we can complete the work on the CN overload.

IP wireless: CN overload was conducted as a WI. What about the RAN overload. Should it also be conducted under a WI ?

RAN chair Until June we will study the RAN overload in the SI. if needed we will create a WI for the RAN overload.

RAN chair: - Study on the overload should continue in RAN2 under this SI but only RAN overload (not re-opening the whole SI)

- a way forward to be decided in June.

RAN2 chair: : we need a document saying that so that is clear for RAN2..

Huawei: we can provide an update of the SI to do so.

Ericsson : no point on revising the SI, leave it as it is. and give a guidance to RAN2.

Agreed Way Forward:

====> **continue the Study Item but limited to RAN overload only.**

====> **separate study can be done for UMTS and LTE**

====> **No change of the SI description at this point in time**

RP-110218	Disc	Way forward on M2M work in Rel-11	Huawei
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Status: Noted

RP-110249	Disc	MTC device migration from GSM	Vodafone
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Orange: is what is requested here is a new physical layer to support new MTC devices ?

Vodafone: objective is to migrate the devices from GSM as much as possible and eventually switch off GSM. → We should consider how to get to this objective.

The idea is not to change layer 1 as this will have a big impact on LTE. But Optimizations to be considered. RAN 52 to consider what are the possibilities.

LG: do you consider improvements in LTE only or also UMTS ?

Vodafone: by the time the migration will be done., we see LTE as the system that will be evolving. → Migration to LTE in one step.

Nokia: we need to start proactively and prepare the work. A lot of complexity is foreseen for LTE if we want to add MTC.

Status: revised in 0419

RP-110419	Disc	MTC device migration from GSM	Vodafone
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Status: noted

RP-110323	Disc (For Discussion & Decision)	Way forward for the MTC SI	ZTE
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Status: noted

13.4 Study on Coordinated Multi-Point Operation for LTE [FS_COMP_LTE]

RP-110101	Report	Status report for SI Study on Coordinated Multi-Point Operation for LTE: Samsung	RAN1
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Completion level: 20%

Completion date: September 2011

RAN2 chair: No RAN2 and RAN3 work is required. Is that the correct understanding ?

Ericsson: this is also the understanding from E///'s point of view

RAN1 chair: yes this is the correct understanding

Status: Noted (Completion level and date approved)

13.5 Study on Network Energy Saving for E-UTRAN [FS_Energy_LTE]

RP-110102	Report	Status report for SI Study on Network Energy Saving for E-UTRAN: China Mobile	RAN3
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Completion level: 90%

Completion date: June 2011

Date changed to June

Status: Noted (extension of date to June approved)

RP-110296	TR	TR of Network Energy Saving for E-UTRAN for information	CMCC
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Status: noted

13.6 Study on signaling and procedure for interference avoidance for in-device coexistence [FS_SPIA_IDC]

RP-110103	Report	Status report for SI Study on signaling and procedure for interference avoidance for in-device coexistence: China Mobile	RAN2
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Completion level: 80%

Completion date: June 2011

Status: Noted (extension of date to June approved)

13.7 Study on UE Application Layer Data Throughput [FS_UE_App_Data_Perf]

RP-110104	Report	Status report for SI Study on UE Application Layer Data Throughput: Spirent Communications	RAN5
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Completion level: 5%

Completion date: Sept 2011

Status: Noted (Completion date and level approved)

13.8 Study on Uplink MIMO [FS_UTRA_UL_MIMO]

RP-110105	Report	Status report for SI Study on Uplink MIMO: Qualcomm	RAN1
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Completion level: 30%

Completion date: Sept 2011

Status: Noted (Completion date and level approved)

13.9 Study on HSDPA multipoint transmission [FS HSDPA MP_TX]

RP-110106	Report	Status report for SI Study on HSDPA multipoint transmission : Nokia Siemens Networks	RAN1
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Completion level: 30%

Completion date: Sept 2011

Status: Noted (Completion date and level approved)

13.10 Study on Inclusion of RF Pattern Matching as a positioning method in the E-UTRAN [FS LCS LTE RFPMT]

RP-110107	Report	Status report for SI Study on Inclusion of RF Pattern Matching as a positioning method in the E-UTRAN: Polaris Wireless	RAN4
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Completion level: 5%

Completion date: Dec 2011

Status: Noted (date and level approved)

RP-110385	Polaris Wireless	WID update: Inclusion of RF Pattern Matching as a positioning method in the E-UTRAN	WID
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Status: approved

13.11 Closed study items

14 New Work Items/Study Items

RP-110392	Disc	RAN 1 chairman's guidance on approval of WIs/SIs to be led by RAN1	RAN1 chairman (Alcatel-Lucent)
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Discussion on relays:

Sharp: clarification on "*Treat relay aspects separately at RAN#52*" requested.

LGE: Generally fine with RAN1 chairman suggestion but suggest to remove relay aspects from WIs/SIs when we approve the WIs/SIs for CA, DL and UL MIMO for the time being and revisit in June plenary after we have a clearer picture for the relay work item for release 11.

RAN1 Chair: there is no need to remove these aspects from the approved WIs/SIs at this meeting.

Vodafone: we need to have a concrete framework on rel-11 in a very generic manner.

Huawei: Welcomes the guidance. When it comes to assessing the different proposals on the wireless back haul, removing these items from the current WI/SI proposals would make them unstable at this stage. It is preferred to not change them now and we can still update them in June if required.

Ericsson: same view as RAN1 chair and Huawei.

RAN1 chair: it is ok to approve now WIs/SIs that contain relay aspects, but we do so with the understanding that the best way to proceed with relay work will be revisited at RAN52..

[???]: what about proposals on relay with other leading groups than RAN1?

RAN chair: one by one when discussing them

Way forward: approve WI/SI that include relay work with the understanding that next plenary we may revisit the WID/SID.

Discussion on MIMO:

Renesas, Vodafone, ???: give lower priority to MIMO.

Vodafone: we need to try to be responsible and try to understand the important aspects and try to do them quickly. Other aspects aiming optimization where it is not clear what the gain is need to be treated with lower priority.

Samsung: good proposal from RAN1 chair. Fully supports

RAN1 chair: for RAN1, it is clear what the priorities are.

→ discussion to be continued offline

Status: Noted

RP-110426	Disc	Working assumptions for the expected new Wis for CA inter-band combinations	RAN4 chair
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Status: Withdraw

RP-110406		Rel-11 MDT way forward.	Approval
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MediaTek, Telecom Italia: Concerns to agree to this proposal.

Status: Noted

14.1 New Work Items

RP-110115	WID	New work item proposal: UE Conformance Test Aspects for Support of different bands for Dual-Cell HSDPA	Ericsson, ST-Ericsson, Alcatel-Lucent, eMobile, Nokia, Orange, Renesas Electronics Europe, Telecom Italia, Qualcomm
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Status: approved

RP-110116	WID	New work item proposal: UE Conformance Test Aspects for Dual-Cell HSUPA	Ericsson, ST-Ericsson, Alcatel-Lucent, Huawei, Nokia, Orange, Renesas Electronics Europe, Samsung, Telecom Italia, Qualcomm
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Status: approved

RP-110244	WID	UE Conformance Test Aspects – MIMO Operation with Non-MIMO Coexistence in HSDPA	Qualcomm Inc
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Status: approved

RP-110377	WID	Work item proposal for UE conformance test aspects for the E850 upper band	Sprint, Alcatel-Lucent, Ericsson, ST Ericsson
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Status: approved

RP-110378	WID	Work item proposal for UE conformance test specifications for 3GPP Band 24 LTE FDD frequency band	LightSquared
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After RAN #51 it was decided to call the WI "Conformance Test part: Adding L-Band (Band 24) LTE for ATC of MSS in North America" instead of "LTE FDD in 1500-1600MHz for US – UE conformance test" as in RP-110378 in order to align with the core part WI L_Band_LTE_ATC_MSS-Core.

Status: approved

RP-110122	WID	Proposed WID: HSPA Self Optimizing Networks	Huawei
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Status: postponed

RP-110193	info (WID)	LTE Self Optimizing Networks (SON) enhancements	Nokia Corporation, Nokia Siemens Networks
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Status: postponed

RP-110185	WID	New WI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent
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Status: revised in 390

RP-110390	WID	New WI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent
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Status: revised in 449 (as an SI, see agenda 14.2)

RP-110186	WID	New WI proposal: Enhancements for HNB	Alcatel-Lucent
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Status: withdrawn

RP-110187	WID	New WI proposal: Enhancements for HeNB	Alcatel-Lucent
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Status: withdrawn

RP-110215	WID	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others
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Status: revised in 367

RP-110367	WID	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others
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NSN: does not see the point of this.

Status: revised in 441 (as SI see agenda 14.2)

RP-110128	WID	WI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation
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Status: revised in 417

RP-110417	WID	WI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation
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Ericsson: start with this as SI not WI.

Status: revised in 438 (as SI see agenda 14.2)

RP-110129	WID	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation
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Status: revised in 0371

RP-110371	WID	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation
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Status: revised in 430

RP-110430	WID	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation
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Qualcomm: related to hetenet WI. From guidance from RAN1 chair hetnet to start only after June

NSN: Not a problem if it starts on June if it is preferable from a RAN3 perspective.

Telecom Italia: there is a miss-alignment on the groups in the document as is lists also ran2.

Status: revised in 437

RP-110437	WID	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation
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approved

RP-110120	WID	New WI proposal for Enhanced multi-antenna transmission for LTE uplink	Huawei
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Status: revised in 0306

RP-110306	WID	WI proposal for enhanced uplink transmission for LTE	Huawei
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Status: revised in 396 (as SI see agenda 14.2)

Discussion on the Way forward on new bands and band combinations WIs:

Ericsson: we should have the same handling for all WI proposals on band combinations.

Motorola: same view

RAN: from a Fairness point of view, we should have the same treatment for all band combinations.

Qualcomm: what is the difference between approving them all or postponing them all as any way ran4 will not work on them until after June?

AT&T: the difference is the message to send to the operators.

Ericsson: preference is to postpone them all

Qualcomm: proposal is to approve them and then need to be resubmitted in the next plenary in order to to adjust the time line.

RAN4 chair: supports the proposal. And he confirmed that anyway no work will be done on the approved WIs before Juane.

NII holding: is this valid for both band combinations and new bands ?

RAN4 chair: New band combinations only. New bands are to be discussed one by one.

Orange: Work load Takes into account new bands and band combinations. What is the rational behind different treatments and having new bands combinations approved and revised in next meeting and not the same handling for new bands ?

RAN4 chair: new bands will not be approved automatically but rather discussed one by one. Then they can either be put on hold or handled on RAN4.

Ericsson: supports the point of view from RAN4 chairman.

➔ **WIs will be approved and completion dates to be revisited in the next meeting.**

All WIs on new bands and band combinations are on hold until RAN#52

RP-110109	WID	Work Item proposal: LTE Advanced Carrier Aggregation of Band 20 and Band 7	Orange
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Status: revised in 0403

RP-110403	WID	Work Item proposal: LTE Advanced Carrier Aggregation of Band 20 and Band 7	Orange
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On hold until June

Status: approved

RP-110112	WID	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular
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Status: revised in 0209

RP-110209	WID	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular
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Status: revised in 372

RP-110372	WID	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular
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On hold until June

Status: approved

RP-110135	WID	LTE Advanced Carrier Aggregation of Band 4 and Band 12	Cox Communications
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On hold until June

Status: approved

RP-110136	WID	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T
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Status: revised in 368

RP-110368	WID	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T
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Status: revised in 435

RP-110435	WID	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T
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On hold until June

Status: approved

RP-110137	WID	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17, 4+5, 5+17	AT&T
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Status: revised in 369

RP-110369	WID	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17, 4+5, 5+17	AT&T
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Status: split into three document 432, 433, 434

RP-110432	WID	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17	AT&T
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On hold until June

Status: approved

RP-110433	WID	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 4+5	AT&T
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On hold until June

Status: approved

RP-110434	WID	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 5+17	AT&T
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On hold until June

Status: approved

RP-110191	Info	Overview of LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS
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Status: noted

RP-110192	WID	Work Item Proposal for LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS
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Status: return to 439

RP-110439	WID	Work Item Proposal for LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS
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On hold until June

Status: approved

RP-110202	WID	New WI: LTE Advanced Carrier Aggregation in Band 38 and Band 40	CMCC, Huawei, HiSilicon
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Status: postponed

RP-110248	WID	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson
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Status: revised in 365

RP-110365	WID	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson
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Status: revised in 427

RP-110427	WID	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson
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NEC: has concern on this WI as the Japanese government haven't taken any decision yet.

NTT: also has a concern on starting this with a WI. It should start as a SI because the original objective is to create only one globally harmonised operating band. On some countries co-existence studies are under study. If a new band is created an requirements are finalised, we need to create another new band.

Sharp: comprehensive band is very attractive. But There is some issues as for AARIB for example.
Start this as SI and incorporated some of these requirements.

KDDI: support NTT and sharp → start the work as SI.

Ericsson: we need to keep in mind that this is referencing the work that was done and if we restart the work.
There are co-existence problem that need to be sorted soon and can not wait for two quarters

Fujitsu: have the occasion to review the proposal or start as SI.

RAN4 chair: it is proposed to conclude in December, with this respect we should pay attention to the time plan in Australia.

Ericsson: - it could be extended to June.
- instead of having this as SI, postpone to next meeting to have time to discuss offline.

Motorola: in WIs for new bands we always start with a TR. Not much difference between SI and WI.

Status: postponed

RP-110108	WID	Minimization of drive tests enhancements	Nokia Siemens Networks
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Status: revised in 370

RP-110370	WID	Minimization of drive tests enhancements	Nokia Siemens Networks
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Status: postponed

RP-110295	WID	MDT WID Rel-11	Mediatek
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Status: revised in 379

RP-110379	WID	MDT WID Rel-11	Mediatek
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Status: Postponed

RP-110127	WID	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks
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Status: revised in 424

RP-110424	WID	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks
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Motorola mobility supports the WI.

Nokia: this WI contains a bullet within square brackets and the idea is to see if this is ok with all companies if not this point can be removed.

Ericsson: This is for relay for which we decided to assess in the next meeting. So can leave and this will be discussed in June.

Vodafone: has concerns about the signalling.

Status: revised in 451

RP-110451	WID	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks
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Relay aspect is kept between [].

RAN1 chair: work on this will only start after RAN52 in RAN1.

RAN2 chair : if there is time RAN2 will start work on this after this meeting.

Status: approved

RP-110131	WID	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell
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Status: revised in 0393

RP-110393	WID	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell
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Status: revised in 418 (as SID agenda 14.2.)

RP-110212	WID	New WI proposal: Further Enhanced TDM-based ICIC for LTE	Qualcomm Incorporated & others
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Status: revised to 420

RP-110420	WID	New WI proposal: Further Enhanced Non CA -based ICIC for LTE	Qualcomm Incorporated & others
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RAN1 chair: this will not start before RAN52 (Scenarios identification after RAN52, and all other aspects after RAN53)

Status: approved (on hold until June 2011)

RP-110245	WID	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd
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Status: revised 410

RP-110410	WID	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd
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Samsung: the scope seems to be an SI.

Ericsson: same view as Samsung. Either revise as an SI or rework the objectives.

Telecom Italia: if going for a WI, we need to have performance part.

Status: revised in 454

RP-110454	WID	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd
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Status: approved

RP-110219	Disc	Control channel design in Rel. 11	Panasonic
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Status: Noted

RP-110123	WID	Proposed WID: LIPA Mobility and SIPTO at the Local Network RAN Completion	Huawei
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Status: postponed

RP-110198	WID	New WI proposal: Introduction of New Configuration for 4C-HSDPA	Telus Communications
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Status: revised in 0308

RP-110308	WID	New WI proposal: Introduction of New Configuration for 4C-HSDPA	Telus Communications
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Ericsson: this is Band combination for HSPA, ➔ same handling as band combinations for LTE

RAN4 chair: will start the work on this only after June

Status: approved (on hold until June 2011)

RP-110247	WID	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson
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Status: revised in 364

RP-110364	WID	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson
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Status: revised in 416

RP-110416	WID	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson
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Status: approved (on hold until June 2011)

RP-110121	WID	New WI proposal for Efficient radio resource usage in CELL_FACH	Huawei
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Status: merged to 423

RP-110213	WID	New WI proposal: Efficient radio resource usage in CELL_FACH	Qualcomm Incorporated
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Status: merged to 423

RP-110246	WID	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson
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Status: revised in 316

RP-110316	WID	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson
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Status: merged to 423

All FACH WIs are merged to 423

RP-110423	WID	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson
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ALU: needs time to check.

Revised in 436

RP-110436	WID	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson
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approved

RP-110200	Disc	Relaying in Rel. 11	Ericsson
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Status: noted

14.2 New Study Items

RP-110124	SID	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL
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Status: revised in 0412

RP-110412	SID	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL
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NTT: is this can handle not only korea region but also other region and not only LTE but also UMTS?

LG plus: In Korea case it is only LTE.

Sharp: we should expend to include other countries.

Orange: same opinion.

LG plus: Approve in this meeting and in June include other countries.

NSN: We should be careful what cases we are including. We should focus on the case where we identify some issues. If We include other cases We should have commitment from companies to do the work on the added cases.

Sharp: agrees that we should not have a general study but there are specific situation existing right now that need to be added.

RAN4 chair: if Korean companies have plans then we have to pay attention to these plans as 3GPP.
- other point is RAN4 needs to concentrate on rel-10 issues. → put on hold until June.

NTT Docomo: is fine to approve this SI. Companies does not have time to implement this.

LG plus: we can revise and change the completion date to September.

Korean companies: Is it possible to submit contribution and have some time for discussion on the RAN4 May meeting?

RAN4 chair: we can use the email thread as proposed in the Guidance on the management of work load.

Qualcomm: confused as thought this point was already in the agenda for April.

Sprint: supports the start of the SI starting from now.

- SI approved.
- Discussion only on email until June.
- Discussion on the main meeting after June.
- Possible extension to other countries in the next plenary.

Revised to change the completion date to September 2011

Status: revised in 447

RP-110447	SID	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL
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- Discussion only on email until June.
- Discussion on the main meeting after June.

- Possible extension to other countries in the next plenary. (To be discussed during the next meeting)

Status: approved

RP-110130	Info	New study item proposal for LTE and HSDPA Carrier Aggregation	Nokia Siemens Networks, Nokia Corporation
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Ericsson: Is there a study in SA wrt to security ?

NSN: No impact outside RAN.

NTT Docomo: Have concerns approving this proposal. This will create a lot of work load for a limited gain.

Status: noted

RP-110384	Discussion	Inter-RAT load balancing / carrier aggregation	Alcatel Lucent
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Status: noted

RP-110180	SID	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson
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Status: revised in 0397

RP-110397	SID	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson
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Status: Revised in 440

RP-110440	SID	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson
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RAN1 chair: if approved we should put on hold until October as suggested in the guidance to RAN1. Some discussion of simulation assumptions may take place before October, either in the Aug meeting or by email.

RAN4 chair: if this is the case we need to review the expected completion date for RAN4.

→ approved with change of completion date to RAN#55 (presented to RAN54 for information)

→ RAN1 work on hold until October.

Status: Revised in 450

RP-110450	SID	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson
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Status: Approved

RP-110181	SID	New Study Item Proposal: Mobile Relay for EUTRA	CATT, CMCC, CATR
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Status: revised in 0398

RP-110398	SID	New Study Item Proposal: Mobile Relay for EUTRA	CATT, CMCC, CATR
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AT&T: there should be also some impact on RAN4 as there are interferences.

Renesas: What are the Layer 1 improvements that does not require any change to the UE ?

CATT: what have in mind is possible improvements for High speed UEs.

Huawei: Do the intended L1 changes only concern the backhaul or is there impact on the link to the UE as well ?

CATT: Mostly backhaul on mind. In the meantime the solutions can be applicable to high speed UEs and do not see why we should preclude this.

Nokia: Is the intention is also to provide some information on the deployment scenarios?

Motorola: supports the comment from Nokia.

RAN2 chair: understanding is that we don't need to discuss this here and all relay discussion will be handled next RAN meeting.

CATT: It could be good to have some time to study the improvements. The scope of the SI is the higher layers not the physical layer. The understanding from Matthew's presentation is that only discussion for RAN1 is deferred to the next meeting.

Status: postponed

RP-110208	SID	Study on HSPA Enhancement for LCR TDD	TD Tech
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Status: revised in 0315

RP-110315	SID	Study on HSPA Enhancement for LCR TDD	TD Tech
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Qualcomm: this is RAN1 leading. We should follow the guidance for RAN1.

RAN1 chair: relatively new, allow time for companies to look at it. → postpone to next meeting.

TD tech: what are the reason for postponing the SI ?

RAN1 chair: RAN1 is loaded with HSPA subjects and also several details are still to be clarified and discussed more.

Status: postponed

RP-110214	SID	New SI proposal: Further enhancements to CELL_FACH	Qualcomm Incorporated
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Status: withdrawn (merged to 436)

RP-110216	SID	New SI proposal: Simulation Framework for Heterogeneous Deployments in HSPA	Qualcomm Incorporated
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Status: postponed

RP-110449	SID	New WI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent
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Revised from WID in 390

NEC: benefits to for all ...

Status: revised in 456

RP-110456	SID	New SI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent
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→ RAN sharing does not start until the ongoing discussion is concluded.

→ For each of the items listed in the Objectives section, the expectation is that at the end of the study RAN3 will come up with a recommendation on whether the item is beneficial and should be standardized (later on in the WI phase)

Status: Approved without presentation

RP-110441	SID	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated &
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			others
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Revised in 453

RP-110453	SID	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others
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Ericsson: These should be two different study items. Architecture part should be done by SA2.

Status: postponed

RP-110438	SID	SI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation
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RAN3 will wait for RAN2 direction. Is this the correct understanding.

NSN: yes RAN3 waits for recommendation from RAN2.

Status: Approved

RP-110396	WID	WI proposal for enhanced uplink transmission for LTE	Huawei
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Status: revised in 448

RP-110448	SID	WI proposal for enhanced uplink transmission for LTE	Huawei
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RAN1 chair: should be on hold until after RAN52

Status: approved (on hold until after June)

RP-110418	SID	Study on DL MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell
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This is a study Item

Samsung: we need to change “fully” to “sufficiently”

Revised to capture this.

Status: revised in 457

RP-110457	SID	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell
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Status: Approved

15 Technical co-ordination among WGs

16 Outputs to other groups

RP-110421	LS out	Response to USGPSIC letter	LightSquared
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AT&T: some editorial changes are needed.

Motorola: how do we get the status report submitted from USGPSIC to FCC?

LightSquared: Status report from LightSquared to RAN will include that.

Status: revised in 425 (to sort the editorial issues)

RP-110425	LS out	Response to USGPSIC letter	LightSquared
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Status: revised in

RP-110429	LS out	Response to USGPSIC letter	LightSquared
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Status: Approved

RP-110445	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.	LS out
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Huawei: It seemed that we had an agreement this morning that eICIC would be optional and MDT RLF mandatory with FGI. Can you clarify?

NTT: Some operators had a strong objection to this.

Ericsson: we reached an agreement after a long discussion over two days and then this was changed now. Would like to highlight Ericsson's disappointment about this.

Huawei: same view as Ericsson. Huawei followed the discussion until this morning, and this morning it seemed that there was an agreement reached.

TeliaSonera: also supports Huawei and Ericsson. eICIC was approved to be optional.

Nokia: also understanding is that there was an agreement this morning.

NTT Docomo: if no consensus then it is fine to change this to optional.

Orange: Until the end of the discussion Orange and CMCC were raising that this not acceptable to have this optional.

CMCC: supports the comment from orange.

RAN4 chair: leave the two contentious options open and move with the other ones.

➔ leave the two contentious options open and move with the other ones.

=> RAN2 will prepare a separate technically endorsed CR for RAN#52 for eICIC capability bit, and make sure there is enough room for FGI bits for including also RLF FGI bit. RAN#52 will decide on the way forward for both issues.

Ericsson and Huawei expressed their disappointment about the fact that the agreement from the offline session in the morning seems not to hold anymore.

Status: Revised in 458

RP-110458	LS out	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.
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Change the source of the LS.

Status: Revised in 459

RP-110458	LS out	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.
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Status: approved

17 Project management

RP-110328	Report	Support Team report	MCC
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MCC: Close rel-99.

NEC: we should check further if we can close this rel-99. →no decision in this meeting.

Status: noted

RP-110113	Workplan	3GPP Work Plan review at Plenary #51	MCC
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Status: noted

18 Future meeting schedule

General Comment:

Fujitsu (RAN4 chair) as part of the 3JP informed the delegates that they are Monitoring the situation in Japan regarding the meeting in May and they will keep the companies informed of the situation. So far there is no issue with venue or access to the venue.

19 Any other business

RP-110261	Disc	On Network Sharing	TeliaSonera, Telefonica, Orange
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Status: revised in 366

RP-110366	Disc	On Network Sharing	TeliaSonera, Telefonica, Orange
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Qualcomm: this is linked to the proposal in the WI from ALU on the enhancement of HNB and NB where one of the key features is the support of RAN sharing for Home NBs/eNBs.

Deutsche Telekom: what is exactly the request in this document ? is it, if we specify some thing we need to do it for all RATs: GSM, UMTS and LTE ?

- The case of network sharing among multi-vendors ?

TeliaSonera: Not for all Radio access technology.

- Didn't consider multi-vendors case.

NSN: has concern about the statement from Qualcomm on keeping this sharing network within one small WI. Work needs to be started at SA level with RAN as a big part of the work task.

Samsung: is the intention is to have this starting from rel-11.

TeliaSonera: Yes this is correct, starting from rel-11.

Qualcomm: (to the concern from NSN)we can take network sharing out of the proposal from ALU and this will be discussed next week in SA. If SA decides to create a WI for network sharing then RAN will be part of it and HeNB will be one item of this WI.

TeliaSonera: Preference is to not take out network sharing from any existing WI or proposal. Would like to have this be supported for all features.

TELEFONICA: it is important to first understand why network sharing is not supported for individual features.

Huawei: on the generic support of network sharing, do we need to have such an agreement ? for example for mobile relay; do we need to have network sharing for mobile relay?

SA chair: in general a feature should be supported when we have network sharing and in case it is not feasible or requires too much work then we need the decision consciously and have the reasons documented. We should not take decision on specific issues.

Qualcomm: the proposal is specific. It is for the support of network sharing for: HeNBs, CBS and EAB.
there are two ways of doing it:

- take network sharing out from RAN WIs and an umbrella WI can be proposed for these specific features
- or have network sharing in individual WIs.

TeliaSonera: having a generic WI is too complicated. Preference is to have them in separate WIs. The aim of this proposal is not to resolve what went wrong in rel-8 or rel-9 but rather to move forward from rel-11 and see if it is not possible then this and why it is not possible need to be documented.

RAN chair: network sharing to be kept in the WI proposal from Alcatel Lucent and Next meeting we consider the SA decision.

Status: Noted

20 Closing of the meeting (No later than Friday 1 p.m.)

Meeting was closed by the RAN chairman on Friday at 13h00.

Annex A:

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Annex B:

List of Tdocs

status	Agenda item	Tdoc	Title	Source	Type
approved	02.	RP-110001	Agenda for RAN #51	RAN chairman (NTT DOCOMO)	Agenda
noted	08.2.1	RP-110002	RT-110032, "LTE-Advanced" material for Rec. ITU-R M.[IMT.RSPEC] H146	TSG-RAN ITU-R AdHoc	Approval
noted	08.2.1	RP-110003	RT-110018, "Supporting input for the OPs"	TSG-RAN ITU-R AdHoc	Approval
noted	08.2.1	RP-110004	Milestone 4 of RP-100939 fulfilled	MCC	Info
noted	08.2	RP-110005	LS on the consideration of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc	LS in
noted	08.2	RP-110006	LS on additional considerations of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc	LS in
noted	06.1	RP-110007	LS on E-UTRA BS emission limits in European Harmonised Standards	ETSI MSG	LS in
noted	11.4.08	RP-110008	LS from The United States Global Positioning System (GPS) Industry Council	United States GPS Industry Council	LS in
noted	11.4.08	RP-110009	Liaison letter from GPS Industry Council (Final Letter)	United States GPS Industry Council	LS in
noted	06.2	RP-110010	Way forward on DVB-NHG and eMBMS convergence	3GPP TSG SA	LS in
noted	11.4.05	RP-110011	LS on exception to SA WG3 to continue working on Relay Node	3GPP TSG SA	LS in
noted	11.4.05	RP-110012	LS on Security for LTE relay nodes	TSG SA WG3	LS in
noted	11.4.03	RP-110013	LS on phase continuity for UL MIMO	TSG RAN WG1	LS in
noted	06.3	RP-110014	Reply LS on CN node selection	TSG RAN WG2	LS in
noted	11.3.6	RP-110015	Reply to C1-110757 on Provision of the RRC establishment cause "Delay tolerant"	TSG RAN WG2	LS in
noted	11.4.05	RP-110016	Reply LS on Security for LTE relay nodes	TSG RAN WG3	LS in
withdrawn	11.3.1	RP-110017	LS on Status of work on UMTS/LTE 3500 MHz	TSG RAN WG4	LS in
noted	06.3	RP-110018	LS on CRs for MSR specifications	TSG RAN WG4	LS in
noted	11.3.5	RP-110019	LS on Status of the MSR-NC work item	TSG RAN WG4	LS in
noted	08.1	RP-110020	Status Report ITU-R Ad hoc	ITU-R Ad Hoc Contact (Telecom Italia)	Report
noted	09.1.1	RP-110021	Status Report RAN WG1	RAN1 chairman (Alcatel-Lucent)	Report
noted	09.1.1	RP-110022	List of CRs from RAN WG1	RAN1	Info
noted	09.2.1	RP-110023	Status Report RAN WG2	RAN2 chairman (Samsung)	Report
noted	09.2.1	RP-110024	List of CRs from RAN WG2	RAN2	Info
noted	09.3.1	RP-110025	Status Report RAN WG3	RAN3 chairman (Qualcomm)	Report
revised in RP-110307	09.3.1	RP-110026	List of CRs from RAN WG3	RAN3	Info
noted	09.4.1	RP-110027	Status Report RAN WG4	RAN4 chairman (Fujitsu)	Report

revised in RP-110431	09.4.1	RP-110028	List of CRs from RAN WG4	RAN4	Info
noted	09.5.1	RP-110029	Status Report RAN WG5	RAN5 Chairman (NTT DOCOMO)	Report
revised in RP-110362	09.5.1	RP-110030	List of CRs from RAN WG5	RAN5	Info
approved	09.5.1	RP-110031	Status Report MCC TF160 (for Approval)	MCC TF 160 Leader	Report
noted (completion level and date approved)	10.01.1	RP-110032	Status report for WI Conformance test aspects – LTE 3500: Ericsson	RAN5	Report
noted (completion level and date approved)	10.01.2	RP-110033	Status report for WI Conformance test aspects – UMTS 3500: Ericsson	RAN5	Report
noted (completion level and date approved)	10.02	RP-110034	Status report for WI Conformance test part: Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements: Verizon Wireless	RAN5	Report
noted (completion level and date approved)	10.03	RP-110035	Status report for WI Conformance Test Aspects – LTE Positioning: Alcatel-Lucent	RAN5	Report
Noted (extension of completion date is approved)	10.04	RP-110036	Status report for WI AGNSS test case development for UMTS: Thales	RAN5	Report
Noted (Extension date is approved)	10.05	RP-110037	Status report for WI Conformance Test Aspects - CT1 aspects of IMS Emergency Calls over GPRS and EPS: Samsung	RAN5	Report
Noted (Completion date and level approved)	10.06	RP-110038	Status report for WI Conformance Test Aspects –Multiple Band and Multiple Frequency operation for LCR TDD: CATR	RAN5	Report
Noted (Completion date extension approved)	10.07	RP-110039	Status report for WI Conformance Test Aspects – Enhanced Dual-layer transmission for LTE TDD: China Mobile	RAN5	Report
Noted (Completion level and date approved)	10.08	RP-110040	Status report for WI Conformance Test Aspects – Combination of DC-HSDPA with MIMO: Ericsson	RAN5	Report
Noted (Completion level and date approved)	10.09	RP-110041	Status report for WI Conformance Test Aspects – Home NB enhancements for FDD: Huawei	RAN5	Report
Noted (Completion level and date approved)	10.10	RP-110042	Status report for WI Conformance Test Aspects – Home eNB enhancements: Qualcomm	RAN5	Report
revised in RP-110325	10.11	RP-110043	Status report for WI Conformance Test Aspects – MBMS support in LTE: Huawei	RAN5	Report
withdrawn	11.1.5	RP-110044	Status report for WI AGNSS Minimum Performance for UTRAN: Thales	RAN4	Report
Noted (Completion level and date are approved)	11.2.1	RP-110045	Status report for WI UE Over the Air (Antenna) conformance testing methodology- Laptop Mounted Equipment Free Space test: CATR	RAN4	Report
Noted (closure of the WI approved)	11.2.2.1	RP-110046	Status report for WI Core part: Four carrier HSDPA: Qualcomm	RAN1	Report
Noted (Completion level and date are approved)	11.2.2.2	RP-110047	Status report for WI Performance part: Four carrier HSDPA: Qualcomm	RAN4	Report
Noted (closure of the WI approved)	11.2.3.1	RP-110048	Status report for WI Core part: Inclusion of “RF Pattern Matching Technologies” as positioning method in the UTRAN: Polaris Wireless	RAN2	Report
Noted (Completion level and date are approved)	11.2.4.1	RP-110049	Status report for WI Performance part: MU-MIMO for 1.28Mcps TDD: CATT	RAN4	Report

Noted (Extension date to June is accepted)	11.2.5.1	RP-110050	Status report for WI Performance part: Performance Requirements for two-antenna 1.28Mcps TDD Type 1 & 2 UE receiver: TD Tech	RAN4	Report
Noted (Extension date to June is accepted)	11.2.6.1	RP-110051	Status report for WI Core part: Support of New Band Combinations for Dual-Band Dual Cell HSDPA: AT&T	RAN4	Report
Noted (Extension date approved)	11.2.7.1	RP-110052	Status report for WI Core part: MIMO operation with non-MIMO coexistence in HSDPA: Qualcomm	RAN4	Report
Noted (date and level approved)	11.2.7.2	RP-110053	Status report for WI Performance part: MIMO operation with non-MIMO coexistence in HSDPA: Qualcomm	RAN4	Report
revised in RP-110298	11.2.8.1	RP-110054	Status report for WI Core part: Automatic Neighbour Relation (ANR) for UTRAN: ZTE	RAN3	Report
Noted (Extension of completion date approved)	11.2.9.1	RP-110055	Status report for WI Core part: Enhancements of Iur-g interface – RAN part: ZTE	RAN3	Report
Noted(extension of completion date approved)	11.3.1	RP-110056	Status report for WI UMTS: LTE 3500 MHz: Ericsson	RAN4	Report
Noted (Extension of date to June approved)	11.3.2.1	RP-110057	Status report for WI Core Part: Minimization of drive tests for E-UTRAN and UTRAN: Nokia Siemens Networks	RAN2	Report
Noted (WI closed)	11.3.3.1	RP-110058	Status report for WI Core part: HNB and HeNB Mobility Enhancements: Alcatel-Lucent	RAN3	Report
Noted (extension approved to June)	11.3.4.1	RP-110059	Status report for WI Core part: Expanded 1900 MHz Band for UTRA and LTE: Sprint	RAN4	Report
Noted (extension of completion date approved)	11.3.4.2	RP-110060	Status report for WI Performance part: Expanded 1900 MHz Band for UTRA and LTE: Sprint	RAN4	Report
Noted (Extension and completion date approved)	11.3.5.1	RP-110061	Status report for WI Core part: Multi-standard radio BS RF requirements for non-contiguous spectrum deployments: Ericsson	RAN4	Report
Noted (Extension and completion date approved)	11.3.5.2	RP-110062	Status report for WI Performance part: Multi-standard radio BS RF requirements for non-contiguous spectrum deployments: Ericsson	RAN4	Report
Noted (WI closed)	11.3.6	RP-110063	Status report for WI RAN mechanisms to avoid CN overload due to Machine-Type Communications: Huawei	RAN2	Report
Noted (Extension and completion date approved)	11.3.7.1	RP-110064	Status report for WI Core part: Extending 850 MHz Upper Band (814 – 849 MHz): Sprint	RAN4	Report
Noted (Extension and completion date approved)	11.3.7.2	RP-110065	Status report for WI Performance part: Extending 850 MHz Upper Band (814 – 849 MHz): Sprint	RAN4	Report

Noted (Put on hold (no activities in RAN4 and RAN5))	11.4.01.1	RP-110066	Status report for WI Core part: Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements: Verizon Wireless	RAN4	Report
Noted (WI closed)	11.4.02.1	RP-110067	Status report for WI Core part: Enhanced Downlink Multiple Antenna Transmission for LTE: NTT DoCoMo	RAN1	Report
Noted (completion level and date approved)	11.4.02.2	RP-110068	Status report for WI Performance part: Enhanced Downlink Multiple Antenna Transmission for LTE: NTT DoCoMo	RAN4	Report
revised in RP-110375	11.4.03.1	RP-110069	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1	Report
revised in RP-110413	11.4.03.2	RP-110070	Status report for WI Performance part: UL multiple antenna transmission for LTE: Huawei	RAN4	Report
revised in RP-110387	11.4.04.1	RP-110071	Status report for WI Core part: Carrier Aggregation for LTE: Nokia	RAN1	Report
Noted (completion date is extended to September 2011)	11.4.04.2	RP-110072	Status report for WI Performance part: Carrier Aggregation for LTE: Nokia	RAN4	Report
Noted (Completion level and date are approved)	11.4.05.1	RP-110073	Status report for WI Core part: Relays for LTE: Ericsson	RAN1	Report
Noted (completion level and date are approved)	11.4.05.2	RP-110074	Status report for WI Performance part: Relays for LTE: Ericsson	RAN4	Report
Noted (Completion date extension approved)	11.4.06.1	RP-110075	Status report for WI Core part: Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE: China Mobile	RAN1	Report
Noted (extension date to September approved)	11.4.06.2	RP-110076	Status report for WI Performance: Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE part: China Mobile	RAN4	Report
revised in RP-110329	11.4.07.1	RP-110077	Status report for WI Core part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4	Report
revised in RP-110330	11.4.07.2	RP-110078	Status report for WI Performance part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4	Report
Noted(completion date and approved)	11.4.08.2	RP-110079	Status report for WI Performance part: Adding L-Band LTE for ATC of MSS in North America: LightSquared	RAN4	Report
Noted(extension of the completion date approved)	11.4.09.1	RP-110080	Status report for WI Core part: LTE Self Optimizing Networks (SON) enhancements: Nokia Siemens Networks	RAN3	Report
Noted (completion level and date approved)	11.4.10.1	RP-110081	Status report for WI Core part: LTE-Advanced Carrier Aggregation of Band 3 and Band 7: TeliaSonera	RAN4	Report
Noted (completion level and date approved)	11.4.10.2	RP-110082	Status report for WI Performance part: LTE-Advanced Carrier Aggregation of Band 3 and Band 7: TeliaSonera	RAN4	Report
Noted (WI closed)	11.4.11.1	RP-110083	Status report for WI Core part: Further enhancements to MBMS for LTE: Huawei	RAN2	Report
noted (extension date approved)	11.4.12.1	RP-110084	Status report for WI Core part: Service continuity in connected mode and location information for MBMS for LTE: Huawei	RAN2	Report

Noted (date and level approved)	12.1.1.1	RP-110085	Status report for WI Core part: Eight carrier HSDPA: Ericsson	RAN1	Report
Noted (date and level approved)	12.1.1.2	RP-110086	Status report for WI Performance part: Eight carrier HSDPA: Ericsson	RAN4	Report
Noted (approved)	12.1.2.1	RP-110087	Status report for WI Performance Part: UE demodulation performance requirements under multiple-cell scenario for 1.28Mcps TDD: China Mobile	RAN4	Report
Noted (approved)	12.1.3.1	RP-110088	Status report for WI Closed Loop Core Part: Huawei	RAN1	Report
Noted (approved)	12.1.3.2	RP-110089	Status report for WI Closed Loop Performance Part: Huawei	RAN4	Report
Noted (approved)	12.1.3.3	RP-110090	Status report for WI Open Loop Core part: Huawei	RAN1	Report
Noted (approved)	12.1.3.4	RP-110091	Status report for WI Open Loop Performance part: Huawei	RAN4	Report
Noted (completion level and date are approved)	12.3.1.1	RP-110092	Status report for WI Core Part: Network-Based Positioning Support for LTE: TruePosition	RAN2	Report
Noted (date extension to september 2012 is approved)	12.3.1.2	RP-110093	Status report for WI Performance Part: Network-Based Positioning Support for LTE: TruePosition	RAN4	Report
Noted (completion date and level approved)	12.3.2.1	RP-110094	Status report for WI Core part: LTE Advanced Carrier Aggregation of Band 4 and Band 17: AT&T	RAN4	Report
Noted (completion date and level approved)	12.3.2.2	RP-110095	Status report for WI Performance part: LTE Advanced Carrier Aggregation of Band 4 and Band 17: AT&T	RAN4	Report
Noted (completion date and level approved)	12.3.3.1	RP-110096	Status report for WI Core part: LTE Advanced Carrier Aggregation of Band 4 and Band 13: Ericsson	RAN4	Report
Noted (completion date and level approved)	12.3.3.2	RP-110097	Status report for WI Performance part: LTE Advanced Carrier Aggregation of Band 4 and Band 13: Ericsson	RAN4	Report
Noted (Date Extension is approved)	13.1	RP-110098	Status report for SI Study on Measurement of Radiated Performance for MIMO and multi-antenna reception for HSPA and LTE terminals: Vodafone	RAN4	Report
Noted (completion date and level approved)	13.2	RP-110099	Status report for SI Study on Extending 850MHz: Ericsson	RAN4	Report
Noted (extension of date to june approved)	13.3	RP-110100	Status report for SI Study on RAN improvements for Machine-Type Communications: Huawei	RAN2	Report
Noted (Completion level and date approved)	13.4	RP-110101	Status report for SI Study on Coordinated Multi-Point Operation for LTE: Samsung	RAN1	Report
Noted (extension of date to june approved)	13.5	RP-110102	Status report for SI Study on Network Energy Saving for E-UTRAN: China Mobile	RAN3	Report
Noted (extension of date to june approved)	13.6	RP-110103	Status report for SI Study on signaling and procedure for interference avoidance for in-device coexistence: China Mobile	RAN2	Report
Noted (Completion date and level approved)	13.7	RP-110104	Status report for SI Study on UE Application Layer Data Throughput: Spirent Communications	RAN5	Report
Noted (Completion date and level approved)	13.8	RP-110105	Status report for SI Study on Uplink MIMO: Qualcomm	RAN1	Report

Noted (Completion date and level approved)	13.9	RP-110106	Status report for SI Study on HSDPA multipoint transmission : Nokia Siemens Networks	RAN1	Report
Noted (date and level approved)	13.10	RP-110107	Status report for SI Study on Inclusion of RF Pattern Matching as a positioning method in the E-UTRAN: Polaris Wireless	RAN4	Report
revised in RP-110370	14.1	RP-110108	Minimization of drive tests enhancements	Nokia Siemens Networks	WID
revised in RP-110403	14.1	RP-110109	Work Item proposal: LTE Advanced Carrier Aggregation of Band 20 and Band 7	Orange	WID
approved	11.3.5.1	RP-110110	Rel-10 Work Item Exception for MSR-NC	Ericsson	Exception RS
approved	11.3.1	RP-110111	Rel-10 Work Item Exception for UMTS/LTE 3500 MHz	Ericsson	Exception RS
Revised in RP-110209	14.1	RP-110112	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular	WID
noted	17.	RP-110113	3GPP Work Plan review at Plenary #51	MCC	Workplan
revised in RP-110312	11.4.08	RP-110114	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council	LS in
approved	14.1	RP-110115	New work item proposal: UE Conformance Test Aspects for Support of different bands for Dual-Cell HSDPA	Ericsson, ST-Ericsson, Alcatel-Lucent, eMobile, Nokia, Orange, Renesas Electronics Europe, Telecom Italia, Qualcomm	WID
approved	14.1	RP-110116	New work item proposal: UE Conformance Test Aspects for Dual-Cell HSUPA	Ericsson, ST-Ericsson, Alcatel-Lucent, Huawei, Nokia, Orange, Renesas Electronics Europe, Samsung, Telecom Italia, Qualcomm	WID
noted	11.4.08.1	RP-110117	LightSquared Status Report on Overload Characteristics of GPS Receivers in Proximity to Band 24 eNB.	LightSquared	Report
approved	11.4.08.1	RP-110118	Overload Characteristics of GPS Receivers in Proximity to LTE L-band Terrestrial Base Stations (BTS)	LightSquared	CR
revised in RP-110331	11.4.07.1	RP-110119	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks	Exception RS
revised in RP-110306	14.1	RP-110120	New WI proposal for Enhanced multi-antenna transmission for LTE uplink	Huawei	WID
Merged to 423	14.1	RP-110121	New WI proposal for Efficient radio resource usage in CELL_FACH	Huawei	WID
postponed	14.1	RP-110122	Proposed WID: HSPA Self Optimizing Networks	Huawei	WID
postponed	14.1	RP-110123	Proposed WID: LIPA Mobility and SIPTO at the Local Network RAN Completion	Huawei	WID
revised in RP-110412	14.2	RP-110124	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL	SID
revised in RP-110299	11.2.8.1	RP-110125	Exception Sheet for WI "Automatic Neighbour Relation (ANR) for UTRAN"	ZTE	Exception RS

revised in RP-110300	11.2.9.1	RP-110126	Exception Sheet for WI "Enhancements of Iur-g interface"	ZTE	Exceptional RS
revised in RP-110424	14.1	RP-110127	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks	WID
revised in RP-110417	14.1	RP-110128	WI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation	WID
revised in RP-110371	14.1	RP-110129	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation	WID
noted	14.2	RP-110130	New study item proposal for LTE and HSDPA Carrier Aggregation	Nokia Siemens Networks, Nokia Corporation	Info
revised in RP-110393	14.1	RP-110131	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	WID
revised in RP-110399	11.2.6.1	RP-110132	Support of New Band Combinations for DB_DC_HSDPA-Core	AT&T	Exceptional RS
revised in RP-110409	11.3.7.1	RP-110133	Rel-10 Work Item Exception for E850 Upper band – Core	Sprint	Exceptional RS
revised in RP-110400	11.3.4.1	RP-110134	Rel-10 Work Item Exception for Expanded 1900 MHz Band for UTRA and LTE	Sprint	Exceptional RS
approved	14.1	RP-110135	LTE Advanced Carrier Aggregation of Band 4 and Band 12	Cox Communications	WID
revised in RP-110368	14.1	RP-110136	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T	WID
revised in RP-110369	14.1	RP-110137	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17, 4+5, 5+17	AT&T	WID
withdrawn	12.3.2	RP-110138	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17	AT&T	Status Report
withdrawn	12.3.2.1	RP-110139	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17 (Core)	AT&T	Status Report
withdrawn	12.3.2.2	RP-110140	Status Report, LTE Advanced Carrier Aggregation of Band 4 and Band 17 (Performance)	AT&T	Status Report
	08.2.1	RP-110141	LTE-Advanced" material for Rec. ITU-R M.[IMT.RSPEC]	TSG-RAN ITU-R AdHoc	Approval
noted	09.2.3	RP-110142	Reply LS on introduction of UE test loop mode 4 in TS 34.109	TSG RAN WG2	LS in
noted	06.3	RP-110143	LS on Rel-10 LTE UE capabilities	TSG RAN WG2	LS in
noted	06.3	RP-110144	LS on support for dual band DC-HSDPA+MIMO	TSG RAN WG2	LS in
noted	06.3	RP-110145	LS on UE support of handovers between LTE FDD and LTE TDD	TSG RAN WG5	LS in
noted	06.3	RP-110146	Reply LS to "LS on CRs for MSR specifications"	TSG GERAN WG1	LS in
noted	11.3.5	RP-110147	Reply LS to "LS on Status of the MSR-NC work item"	TSG GERAN WG1	LS in
noted	06.2	RP-110148	Reply LS on enabling detection of unnecessary IRAT HO for Gb-mode BSS	TSG GERAN	LS in
noted	11.2.9	RP-110149	LS on Enhancements of Iur-g interface	TSG GERAN	LS in
noted	06.2	RP-110150	LS on Management of MOCN supporting MSs/UEs in GERAN	TSG GERAN	LS in
noted	08.2.2	RP-110151	Reply LS on "Wide area sensor and/or actuator network (WASN) systems"	TSG GERAN	LS in

approved	09.5.3	RP-110152	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 99 Conformance Testing(TEI_Test)	TSG WG RAN5	CR
approved	09.5.3	RP-110153	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-4 Conformance Testing(TEI4_Test)	TSG WG RAN5	CR
approved	09.5.3	RP-110154	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-5 Conformance Testing(TEI5_Test)	TSG WG RAN5	CR
revised in RP-110373	09.5.3	RP-110155	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 6 Conformance Testing(TEI6_Test)	TSG WG RAN5	CR
approved	09.5.3	RP-110156	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-7 Conformance Testing(TEI7_Test)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110157	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 1)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110158	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 2)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110159	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 3)	TSG WG RAN5	CR
withdrawn	09.5.4.1	RP-110160	RAN5 agreed non TTCN CR(s) under WI LTE Terminal Radio Transmission and Reception Conformance Test Specifications (LTE-UEConTest_RF) (Batch 4)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110161	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 1)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110162	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 2)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110163	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 3)	TSG WG RAN5	CR
approved	09.5.4.1	RP-110164	RAN5 agreed non TTCN CR(s) under WI 3G LTE Terminal Protocol Conformance Test Specifications (LTE-UEConTest_SIG) (Batch 4)	TSG WG RAN5	CR
approved	09.5.4.2	RP-110165	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-8 Conformance Testing(TEI8_Test)	TSG WG RAN5	CR
approved	09.5.4.2	RP-110166	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel-9 Conformance Testing(TEI9_Test)	TSG WG RAN5	CR
approved	09.5.5	RP-110167	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A	TSG WG RAN5	CR
approved	09.5.5	RP-110168	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (TTCN), Annex A	TSG WG RAN5	CR
approved	09.5.5	RP-110169	CR to 34.229-3 (prose) update to v860	TSG WG RAN5	CR
approved	09.5.5	RP-110170	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	TSG WG RAN5	CR

approved	09.5.5	RP-110171	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (TTCN), Annex A	TSG WG RAN5	CR
approved	10.01.1	RP-110172	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – LTE3500 (LTE-UEConTest_LTE3500)	TSG WG RAN5	CR
approved	10.04	RP-110173	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – AGNSS test case development for UMTS (AGNSSTest_UTRAN)	TSG WG RAN5	CR
approved	10.05	RP-110174	RAN5 agreed non TTCN CR(s) under WI Conformance Test Aspects – CT1 aspects of IMS Emergency Calls over GPRS and EPS (IMS_EMER_GPRS_EPS_UEConTest)	TSG WG RAN5	CR
approved	10.06	RP-110175	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Multiple Band and Multiple Frequency operation for LCR TDD (LCRTDD_MB_MF_UEConTest)	TSG WG RAN5	CR
approved	10.07	RP-110176	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Enhanced Dual-layer transmission for LTE TDD (LTEimp-eDL_UEConTest)	TSG WG RAN5	CR
approved	10.08	RP-110177	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Combination of DC-HSDPA with MIMO (RANimp-DC_MIMO_UEConTest)	TSG WG RAN5	CR
approved	10.09	RP-110178	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home NB enhancements for FDD (EHNb-UTRA_FDD_UEConTest)	TSG WG RAN5	CR
revised in RP-110363	10.10	RP-110179	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home eNB enhancements (EHNb-LTE_UEConTest)	TSG WG RAN5	CR
revised in RP-110397	14.2	RP-110180	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson	SID
revised in RP-110398	14.2	RP-110181	New Study Item Proposal: Mobile Relay for EUTRA	CATT, CMCC, CATR	SID
noted	11.2.8.1	RP-110182	3GPP TS 25.484 “Automatic Neighbour Relation (ANR) for UTRAN; Stage 2”	ZTE	TS
approved	11.3.3.1	RP-110183	Update to WI HNB and HeNB Mobility Enhancements	Alcatel-Lucent	WID up
approved	11.3.3.1	RP-110184	TS 25.471: Iurh Interface RNSAP User Adaption signalling Specification	Alcatel-Lucent	TS
revised in RP-110390	14.1	RP-110185	New WI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent	WID
withdrawn	14.1	RP-110186	New WI proposal: Enhancements for HNB	Alcatel-Lucent	WID
withdrawn	14.1	RP-110187	New WI proposal: Enhancements for HeNB	Alcatel-Lucent	WID
postponed	11.3.7.1	RP-110188	Band 26 addition for E850	Alcatel-Lucent	CR
approved	11.3.7.1	RP-110189	Signalling for new band indicator 3	Alcatel-Lucent	CR
approved	10.04	RP-110190	Presentation of TS 34.172 for approval	Spirent Communications	TS
noted	14.1	RP-110191	Overview of LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS	Info
revised in 439	14.1	RP-110192	Work Item Proposal for LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS	WID
postponed	14.1	RP-110193	LTE Self Optimizing Networks (SON) enhancements	Nokia Corporation, Nokia Siemens Networks	info (WID)
approved	11.3.2.1	RP-110194	Exception sheet for WI Core Part: Minimization of drive tests for E-UTRAN and UTRAN: Nokia Siemens Networks	Nokia Siemens Networks,	Exception RS
approved	11.4.09.1	RP-110195	Exception sheet for WI Core part: LTE Self Optimizing Networks (SON) enhancements: Nokia Siemens Networks	Nokia Siemens Networks,	Exception RS

approved	11.2.6.1	RP-110196	TS 25.317: Requirements on User Equipments (UEs) Supporting a release-independent frequency band combination	Nokia Siemens Networks,	TS
noted	11.3.2	RP-110197	Reply LS on MDT UL measurements	TSG RAN WG1	LS in
revised in RP-110308	14.1	RP-110198	New WI proposal: Introduction of New Configuration for 4C-HSDPA	Telus Communications	WID
revised in RP-110415	11.4.05.1	RP-110199	Rel-10 Work Item Exception for Relays for LTE	Ericsson	Exceptional RS
noted	14.1	RP-110200	Relaying in Rel. 11	Ericsson	Disc
revised in RP-110322	06.1	RP-110201	Information on band usage plan in 900 MHz band in Japan	ARIB	Info
postponed	14.1	RP-110202	New WI: LTE Advanced Carrier Aggregation in Band 38 and Band 40	CMCC, Huawei, HiSilicon	WID
noted	09.2.2	RP-110203	Basic principles and way forward for deciding Rel-10 UE capabilities	NTT DOCOMO, INC.	Disc
noted	09.2.2	RP-110204	Operators' opinions on Rel-10 UE capabilities	NTT DOCOMO, INC.	Disc
noted	09.2.2	RP-110205	Mandatory RLF reporting function	NTT DOCOMO, INC.	Disc
noted	11.3.6	RP-110206	Backward compatibility issues with MTC	NTT DOCOMO, INC.	Disc
revised in RP-110314	11.2.5	RP-110207	RAN4 work item exception "Performance Requirements for two-antenna 1.28Mcps TDD Type 1 and Type 2 UE receiver"	TD Tech	Exceptional RS
revised in RP-110315	14.2	RP-110208	Study on HSPA Enhancement for LCR TDD	TD Tech	SID
revised in RP-110372	14.1	RP-110209	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular	WID
revised in	09.2.5.1	RP-110210	Updates to FGI settings	NTT DOCOMO, INC.	CR
revised in	09.2.5.1	RP-110211	Updates to FGI settings	NTT DOCOMO, INC.	CR
revised in RP-110420	14.1	RP-110212	New WI proposal: Further Enhanced TDM-based ICIC for LTE	Qualcomm Incorporated & others	WID
Merged to 423	14.1	RP-110213	New WI proposal: Efficient radio resource usage in CELL_FACH	Qualcomm Incorporated	WID
withdrawn (merged to 436)	14.2	RP-110214	New SI proposal: Further enhancements to CELL_FACH	Qualcomm Incorporated	SID
revised in RP-110367	14.1	RP-110215	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others	WID
postponed	14.2	RP-110216	New SI proposal: Simulation Framework for Heterogeneous Deployments in HSPA	Qualcomm Incorporated	SID
revised in RP-110402	11.4.12	RP-110217	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei	WID update
noted	13.3	RP-110218	Way forward on M2M work in Rel-11	Huawei	Disc
noted	14.1	RP-110219	Control channel design in Rel. 11	Panasonic	Disc
noted	06.3	RP-110220	LS on Rel-10 RAN2 UTRA features	TSG RAN WG2	LS in
approved	09.3.5.1	RP-110221	Rel-9 CRs related to LTE	RAN3	CR
approved	09.3.5.2	RP-110222	TEI9 CRs	RAN3	CR
approved	09.3.6	RP-110223	Correction on MBMS Reset procedure	RAN3	CR
approved	11.1.6	RP-110224	TDD Multicarrier HSUPA CRs	RAN3	CR
approved	11.1.9	RP-110225	TEI10 CRs, set 1	RAN3	CR
approved	11.1.9	RP-110226	TEI10 CRs, set 2	RAN3	CR
approved	11.1.9	RP-110227	LIPA CRs	RAN3	CR
approved	11.2.2.1	RP-110228	Four carrier HSDPA CRs	RAN3	CR
approved	11.2.3.1	RP-110229	RF Pattern Matching Technologies CRs	RAN3	CR

approved	11.3.2.1	RP-110230	Minimization of drive tests CRs	RAN3	CR
approved	11.3.3.1	RP-110231	HNB and HeNB Mobility Enhancements CRs	RAN3	CR
postponed	11.3.4.1	RP-110232	Expanded 1900 MHz Band CRs	RAN3	CR
approved	11.3.6	RP-110233	MTC CN overload CRs	RAN3	CR
partially approved (only R3-110938 is approved)	11.3.6	RP-110234	Technically endorsed stage-3 LTE CRs for the MTC discussion	RAN3	CR
postponed	11.3.7.1	RP-110235	Extending 850 MHz Upper Band CRs	RAN3	CR
approved	11.4.05.1	RP-110236	Relays for LTE CRs	RAN3	CR
approved	11.4.06.1	RP-110237	Enhanced ICIC CRs	RAN3	CR
postponed	11.4.07.1	RP-110238	2 GHz LTE for ATC of MSS in North America CRs	RAN3	CR
approved	11.4.09.1	RP-110239	LTE SON enhancements CRs	RAN3	CR
approved	11.4.11.1	RP-110240	MBMS enhancements for LTE CRs	RAN3	CR
rejected	09.2.5.1	RP-110241	FGI bits related to CDMA2000 in Rel-9	KDDI	CR
rejected	09.2.5.1	RP-110242	FGI bits related to CDMA2000 in Rel-9	KDDI	CR
noted	09.2.4.2	RP-110243	Introduction of the New Test Loop Mode 4 in Rel-8 UEs	NEC, LG Electronics Inc, Fujitsu, Kyocera, Sharp Corporation, NTT DOCOMO, Inc., Panasonic, Intel Corporation	Disc
approved	14.1	RP-110244	UE Conformance Test Aspects – MIMO Operation with Non-MIMO Coexistence in HSDPA	Qualcomm Inc	WID
revised in RP-110410	14.1	RP-110245	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd	WID
revised in RP-110316	14.1	RP-110246	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson	WID
revised in RP-110364	14.1	RP-110247	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson	WID
revised in RP-110365	14.1	RP-110248	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson	WID
revised in RP-110419	13.3	RP-110249	MTC device migration from GSM	Vodafone	Disc
Noted (decision postponed until next meeting)	11.4.01, 10.2	RP-110250	Way forward with Fixed Wireless Customer-Premises Equipment (CPE) RF Requirements	Verizon	Disc
approved	09.1.5.2	RP-110251	CRs to 25.214 to correct CPC procedure for DC-HSUPA	TSG RAN WG1	CR
approved	09.1.5.2	RP-110252	CRs to 25.224 to correct the special burst transmission power calculation for 1.28Mcps TDD	TSG RAN WG1	CR
approved	11.1.6	RP-110253	CR to 25.222 for MC HSUPA for 1.28Mcps TDD	TSG RAN WG1	CR
approved	11.1.9	RP-110254	CR to 36.211/36212 for corrections on UE behavior	TSG RAN WG1	CR
approved	11.1.9	RP-110255	CR to 36.213 for a clarification for redundancy version of PMCH	TSG RAN WG1	CR
approved	11.4.04.1	RP-110256	Set of CRs for corrections to Rel-10 LTE-Advanced features	TSG RAN WG1	CR
approved	11.4.05.1	RP-110257	CR to 36.216 for Rel-10 Relay feature	TSG RAN WG1	CR
approved	11.4.06.1	RP-110258	CR on RLM Procedure/RSRQ measurements	TSG RAN WG1	CR
revised in RP-110326	09.2.5.2	RP-110259	CSFB to GERAN	TeliaSonera	CR
revised in RP-110327	09.2.5.2	RP-110260	CSFB to GERAN	TeliaSonera	CR
revised in RP-110366	19.	RP-110261	On Network Sharing	TeliaSonera, Telefonica, Orange	Disc
revised in RP-110428	11.1.9	RP-110262	Addition of new terms and abbreviations	MCC	CR

Partially approved (all approved except from R2-111431)	09.2.3	RP-110263	Agreed and technically endorsed RAN2 CRs to TS 34.109 on Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	RAN2	CR
approved	09.2.3	RP-110264	Collection of agreed RAN2 CRs on various REL-7 WIs	RAN2	CR
approved	09.2.4.1	RP-110265	Agreed RAN2 CRs on Clarification of band indicator in handover from E-UTRAN to GERAN	RAN2	CR
approved	09.2.4.2	RP-110266	Agreed RAN2 CRs to REL-8 WI HS-DSCH Serving Cell Change Enhancements	RAN2	CR
approved	09.2.4.2	RP-110267	Agreed RAN2 CRs to REL-8 WI Enhanced Uplink for CELL_FACH State in FDD	RAN2	CR
approved	09.2.4.2	RP-110268	Collection of agreed RAN2 CRs on various REL-8 WIs	RAN2	CR
approved	09.2.5.1	RP-110269	Agreed RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Positioning Support for LTE	RAN2	CR
approved	09.2.5.1	RP-110270	Agreed RAN2 CRs for MBMS support in LTE	RAN2	CR
approved	09.2.5.1	RP-110271	Agreed RAN2 CRs for Home NB and Home eNB enhancements - RAN2 aspects	RAN2	CR
approved	09.2.5.1	RP-110272	Agreed RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Technical small enhancements and improvements for REL-9 related to LTE	RAN2	CR
postponed	09.2.5.2	RP-110273	Technically endorsed RAN2 CRs on Measurement ID extension	RAN2	CR
approved	09.2.5.2	RP-110274	Agreed RAN2 CRs for Technical small enhancements and improvements for REL-9 related to UTRA	RAN2	CR
approved	11.1.6	RP-110275	Agreed RAN2 CRs for 1.28 Mcps TDD Multi-carrier HSUPA	RAN2	CR
approved	11.1.7.1	RP-110276	Agreed RAN2 CR for MU-MIMO for 1.28Mcps TDD (core part)	RAN2	CR
approved	11.1.8	RP-110277	Technically endorsed RAN2 CRs on Introduction of a capability indication for the Inter-frequency Detected Set feature	RAN2	CR
approved	11.1.9	RP-110278	Agreed RAN3 CRs to RAN2 TS 36.300 for Local IP Access and Selected Internet IP Traffic Offload	RAN2	CR
approved	11.1.9	RP-110279	Agreed RAN2 CRs for Technical small enhancements and improvements for REL-10 related to UTRA	RAN2	CR
Partially approved (R2-110808 is not approved)	11.1.9	RP-110280	Agreed RAN1/RAN3 CRs to RAN2 TSs and agreed RAN2 CRs for Technical small enhancements and improvements for REL-10 related to LTE	RAN2	CR
approved	11.2.2.1	RP-110281	Agreed RAN2 CR for Four carrier HSDPA (core part)	RAN2	CR
approved	11.3.2.1	RP-110282	Agreed RAN3 CRs to RAN2 TS and agreed RAN2 CRs for Minimization of Drive Tests for E-UTRAN and UTRAN (core part)	RAN2	CR
approved	11.3.3.1	RP-110283	Agreed RAN3 CR to RAN2 TS 36.300 on Routing functionality for X2 handover between HeNB	RAN2	CR
postponed	11.3.4.1	RP-110284	Agreed RAN2 CRs for Expanded 1900 MHz Band for UTRA and LTE (core part)	RAN2	CR
partially approved (only R2-111703 is approved)	11.3.6	RP-110285	Technically endorsed RAN2 CRs related to Network Improvements for Machine-Type Communications for LTE	RAN2	CR

partially approved (only R2-111630 is approved)	11.3.6	RP-110286	Technically endorsed RAN2 CRs related to Network Improvements for Machine-Type Communications for UTRA	RAN2	CR
postponed	11.3.7.1	RP-110287	Technically endorsed RAN2 CRs on Adding Extension of 850 MHz Upper Band (814 - 849 MHz) to TS 25.307	RAN2	CR
approved	11.4.03.1	RP-110288	Agreed RAN2 CR on UE UL&DL MIMO Capabilities	RAN2	CR
approved	11.4.04.1	RP-110289	Agreed RAN2 CRs for Carrier Aggregation for LTE (core part)	RAN2	CR
approved	11.4.04.1	RP-110290	Agreed RAN2 CRs for Carrier Aggregation for LTE (core part), UL multiple antenna transmission for LTE (core part) and Enhanced Downlink Multiple Antenna Transmission for LTE (core part)	RAN2	CR
approved	11.4.05.1	RP-110291	Agreed RAN2 CRs for Relays for LTE (core part)	RAN2	CR
approved	11.4.06.1	RP-110292	Agreed RAN2 CRs for Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE (core part)	RAN2	CR
approved	11.4.09.1	RP-110293	Agreed RAN3 CRs to RAN2 TS and RAN2 CR for LTE Self Optimizing Networks (SON) enhancements (core part)	RAN2	CR
approved	11.4.11.1	RP-110294	Agreed RAN3 CRs to RAN2 TS and RAN2 CR for Further enhancements to MBMS for LTE (core part)	RAN2	CR
revised in RP-110379	14.1	RP-110295	MDT WID Rel-11	Mediatek	WID
noted	13.5	RP-110296	TR of Network Energy Saving for E-UTRAN for information	CMCC	TR
approved	11.4.06	RP-110297	Rel-10 Work Item Exception for “Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE – Core part”	CMCC	Exception RS
Noted (Extension to june requested)	11.2.8.1	RP-110298	Status report for WI Core part: Automatic Neighbour Relation (ANR) for UTRAN: ZTE	RAN3	Report
approved	11.2.8.1	RP-110299	Exception Sheet for WI “Automatic Neighbour Relation (ANR) for UTRAN”	ZTE	Exception RS
approved	11.2.9.1	RP-110300	Exception Sheet for WI “Enhancements of Iur-g interface”	ZTE	Exception RS
revised in RP-110411	11.4.04.1	RP-110301	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks	Exception RS
noted	11.4.04.1	RP-110302	Carrier Aggregation Core Requirement Completion	Nokia Corporation, Nokia Siemens Networks	Disc
noted	11.	RP-110303	REL10 UE Capabilities and Feature Group Indications	Nokia Corporation, Nokia Siemens Networks	Disc
approved	11.2.7.1	RP-110304	Rel-10 Work Item Exception for MIMO operation with non-MIMO coexistence in HSDPA: Core part	Qualcomm Inc	Exception RS
revised in RP-110374	12.1.3.3	RP-110305	WID update: Uplink Transmit Diversity for HSPA	Huawei	WID update
revised in RP-110396	14.1	RP-110306	WI proposal for enhanced uplink transmission for LTE	Huawei	WID
noted	09.3.1	RP-110307	List of CRs from RAN WG3	RAN3	Info
approved	14.1	RP-110308	New WI proposal: Introduction of New Configuration for 4C-HSDPA	Telus Communications	WID
revised in RP-110382	09.2.5.2	RP-110309	CSFB to GERAN	TeliaSonera	CR
revised in RP-110383	09.2.5.2	RP-110310	CSFB to GERAN	TeliaSonera	CR

postponed	11.4.08.1	RP-110311	Requirement for Band 24 UE emission, co-exsiting with RNSS/GPS	LightSquared	CR
noted	11.4.08	RP-110312	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council	LS in
noted	09.4.2	RP-110313	On how to address RAN4 overload on new bands & band combinations	Qualcomm Incorporated	Disc
withdrawn	11.2.5	RP-110314	RAN4 work item exception "Performance Requirements for two-antenna 1.28Mcps TDD Type 1 and Type 2 UE receiver"	TD Tech	Exception RS
postponed	14.2	RP-110315	Study on HSPA Enhancement for LCR TDD	TD Tech	SID
revised in RP-110423	14.1	RP-110316	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson	WID
approved	08.2.1	RP-110317	Draft accompanying letter for the submission of the Global Core Specifications (GCS) for Rec. ITU-R M.[IMT.RSPEC]	ITU-R Ad Hoc Contact Person	Approval
approved	08.2.2	RP-110318	Cover page for the submission to ITU-R WP5D of the revision of TR21.905	ITU-R Ad Hoc	Approval
approved	08.2.2	RP-110319	Draft response to ITU-R WP5A on "Wide area sensor and/or actuator network (WASN) systems"	ITU-R Ad Hoc	LSout
approved	08.2.2	RP-110320	Draft response to ITU-R WP5A on "Quality of Service Requirements and Objectives for Wireless Access Systems"	ITU-R Ad Hoc	LSout
approved	08.2.2	RP-110321	Draft response to ITU-R WP5A on the Working Document towards a Preliminary Draft New Report ITU-R M.[LMS.PPDR.UHF TECH]	ITU-R Ad Hoc	LSout
noted	06.1	RP-110322	Information on band usage plan in 900 MHz band in Japan	ARIB	Info
noted	13.3	RP-110323	Way forward for the MTC SI	ZTE	Disc (For Discuss & Decisi
revised in RP-110376	11.4.03.1	RP-110324	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei	Exception RS
Noted(completion date change approved)	10.11	RP-110325	Status report for WI Conformance Test Aspects – MBMS support in LTE: Huawei	RAN5	Report
revised in RP-110380	09.2.5.2	RP-110326	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia	CR
revised in RP-110381	09.2.5.2	RP-110327	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia	CR
noted	17.	RP-110328	Support Team report	MCC	Report
Noted (extension date approved)	11.4.07.1	RP-110329	Status report for WI Core part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4	Report
Noted (Completion level and Date approved)	11.4.07.2	RP-110330	Status report for WI Performance part: Adding 2 GHz band LTE for ATC of MSS in North America: TerreStar, DBSD (formerly ICO)	RAN4	Report
revised in RP-110401	11.4.07.1	RP-110331	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks	Exception RS
approved	09.2.5.2	RP-110332	Agreed RAN2 REL-10 CRs to WI on Combination of DB-HSDPA and MIMO	RAN2	CR
revised in 422	09.2.5.2	RP-110333	Technically endorsed RAN2 CRs for Dual Band Dual Cell HSDPA combination with MIMO	RAN2	CR
approved	09.4.3	RP-110334	Rel-7 maintenance CRs for 25.123 Spec.	RAN4	CR

approved	09.4.3	RP-110335	maintenance CRs for 25.102 Spec.	RAN4	CR
approved	09.4.4.1	RP-110336	maintenance CRs for LTE OOB and Spurious emissions	RAN4	CR
approved	09.4.4.1	RP-110337	Rel-8 maintenance CRs for LTE power tolerance	RAN4	CR
approved	09.4.4.1	RP-110338	Rel-8 maintenance CRs for other LTE RF aspects	RAN4	CR
approved	09.4.4.1	RP-110339	Rel-8 maintenance CRs for LTE RRM: Cell reselection	RAN4	CR
approved	09.4.4.1	RP-110340	Rel-8 maintenance CRs for LTE RRM	RAN4	CR
approved	09.4.4.2	RP-110341	Rel-8 small Technical Enhancements and Improvements: RF CRs	RAN4	CR
approved	09.4.4.2	RP-110342	Rel-8 small Technical Enhancements and Improvements: RRM CRs	RAN4	CR
approved	09.4.5.1	RP-110343	Rel-9 maintenance CRs for LTE	RAN4	CR
approved	09.4.5.2	RP-110344	Rel-9 small Technical Enhancements and Improvements CRs	RAN4	CR
approved	09.4.5.2	RP-110345	Rel-9 CRs for Dual-Cell UL and DL HSPA	RAN4	CR
approved	09.4.5.2	RP-110346	Multi-band for Dual-cell HSDPA Rel-9 CRs	RAN4	CR
approved	09.4.5.2	RP-110347	Rel-9 CRs for Enhanced Home NodeB / eNodeB	RAN4	CR
approved	09.4.5.2	RP-110348	Rel-9 CRs for Positioning Support for LTE	RAN4	CR
approved	09.4.5.2	RP-110349	Rel-9 CRs for Enhanced Dual-Layer transmission for LTE	RAN4	CR
approved	11.1.4.1	RP-110350	CRs for LTE TDD in 2600MHz for US (Region 2) ,Core part	RAN4	CR
approved	11.1.5	RP-110351	CR for AGNSS Minimum Performance for UTRAN	RAN4	CR
approved	11.1.9	RP-110352	Rel-10 Small Technical Enhancements and Improvements CRs	RAN4	CR
approved	11.2.1	RP-110353	CRs for “UE Over the Air (Antenna) conformance testing methodology- Laptop Mounted Equipment Free Space test” WI	RAN4	CR
approved	11.2.2.1	RP-110354	CRs for Four carrier HSDPA, Core part	RAN4	CR
approved	11.2.6.1	RP-110355	CRs for the Support of New Band Combinations for Dual-Band Dual Cell HSDPA Core part	RAN4	CR
revised in RP-110407	11.2.7.2	RP-110356	CR for MIMO operation with non-MIMO coexistence in HSDPA	RAN4	CR
approved	11.3.1	RP-110357	CRs for UMTS/LTE 3500 MHz	RAN4	CR
postponed	11.3.7.1	RP-110358	CRs for Extending 850 MHz Upper Band (814 – 849 MHz), Core part	RAN4	CR
approved	11.4.04.1	RP-110359	Carrier Aggregation for LTE, Core part CRs	RAN4	CR
approved	11.4.08.1	RP-110360	CRs for Adding L-Band LTE for ATC of MSS in North America, Core part	RAN4	CR
approved	03.	RP-110361	Report of RAN#50 meeting	MCC	Report
noted	09.5.1	RP-110362	List of CRs from RAN WG5	RAN5	Info
approved	10.10	RP-110363	RAN5 agreed non TTCN CR(s) under WI Conformance test aspects – Home eNB enhancements (EHNB-LTE_UEConTest)	TSG WG RAN5	CR
revised in RP-110416	14.1	RP-110364	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson	WID
revised in RP-110427	14.1	RP-110365	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson	WID
noted	19.	RP-110366	On Network Sharing	TeliaSonera, Telefonica, Orange	Disc
revised in 441	14.1	RP-110367	New WI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others	WID
revised in 435	14.1	RP-110368	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T	WID
revised into three document 432, 433, 434	14.1	RP-110369	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17, 4+5, 5+17	AT&T	WID
postponed	14.1	RP-110370	Minimization of drive tests enhancements	Nokia Siemens Networks	WID

revised in RP-110430	14.1	RP-110371	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation	WID
approved	14.1	RP-110372	LTE-Advanced Carrier Aggregation of Band 5 and Band 12	US Cellular	WID
approved	09.5.3	RP-110373	RAN5 agreed non TTCN CR(s) under WI Small Technical Enhancements and Improvements for Rel 6 Conformance Testing(TEI6_Test)	TSG WG RAN5	CR
approved	12.1.3.3	RP-110374	WID update: Uplink Transmit Diversity for HSPA	Huawei	WID up
revised in RP-110394	11.4.03.1	RP-110375	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1	Report
revised in RP-110395	11.4.03.1	RP-110376	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei	Exception RS
approved	14.1	RP-110377	Work item proposal for UE conformance test aspects for the E850 upper band	Sprint, Alcatel-Lucent, Ericsson, ST Ericsson	WID
approved	14.1	RP-110378	Work item proposal for UE conformance test specifications for 3GPP Band 24 LTE FDD frequency band	LightSquared	WID
Postponed	14.1	RP-110379	MDT WID Rel-11	Mediatek	WID
revised in RP-110404	09.2.5.2	RP-110380	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
revised in RP-110405	09.2.5.2	RP-110381	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
rejected	09.2.5.2	RP-110382	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
rejected	09.2.5.2	RP-110383	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
noted	14	RP-110384	Inter-RAT load balancing / carrier aggregation	Alcatel Lucent	Discuss
approved	13.10	RP-110385	WID update: Inclusion of RF Pattern Matching as a positioning method in the E-UTRAN	Polaris Wireless	WID up
approved	10.01.2	RP-110386	WID update : Conformance test aspects – UMTS 3500	Ericsson	WID up
Noted (Extention of the completion date is approved)	11.4.04.1	RP-110387	Status report for WI Core part: Carrier Aggregation for LTE: Nokia	RAN1	Report
revised in RP-110389	09.04.2	RP-110388	Prioritization of RAN4 work	RAN4 chairman (Fujitsu)	Disc
endorsed	09.04.2	RP-110389	Prioritization of RAN4 work	RAN4 chairman (Fujitsu)	Disc
revised in 449	14.1	RP-110390	New WI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent	WID
Noted (see minutes for Way forward)	09.04.2	RP-110391	RAN4 bands and band combinations overload	Qualcomm	Approval (way forward)
noted	14.	RP-110392	RAN 1 chairman's guidance on approval of Wis/Sis to be led by RAN1	RAN1 chairman (Alcatel-Lucent)	Disc
revised in RP-110418	14.1	RP-110393	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	WID

Noted (Completion date extension is approved)	11.4.03.1	RP-110394	Status report for WI Core part: UL multiple antenna transmission for LTE: Huawei	RAN1	Report
approved	11.4.03.1	RP-110395	Exception sheet for WI Core part: UL multiple antenna transmission for LTE	Huawei	Exception RS
revised in 448	14.1	RP-110396	SI proposal for enhanced uplink transmission for LTE	Huawei	SID
revised in 440	14.2	RP-110397	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson	SID
postponed	14.2	RP-110398	New Study Item Proposal: Mobile Relay for EUTRA	CATT, CMCC, CATR	SID
approved	11.2.6.1	RP-110399	Support of New Band Combinations for DB_DC_HSDPA-Core	AT&T	Exception RS
approved	11.3.4.1	RP-110400	Rel-10 Work Item Exception for Expanded 1900 MHz Band for UTRA and LTE	Sprint	Exception RS
approved	11.4.07.1	RP-110401	Rel-10 Work Item Exception for Adding 2 GHz band LTE for ATC of MSS in North America	DBSD, Terrestar Networks	Exception RS
revised in 452	11.4.12	RP-110402	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei	WID update
approved	14.1	RP-110403	Work Item proposal: LTE Advanced Carrier Aggregation of Band 20 and Band 7	Orange	WID
approved	09.2.5.2	RP-110404	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
approved	09.2.5.2	RP-110405	CSFB to GERAN	TeliaSonera. Orange, Telecom Italia, CMCC	CR
noted	14.	RP-110406	Rel-11 MDT way forward.	NSN	
approved	11.2.7.2	RP-110407	CR for MIMO operation with non-MIMO coexistence in HSDPA	RAN4	CR
approved	11.3.2.1	RP-110408	CRs for CR for Minimization of drive tests for E-UTRAN and UTRAN	RAN4	CR
approved	11.3.7.1	RP-110409	Rel-10 Work Item Exception for E850 Upper band – Core	Sprint	Exception RS
revised in 454	14.1	RP-110410	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd	WID
revised in RP-110414	11.4.04.1	RP-110411	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks	Exception RS
revised in 447	14.2	RP-110412	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL	SID
Noted(completion date change approved)	11.4.03.2	RP-110413	Status report for WI Performance part: UL multiple antenna transmission for LTE: Huawei	RAN4	Report
approved	11.4.04.1	RP-110414	Exception sheet for WI Core Part: Carrier Aggregation for LTE - core part	Nokia Corporation, Nokia Siemens Networks	Exception RS
approved	11.4.05.1	RP-110415	Rel-10 Work Item Exception for Relays for LTE	Ericsson	Exception RS
approved (starts after june)	14.1	RP-110416	New WI proposal: Non-contiguous multi-carrier HSDPA operation	Ericsson, ST-Ericsson	WID

revised in 438	14.1	RP-110417	WI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation, ALU	WID
revised in 457	14.1	RP-110418	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	SID
noted	13.3	RP-110419	MTC device migration from GSM	Vodafone	Disc
approved	14.1	RP-110420	New WI proposal: Further Enhanced Non CA-based ICIC for LTE	Qualcomm Incorporated & others	WID
revised in RP-110425	16.	RP-110421	Response to USGPSIC letter	LightSquared	LS out
approved	09.2.5.2	RP-110422	Dual Band Dual Cell MIMO only Release 10 UE not 3C or 4C capable	Qualcomm and all	CR
recised 436	14.1	RP-110423	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson	WID
revised in 451	14.1	RP-110424	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks	WID
revised in RP-110429	16.	RP-110425	Response to USGPSIC letter	LightSquared	LS out
withdrawn	09.4.2	RP-110426	Working assumptions for the expected new Wis for CA inter-band combinations	Disc	RAN4 cl
postponed	14.1	RP-110427	New WI proposal: 700 MHz band in APAC Region	Ericsson, ST-Ericsson	WID
andorsed	11.1.9	RP-110428	Addition of new terms and abbreviations	MCC	CR
approved	16.	RP-110429	Response to USGPSIC letter	LightSquared	LS out
revised 437	14.1	RP-110430	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation	WID
noted	09.4.1	RP-110431	List of CRs from RAN WG4	RAN4	Info
approved	14.1	RP-110432	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 2+17	AT&T	WID
approved	14.1	RP-110433	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 4+5	AT&T	WID
approved	14.1	RP-110434	Work Item Proposal: LTE Advanced Carrier Aggregation Bands 5+17	AT&T	WID
approved	14.1	RP-110435	Work Item Proposal: New Band LTE Downlink FDD 716-728 MHz	AT&T	WID
approved	14.1	RP-110436	New WI proposal: Further Enhancements to CELL_FACH	Ericsson, ST-Ericsson	WID
approved	14.1	RP-110437	WI Proposal: Carrier based HetNet ICIC for LTE	Nokia Siemens Networks, Nokia Corporation	WID
approved	14.1	RP-110438	SI Proposal: HetNet mobility improvements for LTE	Nokia Siemens Networks, Nokia Corporation, ALU	SID
approved	14.1	RP-110439	Work Item Proposal for LTE E850 Lower Band for Region 2 (non-U.S.)	NII Holdings, TELUS	WID
revised in RP-110450	14.2	RP-110440	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson	SID
revised in 453	14.1	RP-110441	New SI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others	SID
revised in 455	09.2.5.1	RP-110442	Updates to FGI settings	NTT DOCOMO, INC.	CR
approved	09.2.5.1	RP-110443	Updates to FGI settings	NTT DOCOMO, INC.	CR
noted	9.2,2	RP-110444	Report of Ad-Hoc sessions on UE capabilities related issues	NTT DOCOMO, INC.	approva
revised in 458	16.	RP-110445	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.	LS out
rejected	9.3.2	RP-110446	Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	Ericsson, ST-Ericsson	CR

approved	14.2	RP-110447	SID proposal: Interference analysis between 800~900 MHz bands	LG Uplus, LG Electronics , Samsung, KT, SKT,KTL	SID
approved	14.1	RP-110448	SI proposal for enhanced uplink transmission for LTE	Huawei	SID
revised in 456	14.1	RP-110449	New SI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent	SID
approved	14.2	RP-110450	New study item proposal: Further Enhancements to LTE TDD for DL-UL Interference Management and Traffic Adaptation	CATT, Ericsson, ST-Ericsson	SID
approved	14.1	RP-110451	WI Proposal: LTE CA enhancements	Nokia Corporation, Nokia Siemens Networks	WID
approved	11.4.12	RP-110452	WID update: Service continuity, counting improvements and location information for MBMS for LTE	Huawei	WID upo
postponed	14.1	RP-110453	New SI proposal: Positioning Enhancements for HNB/HeNB	Qualcomm Incorporated & others	SID
approved	14.1	RP-110454	New WI Proposal for LTE RAN Enhancements for Diverse Data Applications	Research In Motion UK Ltd., Intel Corporation, Deutsche Telekom, AT&T, Qualcomm Incorporated, Nokia, Nokia Siemens Networks, IPWireless Inc., Sony Europe Ltd., MediaTek, KDDI, Telefonica, NEC, Renesas Electronics Europe, Huawei, HiSilicon, Telecom Italia, Motorola, Vodafone Group, CMCC,	WID
approved	09.2.5.1	RP-110455	Updates to FGI settings	NTT DOCOMO, INC.	CR
approved	14.1	RP-110456	New SI proposal: Enhancements for HNB and HeNB	Alcatel-Lucent	SID
approved	14.1	RP-110457	Study on MIMO Enhancement for LTE-Advanced	Alcatel-Lucent, Alcatel-Lucent Shanghai Bell	SID
revised in 459	16.	RP-110458	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.	LS out
approved	16.	RP-110459	Draft LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.	LS out

Annex C:

Incoming liaison statements (LSin)

status	Agenda item	Tdoc	Title	Source	Type
noted	08.2	RP-110005	LS on the consideration of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc	LS in
noted	08.2	RP-110006	LS on additional considerations of Relay Nodes in the LTE-Advanced material for Rec. ITU-R M.[IMT.RSPEC] to be submitted to ITU-R WP5D#10 (6-13 April, 2011)	RAN ITU-R Ad Hoc	LS in
noted	06.1	RP-110007	LS on E-UTRA BS emission limits in European Harmonised Standards	ETSI MSG	LS in
noted	11.4.08	RP-110008	LS from The United States Global Positioning System (GPS) Industry Council	United States GPS Industry Council	LS in
noted	11.4.08	RP-110009	Liaison letter from GPS Industry Council (Final Letter)	United States GPS Industry Council	LS in
noted	06.2	RP-110010	Way forward on DVB-NGH and eMBMS convergence	3GPP TSG SA	LS in
noted	11.4.05	RP-110011	LS on exception to SA WG3 to continue working on Relay Node	3GPP TSG SA	LS in
noted	11.4.05	RP-110012	LS on Security for LTE relay nodes	TSG SA WG3	LS in
noted	11.4.03	RP-110013	LS on phase continuity for UL MIMO	TSG RAN WG1	LS in
noted	06.3	RP-110014	Reply LS on CN node selection	TSG RAN WG2	LS in
noted	11.3.6	RP-110015	Reply to C1-110757 on Provision of the RRC establishment cause "Delay tolerant"	TSG RAN WG2	LS in
noted	11.4.05	RP-110016	Reply LS on Security for LTE relay nodes	TSG RAN WG3	LS in
withdrawn	11.3.1	RP-110017	LS on Status of work on UMTS/LTE 3500 MHz	TSG RAN WG4	LS in
noted	06.3	RP-110018	LS on CRs for MSR specifications	TSG RAN WG4	LS in
noted	11.3.5	RP-110019	LS on Status of the MSR-NC work item	TSG RAN WG4	LS in
revised in RP-110312	11.4.08	RP-110114	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council	LS in
noted	09.2.3	RP-110142	Reply LS on introduction of UE test loop mode 4 in TS 34.109	TSG RAN WG2	LS in
noted	06.3	RP-110143	LS on Rel-10 LTE UE capabilities	TSG RAN WG2	LS in
noted	06.3	RP-110144	LS on support for dual band DC-HSDPA+MIMO	TSG RAN WG2	LS in
noted	06.3	RP-110145	LS on UE support of handovers between LTE FDD and LTE TDD	TSG RAN WG5	LS in
noted	06.3	RP-110146	Reply LS to "LS on CRs for MSR specifications"	TSG GERAN WG1	LS in
noted	11.3.5	RP-110147	Reply LS to "LS on Status of the MSR-NC work item"	TSG GERAN WG1	LS in
noted	06.2	RP-110148	Reply LS on enabling detection of unnecessary IRAT HO for Gb-	TSG GERAN	LS in

			mode BSS		
noted	11.2.9	RP-110149	LS on Enhancements of Iur-g interface	TSG GERAN	LS in
noted	06.2	RP-110150	LS on Management of MOCN supporting MSs/UEs in GERAN	TSG GERAN	LS in
noted	08.2.2	RP-110151	Reply LS on "Wide area sensor and/or actuator network (WASN) systems"	TSG GERAN	LS in
noted	11.3.2	RP-110197	Reply LS on MDT UL measurements	TSG RAN WG1	LS in
noted	06.3	RP-110220	LS on Rel-10 RAN2 UTRA features	TSG RAN WG2	LS in
noted	11.4.08	RP-110312	Liaison letter from "The United States Global Positioning System (GPS) Industry Council (USGPSIC)" (4th of March 2011)	United States GPS Industry Council	LS in

Annex D:

Approved Outgoing liaison statements (LSout)

Agenda item	Tdoc	Title	Source	Type
08.2.2	RP-110319	Response to ITU-R WP5A on “Wide area sensor and/or actuator network (WASN) systems”	ITU-R Ad Hoc	LS out
08.2.2	RP-110320	Response to ITU-R WP5A on “Quality of Service Requirements and Objectives for Wireless Access Systems”	ITU-R Ad Hoc	LS out
08.2.2	RP-110321	Response to ITU-R WP5A on the Working Document towards a Preliminary Draft New Report ITU-R M.[LMS.PPDR.UHF TECH]	ITU-R Ad Hoc	LS out
16.	RP-110429	Response to USGPSIC letter	LightSquared	LS out
16.	RP-110459	LS on rel-10 UE capabilities (To RAN1, 2, 3, 4, 5)	NTT DOCOMO, INC.	LS out

Annex E:

List of Change Requests (CRs)

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	Subject	CR written to	Resulting vers	WG	Workitem
25.214	0632	5	Rel-9	F	RP-110251	R1-111108	Correction to CPC procedure for DC-HSUPA	9.4.0	9.5.0	R1	RANimp-DC_HSUPA
25.214	0633	5	Rel-10	A	RP-110251	R1-111109	Correction to CPC procedure for DC-HSUPA	10.1.0	10.2.0	R1	RANimp-DC_HSUPA
25.222	0209	1	Rel-10	F	RP-110253	R1-110531	Correction to TS 25.222 for MC HSUPA for 1.28Mcps TDD	10.0.0	10.1.0	R1	TDD_MC_HSUPA
25.224	0264	1	Rel-9	F	RP-110252	R1-110528	Correction of the special burst transmission power calculation for 1.28Mcps TDD	9.3.0	9.4.0	R1	TEI9
25.224	0265	1	Rel-10	A	RP-110252	R1-110529	Correction of the special burst transmission power calculation for 1.28Mcps TDD	10.0.0	10.1.0	R1	TEI9
36.211	0149	1	Rel-10	F	RP-110254	R1-110691	Correction on UE behavior for PRACH preamble format 4	10.0.0	10.1.0	R1	LTE-Phys
36.211	0150	-	Rel-10	F	RP-110256	R1-111214	Corrections to Rel-10 LTE-Advanced features in 36.211	10.0.0	10.1.0	R1	LTE_CA-Core, LTE_eDL_MIMO-Core, LTE_UL_MIMO-Core
36.212	0101	-	Rel-10	F	RP-110254	R1-111135	Correction on UE behavior upon receiving DCI format 1B	10.0.0	10.1.0	R1	LTE-Phys
36.212	0102	-	Rel-10	F	RP-110256	R1-111215	Corrections to Rel-10 LTE-Advanced features in 36.212	10.0.0	10.1.0	R1	LTE_CA-Core, LTE_eDL_MIMO-Core, LTE_UL_MIMO-Core
36.213	0271	1	Rel-10	F	RP-110255	R1-111134	A clarification for redundancy version of PMCH	10.0.1	10.1.0	R1	MBMS_LTE
36.213	0272	-	Rel-10	C	RP-110258	R1-111119	RLM Procedure with restricted measurements	10.0.1	10.1.0	R1	eICIC_LTE-Core
36.213	0273	-	Rel-10	F	RP-110256	R1-111216	Corrections to Rel-10 LTE-Advanced features in 36.213	10.0.1	10.1.0	R1	LTE_CA-Core, LTE_eDL_MIMO-Core, LTE_UL_MIMO-Core
36.214	0016	-	Rel-10	C	RP-110258	R1-111123	RSRQ Measurement with ABS	10.0.0	10.1.0	R1	eICIC_LTE-Core
36.216	0002	-	Rel-10	B	RP-110257	R1-111217	Capturing of agreements on relaying from RAN1#64	10.1.0	10.2.0	R1	LTE_Relay-Core
25.304	0270	-	Rel-10	B	RP-110282	R2-111452	Introduction of Minimization of Drive Tests	9.3.0	10.0.0	R2	MDT_UMTSLTE-Core
25.304	0273	-	Rel-9	F	RP-110271	R2-111500	25.304 correction on manual CSG selection	9.3.0	9.4.0	R2	EHNB-RAN2
25.306	0285	-	Rel-8	F	RP-110268	R2-110746	Correction of buffer sizes for 64QAM+MIMO, DC-HSDPA categories	8.10.0	8.11.0	R2	RANimp-64QamMimoHsdpa, RANimp-DCHSDPA
25.306	0286	-	Rel-9	A	RP-110268	R2-110747	Correction of buffer sizes for 64QAM+MIMO, DC-HSDPA categories	9.5.0	9.6.0	R2	RANimp-64QamMimoHsdpa, RANimp-DCHSDPA
25.306	0287	-	Rel-10	A	RP-110268	R2-110748	Correction of buffer sizes for 64QAM+MIMO, DC-HSDPA categories	10.1.0	10.2.0	R2	RANimp-64QamMimoHsdpa, RANimp-DCHSDPA
25.306	0289	-	Rel-10	F	RP-110279	R2-111462	Extend the carrier capability for Multi-Carrier HSDPA for 1.28Mcps TDD	10.1.0	10.2.0	R2	TEI10
25.306	0290	-	Rel-7	F	RP-110264	R2-111434	Clarification to the carrier capability in Multi-Carrier HSDPA for 1.28Mcps TDD	7.10.0	7.11.0	R2	TEI7
25.306	0291	-	Rel-8	A	RP-110264	R2-111435	Clarification to the carrier capability in Multi-Carrier HSDPA for 1.28Mcps TDD	8.10.0	8.11.0	R2	TEI7
25.306	0292	-	Rel-9	A	RP-110264	R2-111436	Clarification to the carrier capability in Multi-Carrier HSDPA for 1.28Mcps TDD	9.5.0	9.6.0	R2	TEI7
25.306	0293	-	Rel-10	F	RP-110264	R2-111437	Clarification to the carrier capability in Multi-Carrier HSDPA for 1.28Mcps TDD	10.1.0	10.2.0	R2	TEI7, TEI10
25.306	0295	-	Rel-10	B	RP-110282	R2-111506	Counter proposal to R2-110749 on UE capabilities for MDT	10.1.0	10.2.0	R2	MDT_UMTSLTE-Core
25.306	0297	1	Rel-10	B	RP-110332	R2-111649	Combination of DB-HSDPA and MIMO	10.1.0	10.2.0	R2	TEI10, RANimp-MultiBand_DC_HSDPA
25.308	0105	-	Rel-7	F	RP-110264	R2-110750	Stage 2 correction on the number of PCCH transmissions	7.11.0	7.12.0	R2	RANimp-EnhState

25.308	0106	-	Rel-8	A	RP-110264	R2-110751	Stage 2 correction on the number of PCCH transmissions	8.9.0	8.10.0	R2	RANimp-EnhState
25.308	0107	-	Rel-9	A	RP-110264	R2-110752	Stage 2 correction on the number of PCCH transmissions	9.4.0	9.5.0	R2	RANimp-EnhState
25.308	0108	-	Rel-10	A	RP-110264	R2-110753	Stage 2 correction on the number of PCCH transmissions	10.3.0	10.4.0	R2	RANimp-EnhState
25.308	0112	-	Rel-10	B	RP-110332	R2-111466	Combination of DB-HSDPA and MIMO	10.3.0	10.4.0	R2	TEI10, RANimp-MultiBand_DC_HSDPA
25.319	0075	-	Rel-8	F	RP-110267	R2-110754	Clarification of 16QAM support for Enhanced Uplink in CELL_FACH state and Idle mode	8.10.0	8.11.0	R2	RANimp-UplinkEnhState
25.319	0076	-	Rel-9	A	RP-110267	R2-110755	Clarification of 16QAM support for Enhanced Uplink in CELL_FACH state and Idle mode	9.4.0	9.5.0	R2	RANimp-UplinkEnhState
25.319	0077	-	Rel-10	A	RP-110267	R2-110756	Clarification of 16QAM support for Enhanced Uplink in CELL_FACH state and Idle mode	10.3.0	10.4.0	R2	RANimp-UplinkEnhState
25.319	0079	-	Rel-8	F	RP-110268	R2-111412	Correction to MAC-is PDU data structure	8.10.0	8.11.0	R2	RANimp-UplinkL2dataRates
25.319	0080	-	Rel-9	A	RP-110268	R2-111413	Correction to MAC-is PDU data structure	9.4.0	9.5.0	R2	RANimp-UplinkL2dataRates
25.319	0081	-	Rel-10	A	RP-110268	R2-111414	Correction to MAC-is PDU data structure	10.3.0	10.4.0	R2	RANimp-UplinkL2dataRates
25.331	4435	-	Rel-8	F	RP-110267	R2-110757	Change in the radio bearer mapping due to a system info message	8.13.0	8.14.0	R2	RANimp-UplinkEnhState
25.331	4436	-	Rel-9	A	RP-110267	R2-110758	Change in the radio bearer mapping due to a system info message	9.5.0	9.6.0	R2	RANimp-UplinkEnhState
25.331	4437	-	Rel-10	A	RP-110267	R2-110759	Change in the radio bearer mapping due to a system info message	10.2.0	10.3.0	R2	RANimp-UplinkEnhState
25.331	4438	-	Rel-10	F	RP-110276	R2-110760	Clarification on MU-MIMO capability for LCR TDD	10.2.0	10.3.0	R2	MUMIMO_LCR_TDD-Core
25.331	4439	-	Rel-8	F	RP-110268	R2-110761	Clarification on UE behavior after transtion to enhanced CELL_FACH for LCR TDD	8.13.0	8.14.0	R2	RANimp-EnhState1.28TDD
25.331	4440	-	Rel-9	A	RP-110268	R2-110762	Clarification on UE behavior after transtion to enhanced CELL_FACH for LCR TDD	9.5.0	9.6.0	R2	RANimp-EnhState1.28TDD
25.331	4441	-	Rel-10	A	RP-110268	R2-110763	Clarification on UE behavior after transtion to enhanced CELL_FACH for LCR TDD	10.2.0	10.3.0	R2	RANimp-EnhState1.28TDD
25.331	4442	-	Rel-8	F	RP-110267	R2-110764	Correction of RB mapping option selection for HSPA_RNTI_STORED_CELL_PCH	8.13.0	8.14.0	R2	RANimp-UplinkEnhState
25.331	4443	-	Rel-9	A	RP-110267	R2-110765	Correction of RB mapping option selection for HSPA_RNTI_STORED_CELL_PCH	9.5.0	9.6.0	R2	RANimp-UplinkEnhState
25.331	4444	-	Rel-10	A	RP-110267	R2-110766	Correction of RB mapping option selection for HSPA_RNTI_STORED_CELL_PCH	10.2.0	10.3.0	R2	RANimp-UplinkEnhState
25.331	4445	1	Rel-9	F	RP-110274	R2-111448	Correction on deferring SIB11 reading	9.5.0	9.6.0	R2	TEI9
25.331	4446	1	Rel-10	A	RP-110274	R2-111449	Correction on deferring SIB11 reading	10.2.0	10.3.0	R2	TEI9
25.331	4447	-	Rel-8	F	RP-110268	R2-110769	Correction on Scheduling Info parameters for LCR TDD	8.13.0	8.14.0	R2	RANimp-UplinkL2dataRates, RANimp-EnhState1.28TDD
25.331	4448	-	Rel-9	A	RP-110268	R2-110770	Correction on Scheduling Info parameters for LCR TDD	9.5.0	9.6.0	R2	RANimp-UplinkL2dataRates, RANimp-EnhState1.28TDD
25.331	4449	-	Rel-10	A	RP-110268	R2-110771	Correction on Scheduling Info parameters for LCR TDD	10.2.0	10.3.0	R2	RANimp-UplinkL2dataRates, RANimp-EnhState1.28TDD
25.331	4450	-	Rel-10	F	RP-110279	R2-110772	Correction to SRNC relocation asn1 to include Rel-10 measurement types	10.2.0	10.3.0	R2	TEI10, TDD_MC_HSUPA, Interf_dset_meas_UMTS
25.331	4451	-	Rel-8	F	RP-110266	R2-110773	Inconsistency between ASN.1 and tabular format for Active Set Update message	8.13.0	8.14.0	R2	RANimp-HSDSCH
25.331	4452	-	Rel-9	A	RP-110266	R2-110774	Inconsistency between ASN.1 and tabular format for Active Set Update message	9.5.0	9.6.0	R2	RANimp-HSDSCH
25.331	4453	-	Rel-10	A	RP-110266	R2-110775	Inconsistency between ASN.1 and tabular format for Active Set Update message	10.2.0	10.3.0	R2	RANimp-HSDSCH
25.331	4454	-	Rel-7	F	RP-110264	R2-110776	PCI Weight set restriction logic	7.18.0	7.19.0	R2	MIMO-L23

25.331	4455	-	Rel-8	A	RP-110264	R2-110777	PCI Weight set restriction logic	8.13.0	8.14.0	R2	MIMO-L23
25.331	4456	-	Rel-9	A	RP-110264	R2-110778	PCI Weight set restriction logic	9.5.0	9.6.0	R2	MIMO-L23
25.331	4457	-	Rel-10	A	RP-110264	R2-110779	PCI Weight set restriction logic	10.2.0	10.3.0	R2	MIMO-L23
25.331	4458	-	Rel-10	F	RP-110264	R2-110780	RB mapping 'DCH + HS-DSCH' for MAC-e-hs	10.2.0	10.3.0	R2	RANimp-L2DataRates
25.331	4459	-	Rel-9	F	RP-110274	R2-110781	Removal of inappropriate comment in ASN.1 for RSRQ based cell reselection parameters	9.5.0	9.6.0	R2	TEI9
25.331	4460	-	Rel-10	A	RP-110274	R2-110782	Removal of inappropriate comment in ASN.1 for RSRQ based cell reselection parameters	10.2.0	10.3.0	R2	TEI9
25.331	4461	1	Rel-10	B	RP-110282	R2-111508	UE Capabilities for MDT	10.2.0	10.3.0	R2	MDT_UMTSLTE-Core
25.331	4462	-	Rel-7	F	RP-110264	R2-110784	Use of New H-RNTI in UMI message in CELL_DCH state	7.18.0	7.19.0	R2	TEI7
25.331	4463	-	Rel-8	A	RP-110264	R2-110785	Use of New H-RNTI in UMI message in CELL_DCH state	8.13.0	8.14.0	R2	TEI7
25.331	4464	-	Rel-9	A	RP-110264	R2-110786	Use of New H-RNTI in UMI message in CELL_DCH state	9.5.0	9.6.0	R2	TEI7
25.331	4465	-	Rel-10	A	RP-110264	R2-110787	Use of New H-RNTI in UMI message in CELL_DCH state	10.2.0	10.3.0	R2	TEI7
25.331	4467	-	Rel-8	F	RP-110268	R2-111428	Handling of variables PPAC_PARAM" and "DSAC_PARAM"	8.13.0	8.14.0	R2	PPACR
25.331	4468	-	Rel-9	A	RP-110268	R2-111429	Handling of variables PPAC_PARAM" and "DSAC_PARAM"	9.5.0	9.6.0	R2	PPACR
25.331	4469	-	Rel-10	A	RP-110268	R2-111430	Handling of variables PPAC_PARAM" and "DSAC_PARAM"	10.2.0	10.3.0	R2	PPACR
25.331	4473	1	Rel-7	F	RP-110264	R2-111657	Reconfiguration messages and HS-SSCH orders interaction for DTX/DRX	7.18.0	7.19.0	R2	RANimp-CPC
25.331	4474	1	Rel-8	A	RP-110264	R2-111658	Reconfiguration messages and HS-SSCH orders interaction for DTX/DRX	8.13.0	8.14.0	R2	RANimp-CPC
25.331	4475	-	Rel-9	F	RP-110264	R2-111406	Reconfiguration messages and HS-SSCH orders interaction for DTX/DRX	9.5.0	9.6.0	R2	RANimp-CPC
25.331	4476	-	Rel-10	A	RP-110264	R2-111654	Reconfiguration messages and HS-SSCH orders interaction for DTX/DRX	10.2.0	10.3.0	R2	RANimp-CPC
25.331	4482	-	Rel-10	F	RP-110277	R2-111656	Introduction of a capability indication for the Inter-frequency Detected Set feature	10.2.0	10.3.0	R2	Interf_dset_meas_UMTS
25.331	4492	-	Rel-9	F	RP-110274	R2-111504	Rel-8 FGI handling in Rel-9	9.5.0	9.6.0	R2	TEI9
25.331	4493	-	Rel-8	F	RP-110266	R2-111425	Clarification of invalid configuration for enhanced serving HS-DSCH cell change	8.13.0	8.14.0	R2	RANimp-HSDSCH
25.331	4494	-	Rel-9	A	RP-110266	R2-111426	Clarification of invalid configuration for enhanced serving HS-DSCH cell change	9.5.0	9.6.0	R2	RANimp-HSDSCH
25.331	4495	-	Rel-10	A	RP-110266	R2-111427	Clarification of invalid configuration for enhanced serving HS-DSCH cell change	10.2.0	10.3.0	R2	RANimp-HSDSCH
25.331	4496	-	Rel-10	F	RP-110279	R2-111460	Addition of MAC-e-hs in total RLC AM buffer size in RLC capability	10.2.0	10.3.0	R2	TEI10
25.331	4510	-	Rel-9	F	RP-110271	R2-111481	Correction to CSG Intra-frequency cell info	9.5.0	9.6.0	R2	EHNB-RAN2
25.331	4511	-	Rel-10	A	RP-110271	R2-111482	Correction to CSG Intra-frequency cell info	10.2.0	10.3.0	R2	EHNB-RAN2
25.331	4512	-	Rel-10	B	RP-110286	R2-111630	25331_CRxxx Support of Delay Tolerant access requests	10.2.0	10.3.0	R2	NIMTC-RAN_overload
25.331	4515	1	Rel-10	F	RP-110281	R2-111665	Corrections for the configuration of frequencies to measure without CM	10.2.0	10.3.0	R2	4C_HSDPA-Core
25.331	4518	2	Rel-9	F	RP-110274	R2-111494	Correction of conditionally included content in SI container	9.5.0	9.6.0	R2	TEI9
25.331	4519	3	Rel-10	A	RP-110274	R2-111762	Correction of conditionally included content in SI container	10.2.0	10.3.0	R2	TEI9
25.331	4520	-	Rel-10	F	RP-110279	R2-111461	Extend the carrier capability for Multi-Carrier HSDPA for 1.28Mcps TDD	10.2.0	10.3.0	R2	TEI10
25.331	4522	-	Rel-9	F	RP-110274	R2-111446	Clarification to the measurement occasion of E-FACH for 1.28Mcps TDD	9.5.0	9.6.0	R2	TEI9
25.331	4523	-	Rel-10	A	RP-110274	R2-111447	Clarification to the measurement occasion of E-FACH for	10.2.0	10.3.0	R2	TEI9

							1.28Mcps TDD				
25.331	4524	-	Rel-8	F	RP-110268	R2-111438	Clarification to the intra and inter frequency measurement in E-FACH for 1.28Mcps	8.13.0	8.14.0	R2	RANimp-EnhState1.28TDD
25.331	4525	-	Rel-9	A	RP-110268	R2-111439	Clarification to the intra and inter frequency measurement in E-FACH for 1.28Mcps	9.5.0	9.6.0	R2	RANimp-EnhState1.28TDD
25.331	4526	-	Rel-10	A	RP-110268	R2-111440	Clarification to the intra and inter frequency measurement in E-FACH for 1.28Mcps	10.2.0	10.3.0	R2	RANimp-EnhState1.28TDD
25.331	4533	2	Rel-10	B	RP-110282	R2-111480	Introduction of Minimization of Drive Tests	10.2.0	10.3.0	R2	MDT_UMTSLTE-Core
25.331	4540	-	Rel-8	F	RP-110266	R2-111650	Correction of target cell preconfiguration info handling upon reconfiguration	8.13.0	8.14.0	R2	RANimp-HSDSCH
25.331	4541	-	Rel-9	A	RP-110266	R2-111651	Correction of target cell preconfiguration info handling upon reconfiguration	9.5.0	9.6.0	R2	RANimp-HSDSCH
25.331	4542	-	Rel-10	A	RP-110266	R2-111652	Correction of target cell preconfiguration info handling upon reconfiguration	10.2.0	10.3.0	R2	RANimp-HSDSCH
25.331	4556	-	Rel-8	F	RP-110268	R2-111422	Negative values in a 'mod' function	8.13.0	8.14.0	R2	RANimp-DRX
25.331	4557	-	Rel-9	A	RP-110268	R2-111423	Negative values in a 'mod' function	9.5.0	9.6.0	R2	RANimp-DRX
25.331	4558	-	Rel-10	A	RP-110268	R2-111424	Negative values in a 'mod' function	10.2.0	10.3.0	R2	RANimp-DRX
25.331	4561	2	Rel-9	F	RP-110274	R2-111496	Clarification of RRC CONNECTION REJECT with redirection	9.5.0	9.6.0	R2	TEI9
25.331	4562	1	Rel-10	A	RP-110274	R2-111497	Clarification of RRC CONNECTION REJECT with redirection	10.2.0	10.3.0	R2	TEI9
25.331	4565	1	Rel-10	B	RP-110422	-	Dual Band Dual Cell MIMO only Release 10 UE not 3C or 4C capable	10.2.0	10.3.0	R2	TEI10
25.331	4566	-	Rel-10	B	RP-110279	R2-111463	Adding the default Configuration for 12.2/7.4/5.9/4.75 kbps speech + 3.4 kbps (without SRB#5)	10.2.0	10.3.0	R2	TEI10
25.331	4568	-	Rel-10	A	RP-110274	R2-111505	Rel-8 FGI handling in Rel-9	10.2.0	10.3.0	R2	TEI9
25.331	4569	1	Rel-8	F	RP-110266	R2-111485	Correction related to handling of DTX, DRX HS-SCCH orders upon enhanced serving cell change	8.13.0	8.14.0	R2	RANimp-HSDSCH
25.331	4570	1	Rel-9	A	RP-110266	R2-111486	Correction related to handling of DTX, DRX HS-SCCH orders upon enhanced serving cell change	9.5.0	9.6.0	R2	RANimp-HSDSCH
25.331	4571	1	Rel-10	A	RP-110266	R2-111487	Correction related to handling of DTX, DRX HS-SCCH orders upon enhanced serving cell change	10.2.0	10.3.0	R2	RANimp-HSDSCH
25.331	4576	-	Rel-10	B	RP-110189	-	Signalling for new band indicator 3	10.2.0	10.3.0	R2	TEI10
34.109	0045	-	Rel-8	B	RP-110263	R2-111402	Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	8.0.0	8.1.0	R2	TEI8
34.109	0046	-	Rel-7	B	RP-110263	R2-111401	Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	7.3.0	7.4.0	R2	TEI7
34.109	0048	-	Rel-9	B	RP-110263	R2-111407	Introduction of UE test loop mode 4 for testing of network initiated secondary PDP context	9.1.0	9.2.0	R2	TEI8
36.300	0309	-	Rel-10	F	RP-110280	R2-110788	Enforcing uplink MBR in the eNodeB	10.2.0	10.3.0	R2	TEI10, LTE-L23
36.300	0310	-	Rel-10	F	RP-110291	R2-110789	Implementation Updates on Non-UE associated S1X2 message Handling	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0311	-	Rel-10	B	RP-110292	R2-110790	Introduction of 2 subsets for pattern 3	10.2.0	10.3.0	R2	eCIC_LTE-Core
36.300	0312	-	Rel-10	C	RP-110280	R2-110791	MBR management for uplink grant	10.2.0	10.3.0	R2	TEI10, LTE-L23
36.300	0313	-	Rel-10	F	RP-110289	R2-111540	Measurements in CA	10.2.0	10.3.0	R2	LTE_CA-Core
36.300	0314	1	Rel-10	F	RP-110289	R2-111541	Annex J Clean Up	10.2.0	10.3.0	R2	LTE_CA-Core
36.300	0317	-	Rel-10	F	RP-110291	R2-111554	Stage-2 relay updates	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0320	2	Rel-10	B	RP-110291	R2-111635	stage-2 clarification on relay security	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0321	-	Rel-10	F	RP-110280	R2-111575	stage-2 Clarification on handover and system information description	10.2.0	10.3.0	R2	TEI10, LTE-L23

36.300	0324	-	Rel-10	B	RP-110280	R2-111584	CR to 36.300 adding UE capability indicator for dual Rx/Tx e1xCSFB	10.2.0	10.3.0	R2	TEI10, LTE-L23
36.300	0328	1	Rel-10	F	RP-110292	R2-111639	Update of Inter-cell Interference Coordination Feature Description	10.2.0	10.3.0	R2	eICIC_LTE-Core
36.300	0330	1	Rel-10	F	RP-110292	R2-111701	CR on ABS definition	10.2.0	10.3.0	R2	eICIC_LTE-Core
36.300	0331	-	Rel-10	F	RP-110280	R2-111728	Fix incorrect name for CT4 GTP message in HO Procedure	10.2.0	10.3.0	R2	TEI10
36.300	0332	-	Rel-10	F	RP-110280	R2-111729	CR for MBMS User Data flow synchronisation	10.2.0	10.3.0	R2	TEI10
36.300	0333	-	Rel-10	F	RP-110294	R2-111730	Remove Procedure Lists for MBMS	10.2.0	10.3.0	R2	MBMS_LTE_enh-Core
36.300	0334	-	Rel-10	B	RP-110283	R2-111731	Routing functionality for X2 handover between HeNB	10.2.0	10.3.0	R2	HNB_HENB_mob_enh-Core
36.300	0335	-	Rel-10	F	RP-110291	R2-111732	Update to OAM Traffic QoS requirements	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0336	-	Rel-10	F	RP-110278	R2-111733	Completion of LIPA feature	10.2.0	10.3.0	R2	LIPA_SIPTO
36.300	0337	-	Rel-10	D	RP-110293	R2-111734	Editorial update for inter-RAT load reporting	10.2.0	10.3.0	R2	SONenh_LTE-Core
36.300	0338	-	Rel-10	F	RP-110280	R2-111735	Correction of MBMS Deployment consideration	10.2.0	10.3.0	R2	TEI10
36.300	0339	-	Rel-10	B	RP-110292	R2-111736	OAM requirement for time domain eICIC for macro-pico scenario	10.2.0	10.3.0	R2	eICIC_LTE-Core
36.300	0340	-	Rel-10	F	RP-110293	R2-111737	Cleanup of MRO	10.2.0	10.3.0	R2	SONenh_LTE-Core
36.300	0341	-	Rel-10	B	RP-110291	R2-111738	Stage-2 Updates of Relaying	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0342	-	Rel-10	F	RP-110278	R2-111739	Clean up of LIPA	10.2.0	10.3.0	R2	LIPA_SIPTO
36.300	0343	-	Rel-9	F	RP-110272	R2-111740	Correction to usage of Handover Report for MRO	9.6.0	9.7.0	R2	TEI9, LTE-L23
36.300	0344	-	Rel-10	A	RP-110272	R2-111741	Correction to usage of Handover Report for MRO	10.2.0	10.3.0	R2	TEI9, LTE-L23
36.300	0345	-	Rel-10	F	RP-110291	R2-111742	Clarification of the RN authorisation	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0346	-	Rel-10	B	RP-110293	R2-111743	Requirements for OAM control of MRO	10.2.0	10.3.0	R2	SONenh_LTE-Core
36.300	0347	-	Rel-10	F	RP-110278	R2-111744	LIPA packets reordering in downlink	10.2.0	10.3.0	R2	LIPA_SIPTO
36.300	0348	-	Rel-10	F	RP-110282	R2-111745	Support for MDT	10.2.0	10.3.0	R2	MDT_UMTSLTE-Core
36.300	0349	-	Rel-10	F	RP-110280	R2-111746	Introduction of a Stepwise Load Reduction Indication for the Overload procedure in Stage 2	10.2.0	10.3.0	R2	TEI10
36.300	0350	-	Rel-10	F	RP-110294	R2-111747	Remove FFS on Differentiating the Receiving or Interested UEs	10.2.0	10.3.0	R2	MBMS_LTE_enh-Core
36.300	0351	-	Rel-9	F	RP-110223	R2-111748	Correction on MBMS Reset procedure	9.6.0	9.7.0	R2	MBMS_LTE
36.300	0352	-	Rel-10	A	RP-110223	R2-111749	Correction on MBMS Reset procedure	10.2.0	10.3.0	R2	MBMS_LTE
36.300	0353	-	Rel-10	F	RP-110291	R2-111750	Clarification of RN Architecture and Startup	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0354	-	Rel-10	D	RP-110291	R2-111751	Miscellaneous small corrections to TS 36.300 on Relay	10.2.0	10.3.0	R2	LTE_Relay-Core
36.300	0355	-	Rel-10	B	RP-110294	R2-111752	Suspension and Resume function	10.2.0	10.3.0	R2	MBMS_LTE_enh-Core
36.300	0356	-	Rel-10	F	RP-110280	R2-111755	Correction on physical layer part on TS36.300	10.2.0	10.3.0	R2	LTE-Phys, TEI10
36.300	0357	3	Rel-9	F	RP-110404	-	Options for CSFB to GSM	9.6.0	9.7.0	R2	TEI9, LTE-L23
36.300	0358	3	Rel-10	A	RP-110405	-	Options for CSFB to GSM	10.2.0	10.3.0	R2	TEI9, LTE-L23
36.302	0022	1	Rel-10	F	RP-110289	R2-111687	Correction to parallel reception and transmission for CA	10.0.0	10.1.0	R2	LTE_CA-Core
36.302	0024	-	Rel-9	F	RP-110270	R2-111528	Corrections to TS36.302 on MBMS	9.2.0	9.3.0	R2	MBMS_LTE
36.302	0025	-	Rel-10	A	RP-110270	R2-111529	Corrections to TS36.302 on MBMS	10.0.0	10.1.0	R2	MBMS_LTE
36.302	0026	-	Rel-10	F	RP-110289	R2-111539	Update and correction to TS36.302 for CA	10.0.0	10.1.0	R2	LTE_CA-Core
36.304	0150	-	Rel-9	F	RP-110271	R2-111501	36.304 correction on manual CSG selection	9.5.0	9.6.0	R2	EHNb-RAN2
36.304	0151	-	Rel-10	A	RP-110271	R2-111502	36.304 correction on manual CSG selection	10.0.0	10.1.0	R2	EHNb-RAN2
36.305	0023	-	Rel-9	F	RP-110269	R2-111753	Alignment of LPPa descriptions to Stage 3^^	9.5.0	9.6.0	R2	LCS_LTE
36.305	0024	-	Rel-10	A	RP-110269	R2-111754	Alignment of LPPa descriptions to Stage 3	10.0.0	10.1.0	R2	LCS_LTE
36.306	0038	-	Rel-10	B	RP-110290	R2-110793	Description of carrier aggregation and MIMO capabilities	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO-Core, LTE_eDL_MIMO-Core
36.306	0039	-	Rel-10	F	RP-110290	R2-110794	L2 buffer sizes for Rel-10 categories	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO-Core, LTE_eDL_MIMO-Core
36.306	0041	-	Rel-10	B	RP-110280	R2-111586	CR to 36.306 adding UE capability indicator for dual Rx/Tx e1xCSFB	10.0.0	10.1.0	R2	TEI10, LTE-L23

36.306	0042	1	Rel-10	F	RP-110288	R2-111685	UE UL&DL MIMO Capabilities	10.0.0	10.1.0	R2	LTE_UL_MIMO-Core, LTE_eDL_MIMO-Core
36.306	0043	-	Rel-10	B	RP-110282	R2-111507	Counter proposal to R2-110795 on UE capabilities for MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.321	0449	-	Rel-10	F	RP-110280	R2-110797	PHR Trigger for Power Reduction Due to Power Management	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.321	0450	1	Rel-10	F	RP-110289	R2-111561	Power Headroom Reporting	10.0.0	10.1.0	R2	LTE_CA-Core
36.321	0451	-	Rel-10	F	RP-110289	R2-111564	Cancellation of BSR	10.0.0	10.1.0	R2	LTE_CA-Core
36.321	0453	1	Rel-10	F	RP-110289	R2-111629	Counterproposal to Corrections to the Carrier Aggregation functionality in MAC	10.0.0	10.1.0	R2	LTE_CA-Core
36.321	0454	-	Rel-10	F	RP-110280	R2-111601	Adding a Power Management indication in PHR	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.321	0457	2	Rel-10	F	RP-110289	R2-111636	CR on SCell Activation	10.0.0	10.1.0	R2	LTE_CA-Core
36.321	0461	2	Rel-10	D	RP-110289	R2-111723	Unification of Extended PHR MAC CE formats	10.0.0	10.1.0	R2	LTE_CA-Core
36.321	0465	1	Rel-10	F	RP-110289	R2-111724	Clarification for CA and TTI bundling in MAC	10.0.0	10.1.0	R2	LTE_CA-Core
36.323	0086	-	Rel-10	F	RP-110280	R2-111599	Clarification on the number of ROHC instances in a PDCP entity	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.323	0087	-	Rel-10	B	RP-110291	R2-111597	Addition of integrity protection of DRBs in PDCP for RNs	10.0.0	10.1.0	R2	LTE_Relay-Core
36.331	0533	-	Rel-10	F	RP-110282	R2-110799	36331_CRxxx_Protection of Logged Measurements Configuration	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0534	1	Rel-10	B	RP-110294	R2-110800	Stage-3 CR for MBMS enhancement	10.0.0	10.1.0	R2	MBMS_LTE_enh-Core
36.331	0535	-	Rel-10	D	RP-110282	R2-110801	Clean up MDT-related text	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0536	-	Rel-10	F	RP-110282	R2-110802	Clear MDT configuration and logs when the UE is not registered	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0537	-	Rel-10	F	RP-110280	R2-110803	Correction to the field description of nB	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0538	-	Rel-10	F	RP-110289	R2-110804	CR on impact on UP with remove&add approach_2	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0539	-	Rel-10	F	RP-110282	R2-110805	CR to 36.331 on corrections for MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0543	-	Rel-10	B	RP-110290	R2-110809	Introduction of CA/MIMO capability signalling and measurement capability signalling in CA	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO- Core, LTE_eDL_MIMO-Core
36.331	0544	-	Rel-10	F	RP-110282	R2-110810	MDT PDU related clarifications	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0545	-	Rel-10	F	RP-110282	R2-110811	Correction on release of logged measurement configuration while in another RAT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0546	-	Rel-10	F	RP-110289	R2-110812	Miscellaneous Corrections for CA Running RRC CR	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0547	1	Rel-10	F	RP-110280	R2-111595	Miscellaneous small clarifications and corrections	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0548	4	Rel-10	B	RP-110293	R2-111764	Necessary changes for RLF reporting enhancements	10.0.0	10.1.0	R2	SONenh_LTE-Core
36.331	0549	1	Rel-10	F	RP-110282	R2-111510	Memory size for logged measurements capable UE	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0550	-	Rel-10	F	RP-110289	R2-110816	Parameters confusion of non-CA and CA configurations	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0552	-	Rel-9	F	RP-110272	R2-110818	Presence condition for cellSelectionInfo-v920 in SIB1	9.5.0	9.6.0	R2	TEI9, LTE-L23
36.331	0553	-	Rel-10	A	RP-110272	R2-110819	Presence condition for cellSelectionInfo-v920 in SIB1	10.0.0	10.1.0	R2	TEI9, LTE-L23
36.331	0554	1	Rel-10	F	RP-110282	R2-111381	Removal of MDT configuration at T330 expiry	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0556	1	Rel-10	F	RP-110289	R2-111552	Signalling aspects of existing LTE-A parameters	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0557	1	Rel-10	F	RP-110280	R2-111391	Some Corrections on measurement	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0558	-	Rel-10	F	RP-110291	R2-110824	Stored system information for RNs	10.0.0	10.1.0	R2	LTE_Relay-Core
36.331	0559	-	Rel-10	B	RP-110291	R2-110825	Support of Integrity Protection for Relay	10.0.0	10.1.0	R2	LTE_Relay-Core
36.331	0561	2	Rel-10	B	RP-110290	R2-111688	Updates of L1 parameters for CA and UL/DL MIMO	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO- Core, LTE_eDL_MIMO-Core
36.331	0571	1	Rel-10	F	RP-110291	R2-111605	Note for Dedicated SIB for RNs	10.0.0	10.1.0	R2	LTE_Relay-Core
36.331	0578	-	Rel-9	F	RP-110272	R2-111530	Correction to cs-fallbackIndicator field description	9.5.0	9.6.0	R2	TEI9, LTE-L23
36.331	0579	-	Rel-10	A	RP-110272	R2-111531	Correction to cs-fallbackIndicator field description	10.0.0	10.1.0	R2	TEI9, LTE-L23
36.331	0580	-	Rel-10	F	RP-110289	R2-111550	Clarification to the default configuration of sCellDeactivationTimer	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0581	-	Rel-10	F	RP-110289	R2-111570	Miscellaneous corrections to TS 36.331 on Carrier	10.0.0	10.1.0	R2	LTE_CA-Core

							Aggregation				
36.331	0584	-	Rel-10	F	RP-110280	R2-111519	Correction of configuration description in SIB2	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0585	-	Rel-8	F	RP-110265	R2-111710	Clarification of band indicator in handover from E-UTRAN to GERAN	8.12.0	8.13.0	R2	LTE-L23
36.331	0586	-	Rel-9	F	RP-110265	R2-111711	Clarification of band indicator in handover from E-UTRAN to GERAN	9.5.0	9.6.0	R2	LTE-L23
36.331	0587	-	Rel-10	A	RP-110265	R2-111712	Clarification of band indicator in handover from E-UTRAN to GERAN	10.0.0	10.1.0	R2	LTE-L23
36.331	0588	1	Rel-10	B	RP-110285	R2-111703	36331_CRxxxx Support of Delay Tolerant access requests	10.0.0	10.1.0	R2	NIMTC-RAN_overload
36.331	0590	-	Rel-10	B	RP-110292	R2-111618	Update of R2-110807 on CSI measurement resource restriction for time domain ICIC	10.0.0	10.1.0	R2	eICIC_LTE-Core
36.331	0591	-	Rel-10	B	RP-110292	R2-111617	Update of R2-110821 on RRM/RLM resource restriction for time domain ICIC	10.0.0	10.1.0	R2	eICIC_LTE-Core
36.331	0592	-	Rel-10	F	RP-110290	R2-111551	Corrections on UE capability related parameters	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO-Core, LTE_eDL_MIMO-Core
36.331	0596	-	Rel-10	B	RP-110282	R2-111574	Validity time for location information in Immediate MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0597	-	Rel-10	B	RP-110280	R2-111585	CR to 36.331 adding UE capability indicator for dual Rx/Tx e1xCsFB	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0598	-	Rel-10	F	RP-110289	R2-111549	Miscellaneous corrections to CA	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0599	-	Rel-10	F	RP-110280	R2-111576	Further correction to combined measurement report of UTRAN	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0600	-	Rel-10	F	RP-110280	R2-111577	Correction to the reference of ETWS	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0602	1	Rel-10	C	RP-110269	R2-111692	Introduction of OTDOA inter-freq RSTD measurement indication procedure	10.0.0	10.1.0	R2	TEI10, LCS_LTE
36.331	0603	-	Rel-10	F	RP-110280	R2-111578	Correction of use of RRCConnectionReestablishment message for contention resolution	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0604	-	Rel-10	F	RP-110282	R2-111571	CR to 36.331 on MDT neighbour cell measurements logging	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0608	-	Rel-9	F	RP-110272	R2-111534	Minor ASN.1 corrections for the UEInformationResponse message	9.5.0	9.6.0	R2	TEI9, LTE-L23
36.331	0609	-	Rel-10	A	RP-110272	R2-111535	Minor ASN.1 corrections for the UEInformationResponse message	10.0.0	10.1.0	R2	TEI9, LTE-L23
36.331	0613	-	Rel-10	F	RP-110280	R2-111579	Clarification regarding dedicated RLF timers and constants	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0615	-	Rel-10	F	RP-110282	R2-111572	Release of Logged Measurement Configuration	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0616	-	Rel-10	F	RP-110280	R2-111580	Some corrections on TS 36.331	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0623	-	Rel-10	F	RP-110280	R2-111587	AC barring procedure clean up	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0624	-	Rel-10	B	RP-110282	R2-111509	Counter proposal to R2-110826 on UE capabilities for MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0628	1	Rel-10	F	RP-110280	R2-111623	UE information report for RACH	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0629	2	Rel-10	B	RP-110289	R2-111721	Measurement on the deactivated SCells	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0632	1	Rel-10	F	RP-110282	R2-111718	Trace configuration parameters for Logged MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0635	-	Rel-10	F	RP-110282	R2-111573	Clarification on stop condition for timer T3330	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0637	-	Rel-10	F	RP-110282	R2-111513	User consent for MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
36.331	0638	-	Rel-10	F	RP-110280	R2-111520	Correction on the range of CQI resource index	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0639	-	Rel-9	F	RP-110272	R2-111532	Small corrections to ETWS & CMAS system information	9.5.0	9.6.0	R2	TEI9, LTE-L23
36.331	0640	1	Rel-10	A	RP-110272	R2-111606	Small corrections to ETWS & CMAS system information	10.0.0	10.1.0	R2	TEI9, LTE-L23
36.331	0641	1	Rel-10	F	RP-110290	R2-111625	UE capability signaling structure w.r.t carrier aggregation, MIMO and measurement gap	10.0.0	10.1.0	R2	LTE_CA-Core, LTE_UL_MIMO-Core, LTE_eDL_MIMO-Core
36.331	0642	1	Rel-10	F	RP-110289	R2-111622	Normal PHR and the multiple uplink carriers	10.0.0	10.1.0	R2	LTE_CA-Core
36.331	0643	1	Rel-10	C	RP-110280	R2-111581	Corrections to TS36.331 on SIB2 handling	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0644	1	Rel-10	C	RP-110280	R2-111680	Adding a Power Management indication in PHR	10.0.0	10.1.0	R2	TEI10, LTE-L23
36.331	0646	1	Rel-10	F	RP-110289	R2-111725	Clarification for CA and TTI bundling in RRC	10.0.0	10.1.0	R2	LTE_CA-Core

36.331	0647	2	Rel-9	F	RP-110455	-	Updates to FGI settings	9.5.0	9.6.0	R2	LTE-L23, TEI9
36.331	0648	1	Rel-10	A	RP-110443	-	Updates to FGI settings	10.0.0	10.1.0	R2	TEI9, LTE-L23
36.355	0045	-	Rel-9	D	RP-110269	R2-110828	Editorial corrections to 36.355	9.4.0	9.5.0	R2	LCS_LTE
36.355	0046	-	Rel-10	A	RP-110269	R2-110829	Editorial corrections to 36.355	10.0.0	10.1.0	R2	LCS_LTE
36.355	0047	-	Rel-9	F	RP-110269	R2-110830	Removal of FFS for retransmission timer in LPP	9.4.0	9.5.0	R2	LCS_LTE
36.355	0048	-	Rel-10	A	RP-110269	R2-110831	Removal of FFS for retransmission timer in LPP	10.0.0	10.1.0	R2	LCS_LTE
36.355	0049	-	Rel-9	F	RP-110269	R2-111522	Correction to code phase encoding in GNSS acquisition assistance	9.4.0	9.5.0	R2	LCS_LTE
36.355	0050	-	Rel-10	A	RP-110269	R2-111523	Correction to code phase encoding in GNSS acquisition assistance	10.0.0	10.1.0	R2	LCS_LTE
36.355	0051	1	Rel-9	F	RP-110269	R2-111627	Clarification on SFN provided with OTDOA measurement	9.4.0	9.5.0	R2	LCS_LTE
36.355	0052	1	Rel-10	A	RP-110269	R2-111628	Clarification on SFN provided with OTDOA measurement	10.0.0	10.1.0	R2	LCS_LTE
36.355	0053	1	Rel-10	C	RP-110269	R2-111691	Introduction of OTDOA inter-freq RSTD measurement indication procedure	10.0.0	10.1.0	R2	TEI10, LCS_LTE
36.355	0055	1	Rel-9	F	RP-110269	R2-111524	Small corrections in 36.355	9.4.0	9.5.0	R2	LCS_LTE
36.355	0056	2	Rel-9	F	RP-110269	R2-111619	Further corrections to the OTDOA assistance data	9.4.0	9.5.0	R2	LCS_LTE
36.355	0057	-	Rel-10	A	RP-110269	R2-111525	Small corrections in 36.355	10.0.0	10.1.0	R2	LCS_LTE
36.355	0058	3	Rel-10	A	RP-110269	R2-111689	Further corrections to the OTDOA assistance data	10.0.0	10.1.0	R2	LCS_LTE
37.320	0001	-	Rel-10	F	RP-110282	R2-110832	Clarifications on MDT initiation	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0002	-	Rel-10	F	RP-110282	R2-110833	Clear MDT configuration and logs when the UE is not registered	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0003	1	Rel-10	F	RP-110282	R2-111512	MDT stage 2 clarifications	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0004	-	Rel-10	F	RP-110282	R2-110835	On memory size limitation for Logged MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0005	-	Rel-10	B	RP-110282	R2-110836	UE Capabilities for MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0006	-	Rel-10	F	RP-110282	R2-111700	Validity time for location information in Immediate MDT	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0008	-	Rel-10	F	RP-110282	R2-111515	Correction to include CDMA2000 reporting for neighbouring cells	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0012	-	Rel-10	F	RP-110282	R2-111511	Small Clarifications and Corrections to 37.320	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
37.320	0013	-	Rel-10	F	RP-110282	R2-111614	Trace parameters for MDT configuration	10.0.0	10.1.0	R2	MDT_UMTSLTE-Core
25.401	0136	1	Rel-10	B	RP-110230	R3-110913	Support for MDT	10.0.0	10.1.0	R3	MDT_UMTSLTE-Core
25.410	0074	1	Rel-10	B	RP-110230	R3-110912	Support for MDT	10.0.0	10.1.0	R3	MDT_UMTSLTE-Core
25.413	1090	-	Rel-10	F	RP-110226	R3-110468	Correction to Integrity Protection Information and Encryption Information	10.0.1	10.1.0	R3	TEI10
25.413	1091	1	Rel-10	F	RP-110239	R3-110872	Addition of MeasurementBandwidth and ASN.1 clean-up for IRAT measurement configuration	10.0.1	10.1.0	R3	SONenh_LTE-Core
25.413	1094	1	Rel-10	B	RP-110230	R3-110916	Introduction of MDT	10.0.1	10.1.0	R3	MDT_UMTSLTE-Core
25.413	1095	1	Rel-10	B	RP-110231	R3-111053	Additional IEs needed to support optimized HNB-HNB mobility	10.0.1	10.1.0	R3	HNB_HENB_mob_enh-Core
25.413	1096	3	Rel-10	B	RP-110233	R3-111043	Introduction of Low Priority Traffic Overload support	10.0.1	10.1.0	R3	NIMTC-RAN_overload
25.413	1099	2	Rel-10	F	RP-110226	R3-111006	Clarification on TEID value range for RANAP	10.0.1	10.1.0	R3	TEI10
25.413	1100	1	Rel-10	F	RP-110225	R3-110903	the description usage of NONCE in RNC	10.0.1	10.1.0	R3	RANimp-HSPAVoIP
25.423	1659	1	Rel-9	F	RP-110222	R3-110862	Addition of Measurement Power Offset in ESCC procedure over lur	9.5.0	9.6.0	R3	RANimp-HSDSCH
25.423	1660	1	Rel-10	A	RP-110222	R3-110863	Addition of Measurement Power Offset in ESCC procedure over lur	10.1.0	10.2.0	R3	RANimp-HSDSCH
25.423	1661	-	Rel-10	F	RP-110224	R3-110483	Addition of Multi-Carrier E-DCH capability IEs for MC-HSUPA to RNSAP	10.1.0	10.2.0	R3	TDD_MC_HSUPA
25.423	1662	1	Rel-10	F	RP-110225	R3-110864	Correction related to "Power Offset For S-CPICH for MIMO"	10.1.0	10.2.0	R3	RANimp-DC_MIMO
25.423	1663	-	Rel-10	F	RP-110224	R3-110487	Correction of SNPL carrier group indicator for 1.28 Mcps TDD Multi-Carrier E-DCH	10.1.0	10.2.0	R3	TDD_MC_HSUPA

25.423	1664	1	Rel-10	F	RP-110228	R3-110866	Battery optimization - tabular/ASN.1 mismatch cleanup	10.1.0	10.2.0	R3	4C_HSDPA-Core
25.423	1667	1	Rel-10	B	RP-110230	R3-110917	Introduction of MDT	10.1.0	10.2.0	R3	MDT_UMTSLTE-Core
25.423	1669	5	Rel-10	F	RP-110226	R3-111085	Extension of maximum number neighbouring RNCs	10.1.0	10.2.0	R3	TEI10
25.433	1860	-	Rel-10	F	RP-110224	R3-110470	Correction of Extended E-HICH ID TDD for 1.28 Mcps TDD Multi-Carrier E-DCH	10.1.0	10.2.0	R3	TDD_MC_HSUPA
25.433	1861	-	Rel-9	F	RP-110222	R3-110473	Changed values for a sub-IE in "Common E-DCH Information for E-DCH" IE	9.5.0	9.6.0	R3	RANimp-UplinkEnhState
25.433	1862	-	Rel-10	A	RP-110222	R3-110474	Changed values for a sub-IE in "Common E-DCH Information for E-DCH" IE	10.1.0	10.2.0	R3	RANimp-UplinkEnhState
25.433	1863	-	Rel-10	F	RP-110224	R3-110484	Addition of Multi-Carrier E-DCH capability IEs for MC-HSUPA to NBAP	10.1.0	10.2.0	R3	TDD_MC_HSUPA
25.433	1864	-	Rel-10	F	RP-110224	R3-110486	Correction of SNPL carrier group indicator for 1.28 Mcps TDD Multi-Carrier E-DCH	10.1.0	10.2.0	R3	TDD_MC_HSUPA
25.433	1865	1	Rel-10	F	RP-110228	R3-110865	Battery optimization - tabular/ASN.1 mismatch cleanup	10.1.0	10.2.0	R3	4C_HSDPA-Core
25.433	1866	-	Rel-10	F	RP-110226	R3-110508	Introduction of Common H- RNTI List for Common HS-DSCH SRB1 Transmission	10.1.0	10.2.0	R3	TEI10
25.433	1867	-	Rel-9	F	RP-110222	R3-110514	Inclusion of "Additional E-DCH Transmission Back Off" in "Common E-DCH Information"	9.5.0	9.6.0	R3	RANimp-UplinkEnhState
25.433	1868	-	Rel-10	A	RP-110222	R3-110515	Inclusion of "Additional E-DCH Transmission Back Off" in "Common E-DCH Information"	10.1.0	10.2.0	R3	RANimp-UplinkEnhState
25.433	1874	1	Rel-10	F	RP-110226	R3-110894	Add T312 and N312 for 1.28Mcps TDD	10.1.0	10.2.0	R3	TEI10
25.433	1876	1	Rel-10	F	RP-110225	R3-110889	Introduction of independent HSUPA schedule based on cell portion	10.1.0	10.2.0	R3	RANimp-BFE
25.433	1877	2	Rel-10	B	RP-110226	R3-111020	Addition of CLASS 1 Procedure for Common E-DCH resource release	10.1.0	10.2.0	R3	TEI10
25.433	1878	2	Rel-10	F	RP-110226	R3-111062	Corrections on HS-DSCH Transmission without UE category	10.1.0	10.2.0	R3	TEI10
25.435	0251	-	Rel-10	F	RP-110225	R3-110475	Correction of propagation delay handling for E-DCH Data Frame	10.0.0	10.1.0	R3	RANimp-UplinkEnhState
25.453	0129	2	Rel-10	F	RP-110229	R3-110887	PCAP ASN.1 Cleanup	10.1.0	10.2.0	R3	LCS_UMTS_RFPMT-Core
25.453	0134	5	Rel-10	C	RP-110226	R3-111092	Adding of IMSI and IMEI to PERFORM LOCATION REQUEST message	10.1.0	10.2.0	R3	TEI10
25.467	0125	-	Rel-10	F	RP-110231	R3-110492	Correction on UE De-Registration for Enhanced H2H Mobility	10.0.0	10.1.0	R3	HNB_HENB_mob_enh-Core
25.467	0126	-	Rel-10	F	RP-110227	R3-110512	Completion of LIPA feature	10.0.0	10.1.0	R3	LIPA_SIPTO
25.467	0131	2	Rel-10	B	RP-110231	R3-111050	Correction to definition of HNB enhanced mobility.	10.0.0	10.1.0	R3	HNB_HENB_mob_enh-Core
25.468	0033	1	Rel-10	B	RP-110231	R3-111054	RUA Connect Message for Enhanced H2H Mobility	9.3.0	10.0.0	R3	HNB_HENB_mob_enh-Core
25.469	0059	-	Rel-10	F	RP-110226	R3-110465	Correct definition of Cell-ID	9.3.0	10.0.0	R3	TEI10
25.469	0062	2	Rel-10	B	RP-110231	R3-111052	Additional messages to support direct HNB-HNB HO in HNBAP	9.3.0	10.0.0	R3	HNB_HENB_mob_enh-Core
25.469	0063	2	Rel-10	F	RP-110226	R3-111019	Identifying the Cell Identity	9.3.0	10.0.0	R3	TEI10
36.401	0047	3	Rel-10	B	RP-110237	R3-111046	Introduction of new synchronisation use case for TD ICIC	10.0.0	10.1.0	R3	eICIC_LTE-Core
36.401	0048	1	Rel-10	F	RP-110226	R3-110985	Support of PWS in RAN Sharing	10.0.0	10.1.0	R3	TEI10
36.413	0801	-	Rel-10	F	RP-110231	R3-110466	Correct the criticality for two new IEs to support X2 HO for HeNB	10.0.1	10.1.0	R3	HNB_HENB_mob_enh-Core
36.413	0802	-	Rel-10	F	RP-110239	R3-110471	Clean-up for Rel-10 enhancements of SON Transfer application	10.0.1	10.1.0	R3	SONenh_LTE-Core
36.413	0803	-	Rel-10	F	RP-110226	R3-110476	Clarification containers for CS only SRVCC towards UTRAN without PS HO support	10.0.1	10.1.0	R3	TEI10
36.413	0804	-	Rel-10	F	RP-110225	R3-110479	Correction to the editor notes	10.0.1	10.1.0	R3	LTE-interfaces

36.413	0805	-	Rel-10	F	RP-110225	R3-110480	Correction on CSG Subscription List	10.0.1	10.1.0	R3	EHNb-RAN3
36.413	0807	-	Rel-9	F	RP-110222	R3-110496	Correction of CSFB related Cause Values	9.5.1	9.6.0	R3	TEI9
36.413	0808	-	Rel-10	A	RP-110222	R3-110497	Correction of CSFB related Cause Values	10.0.1	10.1.0	R3	TEI9
36.413	0809	2	Rel-10	B	RP-110236	R3-111091	Relay Node indication to MME	10.0.1	10.1.0	R3	LTE_Relay-Core
36.413	0810	-	Rel-10	B	RP-110236	R3-110500	GUMMEI List in Overload Start and Overload Stop message	10.0.1	10.1.0	R3	LTE_Relay-Core
36.413	0811	-	Rel-9	F	RP-110222	R3-110501	ASN.1 Correction for the Broadcast Cancelled Area List IE	9.5.1	9.6.0	R3	LTE-interfaces, TEI9
36.413	0812	-	Rel-10	A	RP-110222	R3-110502	ASN.1 Correction for the Broadcast Cancelled Area List IE	10.0.1	10.1.0	R3	LTE-interfaces, TEI9
36.413	0813	2	Rel-10	B	RP-110227	R3-110963	LIPA Impact In RAN3	10.0.1	10.1.0	R3	LIPA_SIPTO
36.413	0814	-	Rel-10	F	RP-110227	R3-110513	S1 Release for LIPA Bearer	10.0.1	10.1.0	R3	LIPA_SIPTO
36.413	0815	2	Rel-10	B	RP-110230	R3-111055	Support for MDT	10.0.1	10.1.0	R3	MDT_UMTSLTE-Core
36.413	0820	1	Rel-10	B	RP-110236	R3-110879	Advertising support to RNs at the MME	10.0.1	10.1.0	R3	LTE_Relay-Core
36.413	0823	1	Rel-10	F	RP-110225	R3-111000	Introduction of SPID into DOWNLINK NAS TRANSPORT message	10.0.1	10.1.0	R3	LTE-interfaces, TEI10
36.413	0824	2	Rel-10	D	RP-110226	R3-111017	NNSF Abbreviation and other Editorials	10.0.1	10.1.0	R3	TEI10
36.413	0827	2	Rel-10	F	RP-110226	R3-111004	Clarification on TEID value range for S1AP	10.0.1	10.1.0	R3	TEI10
36.413	0832	2	Rel-9	F	RP-110222	R3-110995	Correction of Write Replace Warning abnormal condition	9.5.1	9.6.0	R3	LTE-interfaces, TEI9
36.413	0833	2	Rel-10	A	RP-110222	R3-110996	Correction of Write Replace Warning abnormal condition	10.0.1	10.1.0	R3	LTE-interfaces
36.413	0839	-	Rel-10	F	RP-110226	R3-110732	Correction of the name for Time Synchronization Info IE	10.0.1	10.1.0	R3	TEI10
36.413	0840	1	Rel-10	F	RP-110226	R3-111088	Typo correction in Message Type IE table	10.0.1	10.1.0	R3	TEI10
36.413	0848	1	Rel-10	F	RP-110231	R3-110911	Correction of Source MME GUMMEI IE criticality in PATH SWITCH REQUEST message	10.0.1	10.1.0	R3	HNB_HENB_mob_enh-Core
36.413	0852	1	Rel-10	F	RP-110226	R3-110926	Correction of Duplicated Warning messages	10.0.1	10.1.0	R3	TEI10
36.413	0854	1	Rel-10	B	RP-110234	R3-110938	Introduction of MTC overload Support	10.0.1	10.1.0	R3	NIMTC-RAN_overload
36.413	0857	3	Rel-10	F	RP-110231	R3-111028	Correction of mobility to open HeNBs	10.0.1	10.1.0	R3	HNB_HENB_mob_enh-Core
36.413	0860	-	Rel-10	F	RP-110226	R3-110824	S1AP Procedure Text General Clean-up	10.0.1	10.1.0	R3	TEI10
36.413	0863	-	Rel-10	F	RP-110225	R3-110905	Correction to the Semantics Description of TAC	10.0.1	10.1.0	R3	LTE-interfaces
36.413	0864	-	Rel-10	F	RP-110226	R3-111087	Introduction of a Stepwise Load Reduction Indication for the Overload procedure in Stage-3	10.0.1	10.1.0	R3	TEI10
36.423	0408	-	Rel-10	F	RP-110231	R3-110494	Conditions for Enhanced X2 Mobility	10.0.0	10.1.0	R3	HNB_HENB_mob_enh-Core
36.423	0409	-	Rel-10	B	RP-110237	R3-110498	Introduction of X2 signalling support for eICIC	10.0.0	10.1.0	R3	eICIC_LTE-Core
36.423	0410	1	Rel-9	F	RP-110222	R3-110561	Correction of the usage of optional ShortMAC-I IE in RLF INDICATION message	9.5.0	9.6.0	R3	TEI9
36.423	0411	1	Rel-10	A	RP-110222	R3-110608	Correction of the usage of optional ShortMAC-I IE in RLF INDICATION message	10.0.0	10.1.0	R3	TEI9
36.423	0413	2	Rel-10	B	RP-110230	R3-111056	Support for MDT	10.0.0	10.1.0	R3	MDT_UMTSLTE-Core
36.423	0419	2	Rel-10	F	RP-110226	R3-111005	Clarification on TEID value range for X2AP	10.0.0	10.1.0	R3	TEI10
36.423	0420	-	Rel-10	F	RP-110231	R3-110682	Clarify X2 Handover Scenarios	10.0.0	10.1.0	R3	HNB_HENB_mob_enh-Core
36.423	0427	1	Rel-10	B	RP-110237	R3-110953	Enabling reporting of ABS resource status for eICIC purposes	10.0.0	10.1.0	R3	eICIC_LTE-Core
36.443	0033	2	Rel-10	B	RP-110240	R3-111042	Introduction of MBMS counting procedure	10.0.0	10.1.0	R3	MBMS_LTE_enh-Core
36.443	0036	-	Rel-9	F	RP-110221	R3-110686	Addition of Criticality Diagnostics IE in the M2 Setup Response message	9.2.0	9.3.0	R3	MBMS_LTE
36.443	0037	-	Rel-10	A	RP-110221	R3-110687	Addition of Criticality Diagnostics IE in the M2 Setup Response message	10.0.0	10.1.0	R3	MBMS_LTE
36.443	0039	2	Rel-9	F	RP-110223	R3-111093	Correction on MBMS Reset procedure	9.2.0	9.3.0	R3	TEI9
36.443	0040	1	Rel-10	A	RP-110223	R3-111090	Correction on MBMS Reset procedure	10.0.0	10.1.0	R3	TEI9
36.443	0041	1	Rel-9	F	RP-110222	R3-110897	Correction of M2 Setup	9.2.0	9.3.0	R3	TEI9
36.443	0042	1	Rel-10	A	RP-110222	R3-110898	Correction of M2 Setup	10.0.0	10.1.0	R3	TEI9
36.443	0043	1	Rel-10	F	RP-110226	R3-111007	Clarification on TEID value range	10.0.0	10.1.0	R3	TEI10
36.444	0017	-	Rel-9	F	RP-110223	R3-110743	Correction on MBMS Reset procedure	9.3.0	9.4.0	R3	TEI9

36.444	0018	1	Rel-10	A	RP-110223	R3-111089	Correction on MBMS Reset procedure	10.0.0	10.1.0	R3	TEI9
36.444	0019	2	Rel-10	B	RP-110240	R3-111040	Introduction of ARP	10.0.0	10.1.0	R3	MBMS_LTE_enh-Core
36.444	0020	1	Rel-10	F	RP-110226	R3-111008	Clarification on TEID value range	10.0.0	10.1.0	R3	TEI10
25.101	0754	1	Rel-10	F	RP-110354	R4-110475	Introduction of Rx core requirements for DB-DC-HSDPA and dual band 4C-HSDPA	10.0.1	10.1.0	R4	4C_HSDPA-Core
25.101	0755	1	Rel-9	F	RP-110346	R4-110476	Specification of DC-HSUPA Rx core requirements for DB-DC-HSDPA capable UEs and some editorial corrections	9.6.0	9.7.0	R4	RANimp-MultiBand_DC_HSDPA
25.101	0763	1	Rel-8	F	RP-110345	R4-111498	Correction to Downlink Physical Channels in DC-HSDPA receiver sensitivity	8.13.0	8.14.0	R4	RANimp-DCHSDPA
25.101	0764	1	Rel-9	A	RP-110345	R4-111499	Correction to Downlink Physical Channels in DC-HSDPA receiver sensitivity	9.6.0	9.7.0	R4	RANimp-DCHSDPA
25.101	0765	1	Rel-10	A	RP-110345	R4-111500	Correction to Downlink Physical Channels in DC-HSDPA receiver sensitivity	10.0.1	10.1.0	R4	RANimp-DCHSDPA
25.101	0766	1	Rel-10	F	RP-110354	R4-111402	Introduction of Tx core requirements for DB-DC-HSDPA and dual band 4C-HSDPA for I/VIII and I/V band combinations	10.0.1	10.1.0	R4	4C_HSDPA-Core
25.101	0767	1	Rel-9	F	RP-110346	R4-111403	Correction to Tx core requirements for DB-DC-HSDPA for I/VIII and I/V band combinations	9.6.0	9.7.0	R4	RANimp-MultiBand_DC_HSDPA
25.101	0768	1	Rel-10	B	RP-110407	R4-111687	HSDPA MIMO demodulation performance requirements due to asymmetric P-CPICH/S-CPICH power settings	10.0.1	10.1.0	R4	MIMO_HSDPA-Perf
25.101	0770	-	Rel-9	F	RP-110345	R4-110730	DC-HSUPA Rx core requirements for band XI and band XXI	9.6.0	9.7.0	R4	RANimp-DC_HSUPA
25.101	0771	-	Rel-10	A	RP-110345	R4-110731	DC-HSUPA Rx core requirements for band XI and band XXI	10.0.1	10.1.0	R4	RANimp-DC_HSUPA
25.101	0774	-	Rel-8	F	RP-110341	R4-110910	Correction of UARFCN range for Band XII	8.13.0	8.14.0	R4	TEI8
25.101	0775	-	Rel-9	A	RP-110341	R4-110911	Correction of UARFCN range for Band XII	9.6.0	9.7.0	R4	TEI8
25.101	0776	-	Rel-10	A	RP-110341	R4-110912	Correction of UARFCN range for Band XII	10.0.1	10.1.0	R4	TEI8
25.101	0777	1	Rel-8	F	RP-110336	R4-111368	Correction of OOB interferer frequency ranges for Band XII	8.13.0	8.14.0	R4	LTE-RF
25.101	0778	1	Rel-9	A	RP-110336	R4-111369	Correction of OOB interferer frequency ranges for Band XII	9.6.0	9.7.0	R4	LTE-RF
25.101	0779	-	Rel-10	A	RP-110336	R4-111195	Correction of OOB interferer frequency ranges for Band XII	10.0.1	10.1.0	R4	LTE-RF
25.101	0782	-	Rel-9	F	RP-110355	R4-111218	25.101 CR: Correction of out of band blocking for DB-DC-HSDPA configuration 3 (Rel-9)	9.6.0	9.7.0	R4	DB_DC_HSDPA-Core
25.101	0783	-	Rel-10	A	RP-110355	R4-111219	25.101 CR: Correction of out of band blocking for DB-DC-HSDPA configuration 3 (Rel-10)	10.0.1	10.1.0	R4	DB_DC_HSDPA-Core
25.101	0784	2	Rel-9	F	RP-110346	R4-111509	25.101 CR Introduction of demodulation performance for DB-DC-HSDPA (rel-9)	9.6.0	9.7.0	R4	TEI9, RANimp-MultiBand_DC_HSDPA
25.101	0785	2	Rel-10	F	RP-110346	R4-111671	25.101 CR Introduction of demodulation performance for DB-DC-HSDPA (rel-10)	10.0.1	10.1.0	R4	TEI9, RANimp-MultiBand_DC_HSDPA
25.101	0788	3	Rel-10	B	RP-110355	R4-111550	CR for the addition of the new band combinations and the TX core requirements for band I-XI and II-V	10.0.1	10.1.0	R4	DB_DC_HSDPA-Core
25.101	0789	3	Rel-10	B	RP-110355	R4-111564	CR for RX core requirements for band I-XI and II-V	10.0.1	10.1.0	R4	DB_DC_HSDPA-Core
25.101	0791	1	Rel-8	F	RP-110341	R4-111344	CR for the modification of the UE relative code domain power accuracy	8.13.0	8.14.0	R4	TEI8
25.101	0792	1	Rel-9	A	RP-110341	R4-111345	CR for the modification of the UE relative code domain power accuracy	9.6.0	9.7.0	R4	TEI8
25.101	0793	1	Rel-10	A	RP-110341	R4-111346	CR for the modification of the UE relative code domain power accuracy	10.0.1	10.1.0	R4	TEI8
25.101	0794	-	Rel-9	F	RP-110344	R4-111322	Spurious Emission requirement extension due to EN spec change	9.6.0	9.7.0	R4	TEI9
25.102	0345	-	Rel-5	F	RP-110335	R4-110769	Correction of Maximum Input Level Test for HS-PDSCH	5.14.0	5.15.0	R4	TEI

							Transmission for 1.28Mcps TDD				
25.102	0346	-	Rel-6	A	RP-110335	R4-110770	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	6.12.0	6.13.0	R4	TEI
25.102	0347	-	Rel-7	F	RP-110335	R4-110771	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	7.19.0	7.20.0	R4	TEI7
25.102	0348	-	Rel-8	F	RP-110341	R4-110772	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	8.9.0	8.10.0	R4	TEI8
25.102	0349	-	Rel-9	A	RP-110341	R4-110773	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	9.3.0	9.4.0	R4	TEI8
25.102	0350	-	Rel-10	A	RP-110341	R4-110774	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	10.0.0	10.1.0	R4	TEI8
25.102	0351	-	Rel-7	F	RP-110335	R4-111263	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	7.19.0	7.20.0	R4	TEI7
25.102	0352	-	Rel-8	A	RP-110335	R4-111264	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	8.9.0	8.10.0	R4	TEI7
25.102	0353	-	Rel-9	A	RP-110335	R4-111265	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	9.3.0	9.4.0	R4	TEI7
25.102	0354	-	Rel-10	A	RP-110335	R4-111266	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	10.0.0	10.1.0	R4	TEI7
25.104	0383	1	Rel-10	B	RP-110355	R4-111359	DB-DC-HSDPA: New band combinations	10.0.0	10.1.0	R4	DB_DC_HSDPA-Core
25.104	0395	1	Rel-10	F	RP-110352	R4-111416	Correction of the test port description for TS 25.104 Rel-10	10.0.0	10.1.0	R4	TEI10
25.104	0396	1	Rel-10	F	RP-110352	R4-111639	UTRA BS Receiver spurious requirements for protection of other bands	10.0.0	10.1.0	R4	TEI10
25.104	0397	1	Rel-10	F	RP-110352	R4-111599	Harmonization of co-existence/co-location requirements between 25.104 and 36.104	10.0.0	10.1.0	R4	TEI10
25.105	0279	1	Rel-10	F	RP-110352	R4-111601	Harmonization of co-existence/co-location requirements between 25.105 and 36.104	10.1.0	10.2.0	R4	TEI10
25.106	0075	-	Rel-10	F	RP-110352	R4-111146	Inclusion of E-UTRA TDD text to co-location on 25.106	9.2.0	10.0.0	R4	TEI10
25.113	0055	-	Rel-9	F	RP-110344	R4-111108	Applicability of EMC requirements	9.4.0	9.5.0	R4	TEI9
25.123	0486	-	Rel-9	F	RP-110342	R4-111245	Correction of inter-frequency measurement accuracy test cases	9.3.0	9.4.0	R4	TEI9
25.123	0487	-	Rel-10	A	RP-110342	R4-111246	Correction of inter-frequency measurement accuracy test cases	10.0.0	10.1.0	R4	TEI9
25.123	0488	-	Rel-7	F	RP-110334	R4-111267	Modification of inter-band handover for 1.28 Mcps TDD (Scenario 2)	7.12.0	7.13.0	R4	TEI7
25.123	0489	-	Rel-8	A	RP-110334	R4-111268	Modification of inter-band handover for 1.28 Mcps TDD (Scenario 2)	8.8.0	8.9.0	R4	TEI7
25.123	0490	-	Rel-9	A	RP-110334	R4-111269	Modification of inter-band handover for 1.28 Mcps TDD (Scenario 2)	9.3.0	9.4.0	R4	TEI7
25.123	0491	-	Rel-10	A	RP-110334	R4-111270	Modification of inter-band handover for 1.28 Mcps TDD (Scenario 2)	10.0.0	10.1.0	R4	TEI7
25.123	0492	-	Rel-7	F	RP-110334	R4-111271	Addition of new inter-band handover for 1.28 Mcps TDD (Scenario 3)	7.12.0	7.13.0	R4	TEI7
25.123	0493	-	Rel-8	A	RP-110334	R4-111272	Addition of new inter-band handover for 1.28 Mcps TDD (Scenario 3)	8.8.0	8.9.0	R4	TEI7
25.123	0494	-	Rel-9	A	RP-110334	R4-111273	Addition of new inter-band handover for 1.28 Mcps TDD (Scenario 3)	9.3.0	9.4.0	R4	TEI7
25.123	0495	-	Rel-10	A	RP-110334	R4-111274	Addition of new inter-band handover for 1.28 Mcps TDD (Scenario 3)	10.0.0	10.1.0	R4	TEI7
25.133	1080	-	Rel-8	F	RP-110342	R4-110735	Editorial changes to Rel-8 UE RRM requirements to align	8.12.0	8.13.0	R4	TEI8

							with Rel-10 specification				
25.133	1081	-	Rel-9	F	RP-110342	R4-110736	Editorial changes to Rel-9 UE RRM requirements for align with Rel-10 specification	9.6.0	9.7.0	R4	TEI9
25.133	1082	1	Rel-8	F	RP-110339	R4-111466	Cell identity change time and rearrangement of Time periods for UTRA-EUTRA reselection Test case A.4.5.1	8.12.0	8.13.0	R4	LTE-RF
25.133	1083	1	Rel-9	A	RP-110339	R4-111467	Cell identity change time and rearrangement of Time periods for UTRA-EUTRA reselection Test case A.4.5.1	9.6.0	9.7.0	R4	LTE-RF
25.133	1084	1	Rel-10	A	RP-110339	R4-111468	Cell identity change time and rearrangement of Time periods for UTRA-EUTRA reselection Test case A.4.5.1	10.0.0	10.1.0	R4	LTE-RF
25.133	1085	1	Rel-10	B	RP-110408	R4-111563	Requirements for Minimization of Drive Tests (MDT) in UMTS	10.0.0		R4	MDT_UMTSLTE-Core
25.133	1087	-	Rel-9	F	RP-110342	R4-111243	Correction of inter-frequency measurement accuracy test cases	9.6.0	9.7.0	R4	TEI9
25.133	1088	-	Rel-10	A	RP-110342	R4-111244	Correction of inter-frequency measurement accuracy test cases	10.0.0	10.1.0	R4	TEI9
25.141	0564	2	Rel-10	B	RP-110355	R4-111360	DB-DC-HSDPA: New band combinations	10.0.0	10.1.0	R4	DB_DC_HSDPA-Core
25.141	0571	-	Rel-8	F	RP-110341	R4-110732	Clarification of ambiguity in Test Model 5	8.12.0	8.13.0	R4	TEI8
25.141	0572	-	Rel-9	A	RP-110341	R4-110733	Clarification of ambiguity in Test Model 5	9.6.0	9.7.0	R4	TEI8
25.141	0573	-	Rel-10	A	RP-110341	R4-110734	Clarification of ambiguity in Test Model 5	10.0.0	10.1.0	R4	TEI8
25.141	0576	1	Rel-10	F	RP-110352	R4-111417	Correction of the test port description for TS 25.141 Rel-10	10.0.0	10.1.0	R4	TEI10
25.141	0577	1	Rel-10	F	RP-110352	R4-111640	UTRA BS Receiver spurious requirements for protection of other bands	10.0.0	10.1.0	R4	TEI10
25.141	0578	1	Rel-10	F	RP-110352	R4-111600	Harmonization of co-existence/co-location requirements between 25.141 and 36.141	10.0.0	10.1.0	R4	TEI10
25.142	0278	-	Rel-10	F	RP-110352	R4-110794	Adding missing demodulaiton requirements for LCR TDD Home BS	10.0.0	10.1.0	R4	TEI10
25.142	0279	1	Rel-10	F	RP-110352	R4-111602	Harmonization of co-existence/co-location requirements between 25.142 and 36.141	10.0.0	10.1.0	R4	TEI10
25.143	0092	-	Rel-10	F	RP-110352	R4-111147	Inclusion of E-UTRA TDD text to co-location on 25.143	9.2.0	10.0.0	R4	TEI10
25.172	0002	-	Rel-10	F	RP-110351	R4-110601	Addition of missing values and references	10.1.0	10.2.0	R4	AGNSSPerf_UTRAN
25.914	0002	1	Rel-10	B	RP-110353	R4-111656	CR for TR 25.914: Add LME OTA Testing Scenario	9.0.0	10.0.0	R4	UEAnt_FSTest
25.914	0003	-	Rel-10	B	RP-110353	R4-111156	Adding a new section for embedded devices	9.0.0	10.0.0	R4	UEAnt_FSTest
36.101	0695	-	Rel-10	F	RP-110359	R4-110513	Removal of E-UTRA ACLR for CA	10.1.1	10.2.0	R4	LTE_CA-Core
36.101	0697	-	Rel-8	F	RP-110338	R4-110621	PDCCH and PHICH performance: OCNG and power settings	8.12.0	8.13.0	R4	LTE-RF
36.101	0698	1	Rel-9	A	RP-110338	R4-111696	PDCCH and PHICH performance: OCNG and power settings	9.6.0	9.7.0	R4	LTE-RF
36.101	0699	-	Rel-10	A	RP-110338	R4-110623	PDCCH and PHICH performance: OCNG and power settings	10.1.1	10.2.0	R4	LTE-RF
36.101	0700	2	Rel-9	B	RP-110343	R4-111620	Introducing UE-selected subband CQI tests	9.6.0	9.7.0	R4	LTE-RF
36.101	0704	1	Rel-8	F	RP-110336	R4-111383	Spurious emissions measurement uncertainty	8.12.0	8.13.0	R4	LTE-RF
36.101	0705	1	Rel-9	A	RP-110336	R4-111384	Spurious emissions measurement uncertainty	9.6.0	9.7.0	R4	LTE-RF
36.101	0706	1	Rel-10	A	RP-110336	R4-111385	Spurious emissions measurement uncertainty	10.1.1	10.2.0	R4	LTE-RF
36.101	0707	1	Rel-10	B	RP-110352	R4-111585	REFSENSE in lower SNR	10.1.1	10.2.0	R4	TEI10
36.101	0708	-	Rel-8	F	RP-110338	R4-110857	PMI performance: Power settings and precoding granularity	8.12.0	8.13.0	R4	LTE-RF
36.101	0709	-	Rel-9	A	RP-110338	R4-110858	PMI performance: Power settings and precoding granularity	9.6.0	9.7.0	R4	LTE-RF
36.101	0710	-	Rel-10	A	RP-110338	R4-110859	PMI performance: Power settings and precoding granularity	10.1.1	10.2.0	R4	LTE-RF
36.101	0715	2	Rel-10	C	RP-110359	R4-111608	Pcmx for Rel-10	10.1.1	10.2.0	R4	LTE_CA-Core
36.101	0717	-	Rel-10	F	RP-110359	R4-110940	Introduction of requirement for adjacent intraband CA image rejection	10.1.1	10.2.0	R4	LTE_CA-Core

36.101	0718	-	Rel-9	F	RP-110343	R4-110949	Minimum requirements for the additional Rel-9 scenarios	9.6.0	9.7.0	R4	LTE-RF
36.101	0719	-	Rel-10	A	RP-110343	R4-110950	Minimum requirements for the additional Rel-9 scenarios	10.1.1	10.2.0	R4	LTE-RF
36.101	0722	-	Rel-9	F	RP-110343	R4-110978	Corrections to power settings for Single layer beamforming with interfering simultaneous transmission	9.6.0	9.7.0	R4	LTE-RF
36.101	0723	-	Rel-10	A	RP-110343	R4-110979	Corrections to power settings for Single layer beamforming with interfering simultaneous transmission	10.1.1	10.2.0	R4	LTE-RF
36.101	0726	1	Rel-10	F	RP-110343	R4-111533	Correction to the PUSCH3-0 subband tests for Rel-10	10.1.1	10.2.0	R4	LTE-RF
36.101	0727	3	Rel-9	B	RP-110343	R4-111621	Verification framework for PUSCH 2-2 and PUCCH 2-1 reporting	9.6.0	9.7.0	R4	LTE-RF
36.101	0728	-	Rel-8	F	RP-110338	R4-111006	Removing the square bracket for TS36.101	8.12.0	8.13.0	R4	LTE-RF
36.101	0729	-	Rel-9	A	RP-110338	R4-111007	Removing the square bracket for TS36.101	9.6.0	9.7.0	R4	LTE-RF
36.101	0730	-	Rel-10	A	RP-110338	R4-111008	Removing the square bracket for TS36.101	10.1.1	10.2.0	R4	LTE-RF
36.101	0738	-	Rel-9	F	RP-110349	R4-111276	Removal of square brackets for dual-layer beamforming demodulation performance requirements	9.6.0	9.7.0	R4	LTEImp-eDL
36.101	0739	-	Rel-10	A	RP-110349	R4-111277	Removal of square brackets for dual-layer beamforming demodulation performance requirements	10.1.1	10.2.0	R4	LTEImp-eDL
36.101	0751	-	Rel-10	F	RP-110359	R4-111296	CR: Maximum input level for intra band CA	10.1.1	10.2.0	R4	LTE_CA-Core
36.101	0753	2	Rel-9	F	RP-110349	R4-111651	UE category coverage for dual-layer beamforming	9.6.0	9.7.0	R4	LTEImp-eDL
36.101	0754	2	Rel-10	A	RP-110349	R4-111652	UE category coverage for dual-layer beamforming	10.1.1	10.2.0	R4	LTEImp-eDL
36.101	0755	1	Rel-9	F	RP-110343	R4-111399	CR Sustained Data Rate Test	9.6.0	9.7.0	R4	LTE-RF
36.101	0756	1	Rel-10	A	RP-110343	R4-111400	CR Sustained Data Rate Test	10.1.1	10.2.0	R4	LTE-RF
36.101	0758	-	Rel-9	F	RP-110343	R4-111540	Removal of square brackets in sustained data rate tests	9.6.0	9.7.0	R4	LTE-RF
36.101	0759	-	Rel-10	A	RP-110343	R4-111541	Removal of square brackets in sustained data rate tests	10.1.1	10.2.0	R4	LTE-RF
36.101	0760	1	Rel-8	F	RP-110337	R4-111659	Clarification to LTE relative power tolerance table	8.12.0	8.13.0	R4	LTE-RF
36.101	0761	1	Rel-9	A	RP-110337	R4-111660	Clarification to LTE relative power tolerance table	9.6.0	9.7.0	R4	LTE-RF
36.101	0762	1	Rel-10	A	RP-110337	R4-111661	Clarification to LTE relative power tolerance table	10.1.1	10.2.0	R4	LTE-RF
36.101	0764	-	Rel-10	A	RP-110343	R4-111677	Introducing UE-selected subband CQI tests	10.1.1	10.2.0	R4	LTE-RF
36.101	0765	-	Rel-10	A	RP-110343	R4-111678	Verification framework for PUSCH 2-2 and PUCCH 2-1 reporting	10.1.1	10.2.0	R4	LTE-RF
36.104	0179	4	Rel-10	B	RP-110360	R4-110355	Introduction of L-Band in TS 36.104	10.1.0	10.2.0	R4	L_Band_LTE_ATC_MSS-Core
36.104	0210	2	Rel-10	F	RP-110357	R4-111672	Band 42 and 43 co-existence for UMTS/LTE 3500 (TDD) for TS 36.104	10.1.0	10.2.0	R4	RInImp8-UMTSLTE3500
36.104	0211	-	Rel-9	F	RP-110344	R4-111138	Operating band unwanted emissions for Band 1, 33 and 34 (TS 36.104)	9.6.0	9.7.0	R4	TEI9
36.104	0212	-	Rel-10	A	RP-110344	R4-111139	Operating band unwanted emissions for Band 1, 33 and 34 (TS 36.104)	10.1.0	10.2.0	R4	TEI9
36.106	0024	2	Rel-10	B	RP-110360	R4-111591	Adding Band 24 specification to TS36.106	10.0.0	10.1.0	R4	L_Band_LTE_ATC_MSS-Core
36.113	0025	-	Rel-9	F	RP-110344	R4-111109	Applicability of EMC requirements	9.3.0	9.4.0	R4	TEI9
36.113	0026	-	Rel-10	A	RP-110344	R4-111110	Applicability of EMC requirements	10.1.0	10.2.0	R4	TEI9
36.133	0658	-	Rel-10	B	RP-110359	R4-110614	Addition of UE RRM capabilities for CA	10.1.0	10.2.0	R4	LTE_CA-Core
36.133	0661	-	Rel-8	F	RP-110340	R4-110624	Correction to E-UTRAN TDD in-sync test requirements	8.12.0	8.13.0	R4	LTE-RF
36.133	0662	-	Rel-9	A	RP-110340	R4-110625	Correction to E-UTRAN TDD in-sync test requirements	9.6.0	9.7.0	R4	LTE-RF
36.133	0663	-	Rel-10	A	RP-110340	R4-110626	Correction to E-UTRAN TDD in-sync test requirements	10.1.0	10.2.0	R4	LTE-RF
36.133	0664	1	Rel-9	F	RP-110348	R4-111496	RSTD requirements, RMC and OCNG patterns	9.6.0	9.7.0	R4	LTE-RF
36.133	0665	1	Rel-10	A	RP-110348	R4-111497	RSTD requirements, RMC and OCNG patterns	10.1.0	10.2.0	R4	LTE-RF
36.133	0669	-	Rel-10	F	RP-110350	R4-110647	CR to 36.133: Aligning relevant RRM requirements for Band 41 with the reference sensitivity values in 36.101	10.1.0	10.2.0	R4	LTE_TDD_2600_US-Core
36.133	0674	-	Rel-8	F	RP-110339	R4-110778	Modification on test case of E-UTRA TDD to UTRA TDD cell reselection(R8)	8.12.0	8.13.0	R4	LTE-RF
36.133	0675	-	Rel-9	A	RP-110339	R4-110779	Modification on test case of E-UTRA TDD to UTRA TDD cell	9.6.0	9.7.0	R4	LTE-RF

							reselection(R9)				
36.133	0676	-	Rel-10	A	RP-110339	R4-110780	Modification on test case of E-UTRA TDD to UTRA TDD cell reselection(R10)	10.1.0	10.2.0	R4	LTE-RF
36.133	0678	2	Rel-9	F	RP-110348	R4-111516	Corrections to RSTD measurement for Rel-9	9.6.0	9.7.0	R4	LCS_LTE
36.133	0679	1	Rel-8	F	RP-110339	R4-111457	Value of MS_TXPWR_MAX_CCH for EUTRA-GSM reselection test cases A.4.4.x	8.12.0	8.13.0	R4	LTE-RF
36.133	0680	1	Rel-9	A	RP-110339	R4-111458	Value of MS_TXPWR_MAX_CCH for EUTRA-GSM reselection test cases A.4.4.x	9.6.0	9.7.0	R4	LTE-RF
36.133	0681	1	Rel-10	A	RP-110339	R4-111459	Value of MS_TXPWR_MAX_CCH for EUTRA-GSM reselection test cases A.4.4.x	10.1.0	10.2.0	R4	LTE-RF
36.133	0685	1	Rel-8	F	RP-110339	R4-111460	Rearrangement of Time periods for EUTRA-UTRA reselection test case A.4.3.1.1	8.12.0	8.13.0	R4	LTE-RF
36.133	0686	1	Rel-9	A	RP-110339	R4-111461	Rearrangement of Time periods for EUTRA-UTRA reselection test case A.4.3.1.1	9.6.0	9.7.0	R4	LTE-RF
36.133	0687	1	Rel-10	A	RP-110339	R4-111462	Rearrangement of Time periods for EUTRA-UTRA reselection test case A.4.3.1.1	10.1.0	10.2.0	R4	LTE-RF
36.133	0688	1	Rel-8	F	RP-110339	R4-111463	Removal of "Force to Cell 2" during initialisation for EUTRA-UTRA reselection test case A.4.3.1.2	8.12.0	8.13.0	R4	LTE-RF
36.133	0689	1	Rel-9	A	RP-110339	R4-111464	Removal of "Force to Cell 2" during initialisation for EUTRA-UTRA reselection test case A.4.3.1.2	9.6.0	9.7.0	R4	LTE-RF
36.133	0690	1	Rel-10	A	RP-110339	R4-111465	Removal of "Force to Cell 2" during initialisation for EUTRA-UTRA reselection test case A.4.3.1.2	10.1.0	10.2.0	R4	LTE-RF
36.133	0691	1	Rel-8	F	RP-110340	R4-111469	SNR for RRM A.8.x test cases using ETU70	8.12.0	8.13.0	R4	LTE-RF
36.133	0692	1	Rel-9	A	RP-110340	R4-111470	SNR for RRM A.8.x test cases using ETU70	9.6.0	9.7.0	R4	LTE-RF
36.133	0693	1	Rel-10	A	RP-110340	R4-111471	SNR for RRM A.8.x test cases using ETU70	10.1.0	10.2.0	R4	LTE-RF
36.133	0697	1	Rel-10	B	RP-110408	R4-111562	Requirements for Minimaztion of Drive Tests (MDT) in LTE	10.1.0		R4	MDT_UMTSLTE-Core
36.133	0701	-	Rel-8	F	RP-110339	R4-110899	Correction to test cases of E-UTRA to UTRA cell reselection when UE is in idle state	8.12.0	8.13.0	R4	LTE-RF
36.133	0702	-	Rel-9	A	RP-110339	R4-110900	Correction to test cases of E-UTRA to UTRA cell reselection when UE is in idle state	9.6.0	9.7.0	R4	LTE-RF
36.133	0703	-	Rel-10	A	RP-110339	R4-110901	Correction to test cases of E-UTRA to UTRA cell reselection when UE is in idle state	10.1.0	10.2.0	R4	LTE-RF
36.133	0706	2	Rel-10	B	RP-110359	R4-111637	Introduction of measurement requirements for carrier aggregation	10.1.0	10.2.0	R4	LTE_CA-Core
36.133	0708	1	Rel-9	B	RP-110347	R4-111404	Addition of test cases for FDD intra-frequency SI reading using autonomous gaps with both non DRX and DRX for Rel-9	9.6.0	9.7.0	R4	EHNB
36.133	0709	1	Rel-10	A	RP-110347	R4-111405	Addition of test cases for FDD intra-frequency SI reading using autonomous gaps with both non DRX and DRX for Rel-10	10.1.0	10.2.0	R4	EHNB
36.133	0710	1	Rel-9	B	RP-110347	R4-111406	Addition of test cases for FDD inter-frequency SI reading using autonomous gaps with both non DRX and DRX for Rel-9	9.6.0	9.7.0	R4	EHNB
36.133	0711	1	Rel-10	A	RP-110347	R4-111407	Addition of test cases for FDD inter-frequency SI reading using autonomous gaps with both non DRX and DRX for Rel-10	10.1.0	10.2.0	R4	EHNB
36.133	0713	1	Rel-10	B	RP-110359	R4-111549	Introduction of core requirements of radio link monitoring in CA	10.1.0	10.2.0	R4	LTE_CA-Core
36.133	0717	1	Rel-8	F	RP-110339	R4-111410	Modification on Test Requirements in E-UTRA - UTRA TDD SON Test Case (A.8.7.3) (R8)	8.12.0	8.13.0	R4	LTE-RF

36.133	0718	1	Rel-9	A	RP-110339	R4-111411	Modification on Test Requirements in E-UTRA - UTRA TDD SON Test Case (A.8.7.3) (R9)	9.6.0	9.7.0	R4	LTE-RF
36.133	0719	1	Rel-10	A	RP-110339	R4-111412	Modification on Test Requirements in E-UTRA - UTRA TDD SON Test Case (A.8.7.3) (R10)	10.1.0	10.2.0	R4	LTE-RF
36.133	0726	2	Rel-9	F	RP-110348	R4-111691	Requirements for reporting criteria with positioning measurements	9.6.0	9.7.0	R4	LCS_LTE
36.133	0727	2	Rel-10	A	RP-110348	R4-111692	Requirements for reporting criteria with positioning measurements	10.1.0	10.2.0	R4	LCS_LTE
36.133	0734	-	Rel-8	F	RP-110340	R4-111237	Correction of RLM evaluation period in DRX	8.12.0	8.13.0	R4	TEI8
36.133	0735	-	Rel-9	A	RP-110340	R4-111238	Correction of RLM evaluation period in DRX	9.6.0	9.7.0	R4	TEI8
36.133	0736	-	Rel-10	A	RP-110340	R4-111239	Correction of RLM evaluation period in DRX	10.1.0	10.2.0	R4	TEI8
36.133	0737	-	Rel-8	F	RP-110340	R4-111240	Correction of inter-frequency measurement accuracy test cases	8.12.0	8.13.0	R4	TEI8
36.133	0738	-	Rel-9	A	RP-110340	R4-111241	Correction of inter-frequency measurement accuracy test cases	9.6.0	9.7.0	R4	TEI8
36.133	0739	-	Rel-10	A	RP-110340	R4-111242	Correction of inter-frequency measurement accuracy test cases	10.1.0	10.2.0	R4	TEI8
36.133	0742	-	Rel-8	F	RP-110339	R4-111304	Modification on Test Requirements in E-UTRA GSM cell reselection Test Case (A.4.4) (R8)	8.12.0	8.13.0	R4	LTE-RF
36.133	0743	-	Rel-9	A	RP-110339	R4-111305	Modification on Test Requirements in E-UTRA GSM cell reselection Test Case (A.4.4) (R9)	9.6.0	9.7.0	R4	LTE-RF
36.133	0744	-	Rel-10	A	RP-110339	R4-111306	Modification on Test Requirements in E-UTRA GSM cell reselection Test Case (A.4.4) (R10)	10.1.0	10.2.0	R4	LTE-RF
36.133	0746	-	Rel-9	F	RP-110348	R4-111415	Correction on FDD Intra Frequency RSTD Measurement Accuracy test case	9.6.0	9.7.0	R4	LCS_LTE
36.133	0747	1	Rel-10	A	RP-110348	R4-111517	Corrections to RSTD measurement for Rel-9	10.1.0	10.2.0	R4	LCS_LTE
36.133	0748	-	Rel-10	A	RP-110348	R4-111442	Correction on FDD Intra Frequency RSTD Measurement Accuracy test case	10.1.0	10.2.0	R4	LCS_LTE
36.133	0750	1	Rel-9	F	RP-110348	R4-111699	RSTD test case corrections	9.6.0	9.7.0	R4	LCS_LTE
36.133	0751	1	Rel-10	A	RP-110348	R4-111700	RSTD test case corrections	10.1.0	10.2.0	R4	LCS_LTE
36.133	0752	-	Rel-9	F	RP-110344	R4-111701	Correction of serving cell performance requirements for autonomous SI acquisition	9.6.0	9.7.0	R4	TEI9
36.133	0753	-	Rel-10	A	RP-110344	R4-111702	Correction of serving cell performance requirements for autonomous SI acquisition	10.1.0	10.2.0	R4	TEI9
36.141	0240	1	Rel-9	A	RP-110336	R4-111438	Receiver spurious emissions reference correction	9.6.0	9.7.0	R4	TEI8
36.141	0241	-	Rel-10	A	RP-110336	R4-110758	Receiver spurious emissions reference correction	10.1.0	10.2.0	R4	TEI8
36.141	0245	1	Rel-8	F	RP-110337	R4-111426	Power off test tolerance	8.9.0	8.10.0	R4	LTE-RF
36.141	0246	2	Rel-9	A	RP-110337	R4-111697	Power off test tolerance	9.6.0	9.7.0	R4	LTE-RF
36.141	0247	2	Rel-10	A	RP-110337	R4-111698	Power off test tolerance	10.1.0	10.2.0	R4	LTE-RF
36.141	0248	1	Rel-10	F	RP-110352	R4-111581	TS 36.141 subclause 6.5.4: DL RS Power	10.1.0	10.2.0	R4	TEI10
36.141	0251	1	Rel-10	F	RP-110352	R4-111418	Correction of the test port description for TS 36.141 Rel-10	10.1.0	10.2.0	R4	TEI10
36.141	0253	2	Rel-10	F	RP-110357	R4-111673	Band 42 and 43 co-existence for UMTS/LTE 3500 (TDD) for TS 36.141	10.1.0	10.2.0	R4	RInImp8-UMTSLTE3500
36.141	0254	-	Rel-9	F	RP-110344	R4-111140	Operating band unwanted emissions for Band 1, 33 and 34 (TS 36.141)	9.6.0	9.7.0	R4	TEI9
36.141	0255	-	Rel-10	A	RP-110344	R4-111141	Operating band unwanted emissions for Band 1, 33 and 34 (TS 36.141)	10.1.0	10.2.0	R4	TEI9
36.141	0257	-	Rel-8	F	RP-110336	R4-111437	Receiver spurious emissions reference correction	8.9.0	8.10.0	R4	TEI8
36.143	0025	2	Rel-10	B	RP-110360	R4-111590	Adding Band 24 specification to TS36.143	10.0.0	10.1.0	R4	L_Band_LTE_ATC_MSS-Core
36.171	0003	-	Rel-9	F	RP-110344	R4-110599	Addition of missing values and references	9.1.0	9.2.0	R4	TEI9

36.171	0004	-	Rel-10	A	RP-110344	R4-110600	Addition of missing values and references	10.0.0	10.1.0	R4	TEI9
36.813	0002	1	Rel-10	B	RP-110118	-	Overload Characteristics of GPS Receivers in Proximity to LTE L-band Terrestrial Base Stations (BTS)	10.0.0	10.1.0	R4	L_Band_LTE_ATC_MSS-Core
37.104	0029	-	Rel-10	F	RP-110357	R4-111131	Band 42 and 43 co-existence for UMTS/LTE 3500 (TDD) for TS 37.104	10.1.0	10.2.0	R4	RInImp8-UMTSLTE3500
37.141	0038	1	Rel-9	F	RP-110344	R4-111439	Receiver intermodulation reference correction	9.2.0	9.3.0	R4	TEI9
37.141	0039	1	Rel-10	A	RP-110344	R4-111440	Receiver intermodulation reference correction	10.1.0	10.2.0	R4	TEI9
37.141	0043	1	Rel-10	F	RP-110352	R4-111419	Correction of the test port description for TS 37.141 Rel-10	10.1.0	10.2.0	R4	TEI10
37.141	0044	-	Rel-10	F	RP-110357	R4-111132	Band 42 and 43 co-existence for UMTS/LTE 3500 (TDD) for TS 37.141	10.1.0	10.2.0	R4	RInImp8-UMTSLTE3500
34.108	0855	-	Rel-9	F	RP-110153	R5-110615	Correction Physical channel parameters of downlink 128kbps PS RAB for LCR TDD in 34.108	9.3.0	9.4.0	R5	TEI4_Test
34.108	0856	-	Rel-9	F	RP-110153	R5-110620	Correction UARFCN and Frequency of band e for LCR TDD in 34.108	9.3.0	9.4.0	R5	TEI4_Test
34.108	0857	-	Rel-9	F	RP-110165	R5-110621	Reduce the channel code for HS-SCCH and HS-SICH, and adjust channel code of E-AGCH and E-HICH for LCR TDD BADIO BEARER SETUP	9.3.0	9.4.0	R5	TEI8_Test
34.108	0858	-	Rel-9	F	RP-110154	R5-110622	Reduce the channel code for HS-SCCH and HS-SICH for LCRTDD SIB5	9.3.0	9.4.0	R5	TEI5_Test
34.108	0859	-	Rel-9	F	RP-110165	R5-110667	Addition of comments for Rel-8 UE behaviour in section 7.2.4 (session setup)	9.3.0	9.4.0	R5	TEI8_Test
34.108	0860	-	Rel-9	F	RP-110177	R5-110695	Update of the default RADIO BEARER SETUP message (FDD) for support of combination of DC-HSDPA with MIMO	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.114	0005	-	Rel-9	F	RP-110166	R5-110530	OTA FDD Band 4 and 5 Mid Test Channel Change	9.0.0	9.1.0	R5	TEI9_Test
34.114	0006	-	Rel-9	F	RP-110166	R5-110926	CR to 34.114 : Addition of the GSM OTA requirements and recommended values	9.0.0	9.1.0	R5	TEI9_Test
34.121-1	1292	-	Rel-9	F	RP-110373	R5-110242	Corrections to Annex F.6.3 and 9.2.4A...	9.3.0	9.4.0	R5	TEI6_Test
34.121-1	1293	-	Rel-9	F	RP-110373	R5-110301	Corrections to Annex C.11 for E-DCH test cases	9.3.0	9.4.0	R5	TEI6_Test
34.121-1	1294	-	Rel-9	F	RP-110156	R5-110326	Correction in Clause 5.2E.4.1 to co-relate as per Annex C.8.1.1, Table C.8.1.1	9.3.0	9.4.0	R5	TEI7_Test
34.121-1	1295	-	Rel-9	F	RP-110156	R5-110327	Correction in Clause 5.13.2C.4.1 to co-relate as per Annex C.8.1.1, Table C.8.1.1	9.3.0	9.4.0	R5	TEI7_Test
34.121-1	1296	-	Rel-9	F	RP-110152	R5-110425	Correction to Notes in Tx Spurious Emissions	9.3.0	9.4.0	R5	TEI_Test
34.121-1	1297	-	Rel-9	F	RP-110373	R5-110426	Correction to table references in minimum requirements	9.3.0	9.4.0	R5	TEI6_Test
34.121-1	1298	-	Rel-9	F	RP-110373	R5-110464	Clarification of CQI reporting requirement applicability	9.3.0	9.4.0	R5	TEI6_Test
34.121-1	1299	-	Rel-9	F	RP-110156	R5-110467	Addition of Level Set 7 into Table E.5.9	9.3.0	9.4.0	R5	TEI7_Test
34.121-1	1300	-	Rel-9	F	RP-110177	R5-110934	New TC 9.2.4 - MIMO Performance - Fixed Reference Channel (FRC) H-SET 9A and TC 9.2.4D - MIMO Performance - Fixed Reference Channel (FRC) H-SET 11A	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.121-1	1301	-	Rel-9	F	RP-110177	R5-110935	Update of Annexure A to Annexure F	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.121-1	1302	-	Rel-9	F	RP-110157	R5-110936	Update to test case 8.3.4d	9.3.0	9.4.0	R5	LTE-UEConTest_RF
34.121-	1303	-	Rel-9	F	RP-110166	R5-110976	Corrections to Band XII frequency range	9.3.0	9.4.0	R5	TEI9_Test

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34.121-2	0089	-	Rel-9	F	RP-110373	R5-110135	Correction to the conditions on C_RF28 and C_RF33 to include category 7 of HSUPA	9.3.0	9.4.0	R5	TEI6_Test
34.121-2	0090	-	Rel-9	F	RP-110373	R5-110465	Clarification of CQI reporting requirement applicability	9.3.0	9.4.0	R5	TEI6_Test
34.121-2	0091	-	Rel-9	F	RP-110177	R5-110659	Update to 34.121-2	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.121-2	0092	-	Rel-9	F	RP-110373	R5-110922	Applicability for features not supported in all supporter bands	9.3.0	9.4.0	R5	TEI6_Test
34.121-2	0093	-	Rel-9	F	RP-110373	R5-110857	Change the reference document of item A.7/18 for "Support of F-DPCH".	9.3.1	9.4.0	R5	TEI6_Test
34.122	0365	-	Rel-9	F	RP-110156	R5-110321	Correction in test requirement of 9.3.2A/B/C/D/E	9.3.0	9.4.0	R5	TEI7_Test
34.122	0366	-	Rel-9	F	RP-110156	R5-110322	Add Mid UARFCN channel testing in Clause 5.5.2.1, 5.5.2.1A & 5.5.2.1B Initial Conditions settings	9.3.0	9.4.0	R5	TEI7_Test
34.122	0367	-	Rel-9	F	RP-110165	R5-110323	Correction on Annex F.6.3.5, Table F.6.3.5.1 to correlate Clause 9.3.1A.5, Table 9.3.1A.3	9.3.0	9.4.0	R5	TEI8_Test
34.122	0368	-	Rel-9	F	RP-110156	R5-110324	Correction in Test Requirements Settings for test case 9.3.2E based on corresponding Annex F.2.5, Table F.2.5	9.3.0	9.4.0	R5	TEI7_Test
34.122	0369	-	Rel-9	F	RP-110157	R5-110614	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	9.3.0	9.4.0	R5	LTE-UEConTest_RF
34.122	0370	-	Rel-9	F	RP-110156	R5-110923	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	9.3.0	9.4.0	R5	TEI7_Test
34.122	0371	-	Rel-9	F	RP-110156	R5-110924	Modification of a test case for inter-band handover for 1.28 Mcps TDD Scenario 2	9.3.0	9.4.0	R5	TEI7_Test
34.122	0372	-	Rel-9	F	RP-110156	R5-110925	Addition of a new test case for inter-band handover for 1.28 Mcps TDD Scenario 3	9.3.0	9.4.0	R5	TEI7_Test
34.122	0373	-	Rel-9	F	RP-110156	R5-110977	Correction in test procedure of User Equipment maximum output power with HS-SICH and DPCH test cases	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2894	-	Rel-9	F	RP-110152	R5-110191	Corrections to GCF WI-010 GMM Test Cases 12.4.1.4a & 12.6.1.3.3 & 12.2.1.4.2	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2895	-	Rel-9	F	RP-110173	R5-110269	Various corrections to A-GNSS test cases	9.3.0	9.4.0	R5	AGNSSTest_UTRAN
34.123-1	2896	-	Rel-9	F	RP-110156	R5-110357	Correction to Enhanced Cell FACH MAC testcase 7.1.5a.7	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2897	-	Rel-9	F	RP-110156	R5-110358	Correction to Enhanced Cell FACH RRC testcase 8.3.1.47	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2898	-	Rel-9	F	RP-110156	R5-110359	Correction to Enhanced Cell FACH RAB testcase Procedure	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2899	-	Rel-9	F	RP-110156	R5-110360	Correction to Enhanced Cell FACH RRC testcase 8.1.10.2	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2900	-	Rel-9	F	RP-110156	R5-110361	Corrections to 8.3.4.x testcases regarding F-DPCH Configuration	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2901	-	Rel-9	F	RP-110156	R5-110362	Correction to Rel-7 RRC MiMo testcases	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2902	-	Rel-9	F	RP-110156	R5-110363	Correction to CS Voice Over HSPA testcases 7.3.7.1 & 7.3.7.2	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2903	-	Rel-9	F	RP-110156	R5-110364	Correction to CS Voice Over HSPA testcases 8.3.1.48	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2904	-	Rel-9	F	RP-110156	R5-110488	New test case for Successful Secondary PDP Context Activation Procedure Initiated by the Network	9.3.0	9.4.0	R5	TEI7_Test

34.123-1	2905	-	Rel-9	F	RP-110156	R5-110489	New test case for Successful Secondary PDP Context Activation, Deactivation and Re-activation Initiated by the Network	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2906	-	Rel-9	F	RP-110156	R5-110490	New test case for Network initiated PDP context modification / Adding and deleting filters to TFT of a secondary PDP context	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2907	-	Rel-9	F	RP-110156	R5-110491	New test case for Network initiated PDP context modification / Adding filters to TFT of the primary PDP context	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2908	-	Rel-9	F	RP-110156	R5-110492	New test case for PDP context deactivation initiated by the network / secondary PDP context active / deactivation of primary PDP context	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2909	-	Rel-9	F	RP-110154	R5-110512	Correction of default value of Qsearch_I for LCR TDD	9.3.0	9.4.0	R5	TEI5_Test
34.123-1	2910	-	Rel-9	F	RP-110165	R5-110565	Corrections to PPAC GMM test case 12.2.2.10	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2911	-	Rel-9	F	RP-110153	R5-110616	Addition contents of LCR TDD in 34.123-1 7.1.2.4a	9.3.0	9.4.0	R5	TEI4_Test
34.123-1	2912	-	Rel-9	F	RP-110153	R5-110617	Correction to test case 8.3.7.5 for 1.28Mcps TDD	9.3.0	9.4.0	R5	TEI4_Test
34.123-1	2913	-	Rel-9	F	RP-110153	R5-110618	Correction Reporting cell status of 2D for LCR TDD in 34.123-1 8.4.1.26	9.3.0	9.4.0	R5	TEI4_Test
34.123-1	2914	-	Rel-9	F	RP-110154	R5-110619	Correction reference radio bearer configuration in 34.123-1 18.1.5.6	9.3.0	9.4.0	R5	TEI5_Test
34.123-1	2915	-	Rel-9	F	RP-110156	R5-110625	Correction to GCF WI-025 HSUPA RRC test case 8.3.1.41	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2916	-	Rel-9	F	RP-110152	R5-110668	Correction to RRC testcase 8.2.2.43 and 8.2.2.43a	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2917	-	Rel-9	F	RP-110152	R5-110669	Correction to GMM test case 12.3.2.1	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2918	-	Rel-9	F	RP-110166	R5-110670	Correction of 8.1.5.7 for auditing UE capabilities	9.3.0	9.4.0	R5	TEI9_Test
34.123-1	2919	-	Rel-9	F	RP-110156	R5-110671	Correction to Network selection enhancement test case 6.1.1.15	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2920	-	Rel-9	F	RP-110152	R5-110672	Correction to WI-12 MM test case 9.4.3.3	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2921	-	Rel-9	F	RP-110152	R5-110675	Corrections to GCF WI-010 GMM Test Cases 12.2.1.10, 12.4.1.4b, 12.4.1.4c, 12.4.1.4d, 12.4.3.4	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2922	-	Rel-9	F	RP-110152	R5-110676	Addition of new test case for Cell Broadcast Service DRX	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2923	-	Rel-9	F	RP-110173	R5-110678	New test case 17.2.7.1: MT-LR UE Based or UE-Assisted A-GNSS – Request for additional assistance data/Success	9.3.0	9.4.0	R5	AGNSSTest_UTRAN
34.123-1	2924	-	Rel-9	F	RP-110165	R5-110680	Corrections to GCF high priority Session Management test cases to cater for Rel-8 behaviour	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2925	-	Rel-9	F	RP-110165	R5-110681	Corrections to GCF high priority Packet Switched Mobility Management test cases to cater for Rel-8 behaviour	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2926	-	Rel-9	F	RP-110152	R5-110682	Correction to the GCF WI-010 Idle mode testcase 6.1.2.2	9.3.0	9.4.0	R5	TEI_Test
34.123-1	2927	-	Rel-9	F	RP-110156	R5-110683	Correction to the CS over HSPA test case 8.3.1.48	9.3.0	9.4.0	R5	TEI7_Test
34.123-	2928	-	Rel-9	F	RP-110166	R5-110684	Correction to TC 8.3.2.1a	9.3.0	9.4.0	R5	TEI9_Test

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34.123-1	2929	-	Rel-9	F	RP-110165	R5-110685	Corrections to PPAC RRC test case 8.1.2.26	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2930	-	Rel-9	F	RP-110165	R5-110688	Update to test cases 8.1.1.13, 8.1.1.14, 8.1.1.15, 8.1.1.16, 8.1.1.17 and 8.1.1.18	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2931	-	Rel-9	F	RP-110177	R5-110696	New RRC test case for activation/deactivation of DC-HSDPA, MIMO and 16QAM for transition between CELL_FACH and CELL_DCH	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2932	-	Rel-9	F	RP-110177	R5-110697	New RRC test case for activation/deactivation of DC-HSDPA, MIMO and 64QAM for transition between CELL_FACH and CELL_DCH	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2933	-	Rel-9	F	RP-110177	R5-110698	New radio bearer test case 14.6.1h for Dual-Cell and MIMO	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2934	-	Rel-9	F	RP-110177	R5-110699	New radio bearer test case 14.6.1i for Dual-Cell and MIMO	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2935	-	Rel-9	F	RP-110177	R5-110700	New RRC test case for Dual Cell and MIMO activation by serving cell change	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2936	-	Rel-9	F	RP-110177	R5-110701	New RRC test case for Dual Cell and MIMO activation by serving cell change (SRB mapped on E-DCH/DCH)	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2937	-	Rel-9	F	RP-110156	R5-110878	Correction to Radio Bearer Test Procedure 14.1.3.5a	9.3.0	9.4.0	R5	TEI7_Test
34.123-1	2938	-	Rel-9	F	RP-110175	R5-110784	Addition of inter-band operation test method for the LCR TDD UE that supports both band A and band F in TC 8.2.6.42a	9.3.0	9.4.0	R5	LCRTDD_MB_MF_UEConTest
34.123-1	2939	-	Rel-9	F	RP-110175	R5-110785	Addition of inter-band operation test method for the LCR TDD UE that supports both band A and band F in TC 8.3.1.32a	9.3.0	9.4.0	R5	LCRTDD_MB_MF_UEConTest
34.123-1	2940	-	Rel-9	F	RP-110153	R5-110786	Correction of Specific Message Content of Measurement Reports for LCR TDD	9.3.0	9.4.0	R5	TEI4_Test
34.123-1	2944	-	Rel-9	F	RP-110363	R5-110870	Addition of new test case for Intra-frequency inbound handover to UMTS CSG cell without reporting proximity indication	9.3.0	9.4.0	R5	EHNB-LTE_UEConTest
34.123-1	2946	-	Rel-9	F	RP-110363	R5-110871	Addition of a New TC for Intra-frequency measurements for UMTS CSG cell for non-member UE	9.3.0	9.4.0	R5	EHNB-LTE_UEConTest
34.123-1	2947	-	Rel-9	F	RP-110363	R5-110872	Addition of a New TC for Intra-frequency inbound handover to UMTS hybrid cell	9.3.0	9.4.0	R5	EHNB-LTE_UEConTest
34.123-1	2948	-	Rel-9	F	RP-110363	R5-110873	Addition of a New TC for Intra-frequency inbound handover to UMTS hybrid cell for non-member UE	9.3.0	9.4.0	R5	EHNB-LTE_UEConTest
34.123-1	2949	-	Rel-9	F	RP-110165	R5-110823	Addition of new Test Case 8.2.2.57a	9.3.0	9.4.0	R5	TEI8_Test
34.123-1	2950	-	Rel-9	F	RP-110177	R5-110833	New radio bearer test case 14.6.6g for Dual-Cell and MIMO	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-1	2951	-	Rel-9	F	RP-110177	R5-110834	New radio bearer test case 14.6.6h for Dual-Cell and MIMO	9.3.0	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-2	0512	-	Rel-9	F	RP-110175	R5-110510	Testcase names and numbering correction to 34.123-2 for LCR TDD HS-PDSCH	9.3.1	9.4.0	R5	LCRTDD_MB_MF_UEConTest
34.123-2	0513	-	Rel-9	F	RP-110173	R5-110128	Clarification of ICS in section 17.2	9.3.1	9.4.0	R5	AGNSSTest_UTRAN
34.123-2	0514	-	Rel-9	F	RP-110173	R5-110131	Clarification of ICS in Annex A.4	9.3.1	9.4.0	R5	AGNSSTest_UTRAN
34.123-	0515	-	Rel-9	F	RP-110173	R5-110679	Addition of test applicability associated to some of the new	9.3.1	9.4.0	R5	AGNSSTest_UTRAN

2							A-GNSS MO-LR and MT-LR test cases				
34.123-2	0516	-	Rel-9	F	RP-110177	R5-110702	Addition of applicability for new Radio Bearer Reconfiguration test cases for combination of DC-HSDPA with MIMO	9.3.1	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-2	0517	-	Rel-9	F	RP-110177	R5-110228	Addition of applicability for new radio bearer test cases for Dual-Cell and MIMO	9.3.1	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-2	0518	-	Rel-9	F	RP-110177	R5-110502	Addition of applicability for new Active setup RRC test cases for combination of DC-HSDPA with MIMO	9.3.1	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-2	0519	-	Rel-9	F	RP-110363	R5-110874	Addition of applicability for some new Rel-9 HNB Test Cases	9.3.1	9.4.0	R5	EHNB-LTE_UEConTest
34.123-2	0522	-	Rel-9	F	RP-110178	R5-110222	Correction of the position of Rel-9 HNB RRC Test Cases in the applicability table	9.3.1	9.4.0	R5	EHNB-UTRA_FDD_UEConTest
34.123-2	0524	-	Rel-9	F	RP-110165	R5-110824	Change the applicability of eCall test	9.3.1	9.4.0	R5	TEI8_Test
34.123-2	0525	-	Rel-9	F	RP-110156	R5-110831	Addition of applicability for new Network Initiated Secondary PDP Context test cases	9.3.1	9.4.0	R5	TEI7_Test
34.123-2	0526	-	Rel-9	F	RP-110177	R5-110744	Addition of applicability for new Network Initiated Secondary PDP Context test cases 11.1.5.2, 11.2.1a, 11.2.1b	9.3.1	9.4.0	R5	RANimp-DC_MIMO_UEConTest
34.123-2	0527	-	Rel-9	F	RP-110165	R5-110384	Applicability for the new Test Case 8.2.2.57a	9.3.1	9.4.0	R5	TEI8_Test
34.123-2	0528	-	Rel-9	F	RP-110152	R5-110687	Addition of applicability for new test case on Cell Broadcast Service DRX	9.3.1	9.4.0	R5	TEI_Test
34.123-2	0529	-	Rel-9	F	RP-110156	R5-110686	Correstion to the content of the Note on Table 18a.2 of 34.123-2	9.3.1	9.4.0	R5	TEI7_Test
34.123-3	2847	-	Rel-8	F	RP-110165	R5-110103	Routine maintenance for LCR TDD ASP	8.8.0	8.9.0	R5	TEI8_Test
34.123-3	2848	-	Rel-8	F	RP-110165	R5-110104	Routine maintenance of 34.123-3	8.8.0	8.9.0	R5	TEI8_Test
34.123-3	2849	-	Rel-8	F	RP-110165	R5-110365	Table and figure renumbering in 34.123-3	8.8.0	8.9.0	R5	TEI8_Test
34.123-3	2850	-	Rel-8	F	RP-110167	-	CR to 34.123-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 34.123-3 (prose), Annex A	8.8.0	8.9.0	R5	TEI8_Test
34.123-3	2851	-	Rel-8	F	RP-110168	R5s100841	Corrections to Rel-7 Enhanced Cell-FACH DL and L2 Enhancement testcases	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2852	-	Rel-8	B	RP-110168	R5s100809	Addition of GCF WI-114 64 QAM RRC test case 8.3.4.13 to HSPA7_ENH ATS	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2853	-	Rel-8	B	RP-110168	R5s110017	Addition of GCF WI-110 Enhanced Cell FACH DL RRC test case 8.3.1.47 to HSPA7_ENH ATS	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2854	-	Rel-8	F	RP-110168	R5s110050	Correction to GCF WI-010 NAS test case 12.2.1.3	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2855	-	Rel-8	F	RP-110168	R5s110049	Correction to GCF WI-067 HSPA7 MIMO test cases 14.6.1d and 14.6.6c	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2856	-	Rel-8	F	RP-110168	R5s110048	Correction to GCF WI-010 RRC test case 8.3.2.12	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2857	-	Rel-8	F	RP-110168	R5s100798	Correction to Rel-7 GCF WI-110 testcase 7.1.5a.6	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2858	-	Rel-8	F	RP-110168	R5s100791	Correction for GCF WI-010 SMS test case 16.2.1	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2859	-	Rel-8	F	RP-110168	R5s100786	Correction to GCF WI 10 NAS test case 12.2.1.4.2	8.8.0	8.9.0	R5	TEI_Test

34.123-3	2860	-	Rel-8	B	RP-110168	R5s100710	Addition of GCF WI-104 Idle Mode test case 6.1.1.14 to HSPA7_ENH ATS	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2861	-	Rel-8	F	RP-110168	R5s100808	Correction to the RFT 67 test cases	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2862	-	Rel-8	F	RP-110168	R5s100807	Correction to Rel-7 MAC test case 7.1.5a.5.2 and 7.1.5a.5.3	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2863	-	Rel-8	F	RP-110168	R5s100804	Correction for GCF WI-025 HSUPA test case 8.2.6.51	8.8.0	8.9.0	R5	TEI6_Test
34.123-3	2864	-	Rel-8	F	RP-110168	R5s100805	Correction to RRC test cases 8.2.2.43 and 8.2.2.43a	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2865	-	Rel-8	B	RP-110168	R5s100764	Addition of GCF WI-104 Idle Mode test case 6.1.1.12 to HSPA7_ENH ATS	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2866	-	Rel-8	F	RP-110168	R5s110066	Correction to RFT 67 test cases	8.8.0	8.9.0	R5	TEI_Test
34.123-3	2867	-	Rel-8	F	RP-110168	R5s110072	Corrections to CPC & CS Voice Over HSPA testcases	8.8.0	8.9.0	R5	TEI7_Test
34.123-3	2868	-	Rel-8	F	RP-110168	R5s110083	Correction to GCF WI 25 HSUPA MAC test case 7.1.6.1.1	8.8.0	8.9.0	R5	TEI6_Test
34.171	0017	-	Rel-9	F	RP-110173	R5-110126	Clarification of Scope and ICS	9.0.0	9.1.0	R5	AGNSSTest_UTRAN
34.229-1	0271	-	Rel-9	F	RP-110165	R5-110254	Updates to conformance requirements for XCAP and CDIV TCs	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0272	-	Rel-9	F	RP-110165	R5-110255	Updates to conformance requirements of IMS call related suppl. services	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0273	-	Rel-9	F	RP-110165	R5-110256	Updates to conformance requirements of IMS conference call TCs	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0274	-	Rel-9	F	RP-110165	R5-110258	Updates to conformance requirements of IMS MO calls	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0275	-	Rel-9	F	RP-110165	R5-110262	Updates to conformance requirements of IMS MO text session with MSRP	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0276	-	Rel-9	F	RP-110174	R5-110265	Corrections to the IMS emergency TC 19.1.1	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0277	-	Rel-9	F	RP-110174	R5-110266	Introducing TC 19.5.6 User-initiated emergency reregistration / UE has emergency related ongoing dialog	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0278	-	Rel-9	F	RP-110174	R5-110267	Introducing TC 19.1.2 Emergency call with emergency registration / Success / Location information not available	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0279	-	Rel-9	F	RP-110174	R5-110268	Introducing TC 19.1.4 Emergency call with emergency registration / UE is not [normal] registered / Success	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0280	-	Rel-9	F	RP-110165	R5-110366	Update test case 10.1	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0281	-	Rel-9	F	RP-110165	R5-110367	Update test case 12.2	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0282	-	Rel-9	F	RP-110165	R5-110368	Update test case 12.13	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0283	-	Rel-9	F	RP-110165	R5-110369	Update test case 12.16	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0284	-	Rel-9	F	RP-110165	R5-110370	Update test case 12.17	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0285	-	Rel-9	F	RP-110165	R5-110374	Update test case 16.1	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0286	-	Rel-9	F	RP-110165	R5-110375	Update test case 16.2	9.3.0	9.4.0	R5	TEI8_Test

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34.229-1	0287	-	Rel-9	F	RP-110165	R5-110376	Update test case 16.3	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0288	-	Rel-9	F	RP-110165	R5-110377	Update test case 16.4	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0289	-	Rel-9	F	RP-110165	R5-110493	Add editor's note to test case 16.11	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0290	-	Rel-9	F	RP-110165	R5-110494	Add editor's note to test case 16.12	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0291	-	Rel-9	F	RP-110165	R5-110495	Add editor's note to test case 16.13	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0292	-	Rel-9	F	RP-110165	R5-110496	Add editor's note to test case 17.2	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0293	-	Rel-9	F	RP-110165	R5-110497	Add editor's note to test case 17.6	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0294	-	Rel-9	F	RP-110165	R5-110498	Add editor's note to test case 17.17	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0295	-	Rel-9	F	RP-110165	R5-110673	Updating SMS related default messages and ISIM settings – 3 IMPU	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0296	-	Rel-9	F	RP-110165	R5-110689	Resubmission of new IMS test case 12.2A MO Call - 504 Server Time-out	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0297	-	Rel-9	F	RP-110165	R5-110690	Introducing new TC 7.9 P-CSCF discovery from ISIM	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0298	-	Rel-9	F	RP-110165	R5-110691	Correct service header fields in default MT INVITE	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0299	-	Rel-9	F	RP-110165	R5-110693	Support for multiple IMPU on ISIM	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0300	-	Rel-9	F	RP-110165	R5-110704	update test case 13.1	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0301	-	Rel-9	F	RP-110165	R5-110705	update test case 13.2	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0302	-	Rel-9	F	RP-110165	R5-110706	update test case 13.3	9.3.0	9.4.0	R5	TEI8_Test
34.229-1	0303	-	Rel-9	F	RP-110174	R5-110804	Introduction of new test case 19.1.3 for CT1 aspects of IMS emergency call over GPRS and EPS	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0304	-	Rel-9	F	RP-110174	R5-110805	Introduction of new test case 19.1.5 for CT1 aspects of IMS emergency call over GPRS and EPS	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0306	-	Rel-9	F	RP-110174	R5-110807	Introduction of new test case 19.4.3 for CT1 aspects of IMS emergency call over GPRS and EPS	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0307	-	Rel-9	F	RP-110174	R5-110808	Introduction of new test case 19.4.4 for CT1 aspects of IMS emergency call over GPRS and EPS	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0308	-	Rel-9	F	RP-110174	R5-110809	Update IMS emergency registration procedure	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-1	0309	-	Rel-9	F	RP-110174	R5-110810	New emergency test case 19.3.2 Non-UE detectable emergency call / IM CN sends 380 Alternative Service / Non-emergency IMS registration	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-2	0079	-	Rel-9	F	RP-110165	R5-110264	applicability for IMS TCs updated or added to Rel-8	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0080	-	Rel-9	F	RP-110174	R5-110270	Introducing IMS emergency TCs 19.1.2, 19.1.4, 19.5.6	9.3.1	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest

34.229-2	0081	-	Rel-9	F	RP-110165	R5-110291	Update roles and ICS related to SIP	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0082	-	Rel-9	F	RP-110165	R5-110292	Update applicability roles	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0083	-	Rel-9	F	RP-110165	R5-110293	Update SIP compression table	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0084	-	Rel-9	F	RP-110165	R5-110294	Remove SDP tables	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0085	-	Rel-9	F	RP-110165	R5-110295	Update additional information	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0086	-	Rel-9	F	RP-110165	R5-110296	Update UE implementation types	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0087	-	Rel-9	F	RP-110165	R5-110378	Update applicability for test case 10.1	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0088	-	Rel-9	F	RP-110165	R5-110379	Update applicability for test cases 12.2, 12.13, 12.16 and 12.17	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0089	-	Rel-9	F	RP-110165	R5-110381	Update applicability for test cases 16.1, 16.2, 16.3 and 16.4	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0090	-	Rel-9	F	RP-110165	R5-110401	Applicable release upgrade for clause 6 and 7 test cases	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0091	-	Rel-9	F	RP-110165	R5-110500	Update applicability of test cases 16.11, 16.12, 16.13, 17.2, 17.6, 17.17 and 17.18.	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0092	-	Rel-9	F	RP-110165	R5-110707	update applicability for test cases 13.1, 13.2 and 13.3	9.3.1	9.4.0	R5	TEI8_Test
34.229-2	0093	-	Rel-9	F	RP-110174	R5-110811	Introduction of applicability conditions for new test cases for CT1 aspects of IMS emergency call over GPRS and EPS	9.3.1	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-2	0094	-	Rel-9	F	RP-110174	R5-110812	Applicability for new emergency test case 19.3.2	9.3.1	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
34.229-2	0095	-	Rel-9	F	RP-110165	R5-110822	Introducing new MTSI test cases for Three Way Session and CW	9.3.1	9.4.0	R5	TEI8_Test
34.229-3	0057	-	Rel-8	F	RP-110165	R5-110694	Mapping of some PIXIT parameters to ISIM EFs – 3 IMPU	8.5.0	8.6.0	R5	TEI8_Test
34.229-3	0058	-	Rel-8	F	RP-110169	-	CR to 34.229-3 (prose) update to v860	8.5.0	8.6.0	R5	TEI8_Test
36.508	0182	-	Rel-9	F	RP-110161	R5-110069	Update of HRPD overhead message parameters	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0183	-	Rel-9	F	RP-110161	R5-110105	AccessSignature, SectorSignature	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0184	-	Rel-9	F	RP-110161	R5-110229	Add a new eUTRA sub-end state E2_T3440	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0185	-	Rel-9	F	RP-110161	R5-110331	Correction for NAS message NOTE	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0186	-	Rel-9	F	RP-110161	R5-110332	Addition of CSIM default contents	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0187	-	Rel-9	F	RP-110161	R5-110410	Update of Table 4.4.2-1 with HRPD/1xRTT frequency range info	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0188	-	Rel-9	F	RP-110161	R5-110433	Update of the RF exceptional RRC message	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.508	0189	-	Rel-9	F	RP-110161	R5-110471	Editorial correction for IMS signalling	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0190	-	Rel-9	F	RP-110161	R5-110472	Correction to SIB combinations related to HeNB Cells	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0191	-	Rel-9	F	RP-110161	R5-110534	Correction to default message content for Detach Request message	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0192	-	Rel-9	F	RP-110161	R5-110542	Removal of Lower Humidity Limit in Normal Conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.508	0193	-	Rel-9	F	RP-110161	R5-110593	Correction of EARFCN numbers for band 41	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.508	0193	-	Rel-9	F	RP-110161	R5-110593	Removal of "Modified contents of the EFs at the ISIM ADF (application DF) level"	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.508	0194	-	Rel-9	F	RP-110161	R5-110601	Correction of the IEs for compressed mode in table 4.7B.1-5	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0195	-	Rel-9	F	RP-110161	R5-110703	Update to default message content for TRACKING AREA UPDATE REQUEST message	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0196	-	Rel-9	F	RP-110161	R5-110708	Add default APN for IMS	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0197	-	Rel-9	F	RP-110161	R5-110710	Introduction of over head messages for CDMA2000 1XRTT	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0198	-	Rel-9	F	RP-110161	R5-110875	Addition of default SMS over SGs message contents	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0199	-	Rel-9	F	RP-110161	R5-110746	Correction to 'Test procedure to check that UE is camped on E-UTRAN cell upon mobility from another RAT'	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0200	-	Rel-9	F	RP-110161	R5-110788	Correction of frequency allocations	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0201	-	Rel-9	F	RP-110161	R5-110789	Update of Reference packet filters contents	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.508	0202	-	Rel-9	F	RP-110157	R5-110846	Correction to FDD Reference Test Frequencies for Operating Band 12	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.508	0203	-	Rel-9	F	RP-110157	R5-110937	LTE RF: state 3A-RF update	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.508	0204	-	Rel-9	F	RP-110172	R5-110968	Add test frequencies for bands 42, 43 (3500MHz)	9.3.0	9.4.0	R5	LTE-UEConTest_LTE3500
36.509	0018	-	Rel-9	F	RP-110161	R5-110221	Corrections and clarifications to TS 36.509 Rel-8	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.521-1	0393	-	Rel-9	F	RP-110158	R5-110138	Spurious emission band co-existence test: Remaining old test requirement table	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0394	-	Rel-9	F	RP-110158	R5-110139	Transmit intermodulation test: Interferer offset for Band 20, Bandwidth 20 MHz	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0395	-	Rel-9	F	RP-110158	R5-110141	PMI Performance tests: Corrections to test settings	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0396	-	Rel-9	F	RP-110158	R5-110143	PDCCH Performance test: Correction to TDD DL RMC-s	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0397	-	Rel-9	F	RP-110158	R5-110144	OCNG for RF tests: Updates	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0398	-	Rel-9	F	RP-110158	R5-110158	CQI Performance tests: Clarification on subbands used in the test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0399	-	Rel-9	F	RP-110158	R5-110302	LTE RF: PCFICH/PDCCH Transmit Diversity Performance	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0400	-	Rel-9	F	RP-110158	R5-110860	Update measurement period from test procedure of 6.2.2	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0401	-	Rel-9	F	RP-110158	R5-110349	Correction of OFF power measurements in 6.3.4 ON/OFF time mask	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0402	-	Rel-9	F	RP-110158	R5-110354	Correction of Annex E (Global In-Channel TX-Test)	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0403	-	Rel-9	F	RP-110172	R5-110506	Addition of 3500 MHz TDD bands into chapter 5 of 36.521-1	9.3.0	9.4.0	R5	LTE-UEConTest_LTE3500
36.521-1	0404	-	Rel-9	F	RP-110158	R5-110747	Updates to section 8.7 DL sustained data rate test case	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0405	-	Rel-9	F	RP-110158	R5-110850	Sustained data rate: Definition of UL RMC-s	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0406	-	Rel-9	F	RP-110158	R5-110900	Correction to SNR reference in FDD PCFICH/PDCCH Single Antenna Port Performance Test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0407	-	Rel-9	F	RP-110158	R5-110901	CR to 36.521-1: Correction of Additional Maximum Power Reduction (A-MPR) test case	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0408	-	Rel-9	F	RP-110158	R5-110915	Uncertainties and Test Tolerances for CSI Test cases 9.3.1.1.x and 9.3.2.1.x	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0409	-	Rel-9	F	RP-110158	R5-110916	Uncertainties and Test Tolerances for CSI Test cases 9.3.3.1.x	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0410	-	Rel-9	F	RP-110158	R5-110917	Uncertainties and Test Tolerances for CSI Test cases	9.3.0	9.4.0	R5	LTE-UEConTest_RF

1							9.4.1.1.x and 9.4.2.1.x				
36.521-1	0411	-	Rel-9	F	RP-110158	R5-110918	Uncertainties and Test Tolerances for CSI Test cases 9.5.1.x	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0412	-	Rel-9	F	RP-110158	R5-110919	Editorial errors in CSI test cases 9.2.1.x Test procedure	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0413	-	Rel-9	F	RP-110158	R5-110933	Handling of different releases in RAN5 LTE RF specification	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0414	-	Rel-9	F	RP-110158	R5-110938	PRACH Time mask and EVM tests: TDD Special subframe configuration	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0415	-	Rel-9	F	RP-110158	R5-110939	Update on PRACH time mask for TDD	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0416	-	Rel-9	F	RP-110158	R5-110940	Correction of the connection diagram reference in the initial conditions for Transmitter Characteristics	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0417	-	Rel-9	F	RP-110158	R5-110941	Update of the reference sensitivity requirement for the 1.4MHz and 3MHz bandwidths and note correction for Band 3 and Band 9	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0418	-	Rel-9	F	RP-110158	R5-110942	CR Removing brackets of band 41 reference sensitivity in 36.521-1	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0419	-	Rel-9	F	RP-110158	R5-110949	PDCCCH and PHICH performance tests: Updates and corrections	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0420	-	Rel-9	F	RP-110158	R5-110950	Addition of CodeBookSubsetRestriction bitmap for Multi-Layer Spatial Multiplexing	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0421	-	Rel-9	F	RP-110158	R5-110951	Addition of exceptional message in 8.4.1.2.2	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0422	-	Rel-9	F	RP-110158	R5-110952	CQI test 9.2.2.2: Update acc TS 36.101	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0423	-	Rel-9	F	RP-110158	R5-110953	Maximum input level test: Correction to DL-RMC	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0424	-	Rel-9	F	RP-110158	R5-110954	Correction of E.7, EVM with exclusion period	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0425	-	Rel-9	F	RP-110158	R5-110967	Updates to Additional Spurious emissions and Spurious emission band UE co-existence test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0426	-	Rel-9	F	RP-110158	R5-110970	LTE RF: references to state 3A in 36.521-1	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0428	-	Rel-9	F	RP-110158	R5-110861	A-MPR Test requirement update	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0429	-	Rel-9	F	RP-110158	R5-110973	RI Performance tests: Corrections	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0430	-	Rel-9	F	RP-110158	R5-110975	Completion of annex G.3.5 (Minimum test time, performance tests)	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0431	-	Rel-9	F	RP-110158	R5-110978	Correction to Band 12 frequency range	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0432	-	Rel-9	F	RP-110158	R5-110979	Additional in-band blocking requirement for Band 12	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0433	-	Rel-9	F	RP-110158	R5-110989	Completion of annex G.3.6 (test conditions, performance tests)	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0434	-	Rel-9	F	RP-110176	R5-110990	Addition of test cases of TDD PDSCH Single-layer and Dual-layer Spatial Multiplexing Performance	9.3.0	9.4.0	R5	LTEImp-eDL_UEConTest
36.521-1	0435	-	Rel-9	F	RP-110158	R5-110991	Correction to Times Mask and Power Control tests	9.3.0	9.4.0	R5	LTE-UEConTest_RF

36.521-1	0436	-	Rel-9	F	RP-110158	R5-110992	Add requirement of QPSK with partial RB allocation into test requirement of 6.2.3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-1	0437	-	Rel-9	F	RP-110158	R5-110862	Measuring throughput with different payload size.	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-2	0023	-	Rel-9	F	RP-110172	R5-110536	Defining new bands 42 and 43 (3500MHz)	9.3.0	9.4.0	R5	LTE-UEConTest_LTE3500
36.521-2	0024	-	Rel-9	F	RP-110158	R5-110955	CR to 36.521-2: General update to add, remove, and correct applicability of RRM TCs	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0296	-	Rel-9	F	RP-110159	R5-110150	RRC Re-establishment tests: Corrections to Message contents	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0297	-	Rel-9	F	RP-110159	R5-110151	Radio link monitoring tests: Corrections to Message contents	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0298	-	Rel-9	F	RP-110159	R5-110155	UE Measurements Procedures tests: Test loop	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0299	-	Rel-9	F	RP-110159	R5-110167	Removal of [] from PDSCH and PCFICH/PDCCH/PHICH Measurement Channel references	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0300	-	Rel-9	F	RP-110159	R5-110348	Revision of 36.521-3 Annex G - Statistical testing	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0301	-	Rel-9	F	RP-110159	R5-110418	Correction to TDD cell re-selection	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0302	-	Rel-9	F	RP-110159	R5-110419	Correction to exception messages in 4.5.1 HRPD Re selection test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0303	-	Rel-9	F	RP-110159	R5-110424	Alignment of exception messages for TDD event triggered measurement tests	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0304	-	Rel-9	F	RP-110159	R5-110435	Modification of message content definition for TC 8.4.1	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0305	-	Rel-9	F	RP-110159	R5-110437	Update to TC 8.6.1: E-UTRAN TDD - UTRAN FDD event triggered reporting under fading propagation conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0306	-	Rel-9	F	RP-110159	R5-110438	Correction to TC 8.7.1: E-UTRA TDD to UTRA(1.28 Mcps TDD OPTION) cell search in fading propagation conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0307	-	Rel-9	F	RP-110159	R5-110443	Update to TC 8.8.1: E-UTRAN FDD - GSM event triggered reporting in AWGN	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0308	-	Rel-9	F	RP-110159	R5-110445	Corrections to TC 8.9.1: E-UTRAN FDD - UTRAN TDD event triggered reporting under fading propagation conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0309	-	Rel-9	F	RP-110159	R5-110520	Correction to Inter-RAT Connected State Mobility for Alignment	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0310	-	Rel-9	F	RP-110159	R5-110546	Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to UTRAN test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0311	-	Rel-9	F	RP-110159	R5-110866	Addition to Measurement Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to UTRAN test in Annex	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0312	-	Rel-9	F	RP-110159	R5-110549	Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to GSM unknown test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0313	-	Rel-9	F	RP-110159	R5-110868	Addition to Measurement Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to GSM unknown test in Annex	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0314	-	Rel-9	F	RP-110159	R5-110584	Correction to gap pattern ID in test case 5.1.4	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0315	-	Rel-9	F	RP-110159	R5-110586	Clarification to 1.4 MHz testing and applicability in test case 7.1.1	9.3.0	9.4.0	R5	LTE-UEConTest_RF

36.521-3	0316	-	Rel-9	F	RP-110159	R5-110588	Test time limit correction for DRX=40ms in test case 8.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0317	-	Rel-9	F	RP-110159	R5-110902	CR to 36.521-3: Update LTE RRM test requirements for EUTRA TDD LTE band 41	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0318	-	Rel-9	F	RP-110159	R5-110903	Correction to exception messages in 5.3.1 HRPD HHO test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0319	-	Rel-9	F	RP-110159	R5-110904	MIMO Correlation scenario for RLM test cases	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0320	-	Rel-9	F	RP-110159	R5-110905	Enabling HARQ for section 8 and 9 RRM Tests	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0321	-	Rel-9	F	RP-110159	R5-110907	Re-ordering of Time periods, definition of uncertainties, and addition of Test Tolerances for RRM test case 4.3.1.1	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0322	-	Rel-9	F	RP-110159	R5-110910	Updated Test Tolerances for RRM Test cases 7.1.1 + 7.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0323	-	Rel-9	F	RP-110159	R5-110911	Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to GSM tests	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0324	-	Rel-9	F	RP-110159	R5-110912	Addition to Measurement Uncertainties and Test Tolerances for Connected State Mobility Inter-RAT to GSM test in Annex	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0325	-	Rel-9	F	RP-110159	R5-110927	Corrections to RRM TC 8.1.1, 8.1.2 and 8.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0326	-	Rel-9	F	RP-110159	R5-110928	Corrections to test cases about E-UTRAN FDD-FDD Inter-frequency measurement 8.3.1, 8.3.2 and 8.3.3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0327	-	Rel-9	F	RP-110159	R5-110929	Corrections to TCs related to E-UTRAN FDD - UTRAN measurements: 8.5.1, 8.5.2 and 8.5.3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0328	-	Rel-9	F	RP-110159	R5-110930	UE Measurement procedures tests: Corrections to Message contents	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0329	-	Rel-9	F	RP-110159	R5-110931	DL-RMC-s and OCNG for RRM tests: Updates	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0330	-	Rel-9	F	RP-110159	R5-110863	Higher SNR on event triggered measurement tests	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0331	-	Rel-9	F	RP-110159	R5-110946	Uncertainties and Test Tolerances for RRM test case 4.3.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0332	-	Rel-9	F	RP-110159	R5-110948	Uncertainties and Test Tolerances for RRM test cases 4.4.1 and 4.4.2	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0333	-	Rel-9	F	RP-110159	R5-110956	Modification of test case 5.1.6 - E-UTRAN TDD-TDD inter frequency handover: unknown target cell	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0334	-	Rel-9	F	RP-110159	R5-110957	LTE RRM: reference to state 3A in 36.521-3	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0335	-	Rel-9	F	RP-110159	R5-110958	Correction to RRM testes for Alignment	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0336	-	Rel-9	F	RP-110159	R5-110959	CR to 36.521-3: E-UTRAN FDD - UTRA FDD CPICH RSCP absolute accuracy test case	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0337	-	Rel-9	F	RP-110159	R5-110960	CR to 36.521-3: Addition of Multiple E-UTRAN FDD-FDD Inter-frequency event triggered reporting test case	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0338	-	Rel-9	F	RP-110159	R5-110961	CR to 36.521-3: E-UTRAN FDD-FDD Inter-frequency and UTRAN FDD event triggered reporting test case	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0339	-	Rel-9	F	RP-110159	R5-110962	Correction to exception messages in Radio Link Monitoring Test	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0340	-	Rel-9	F	RP-110159	R5-110963	Correction to TC 8.4.2: E-UTRAN TDD-TDD Inter-frequency event triggered reporting when DRX is used under fading	9.3.0	9.4.0	R5	LTE-UEConTest_RF

							propagation conditions in synchronous cells				
36.521-3	0341	-	Rel-9	F	RP-110159	R5-110964	Corrections to TC 8.7.3: E-UTRAN TDD - UTRAN TDD SON ANR cell search reporting under AWGN propagation conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0342	-	Rel-9	F	RP-110159	R5-110965	Correct the message definitions related to the RSRP and RSRQ performance testing	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0343	-	Rel-9	F	RP-110159	R5-110966	Update of RRM test 8.5.2 FDD SON	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0344	-	Rel-9	F	RP-110159	R5-110974	PUSCH scheduling: Correction for considering DRX	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0345	-	Rel-9	F	RP-110159	R5-110980	Correction to TC 8.8.2: E-UTRAN FDD - GSM Event triggered reporting when DRX is used in AWGN	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0346	-	Rel-9	F	RP-110159	R5-110981	Update to TC 8.10.1: E-UTRAN TDD - GSM event triggered reporting in AWGN	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0347	-	Rel-9	F	RP-110159	R5-110982	Corrections to TC 8.10.2: E-UTRAN TDD-GSM event triggered reporting when DRX is used in AWGN	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0348	-	Rel-9	F	RP-110159	R5-110983	Modification to TC 8.7.2: E-UTRAN TDD to UTRAN 1.28Mcps TDD cell search when DRX is used in fading propagation conditions	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0352	-	Rel-9	F	RP-110159	R5-110995	Radio link monitoring test 7.3.4: Minor correction to the test requirement	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.521-3	0353	-	Rel-9	F	RP-110159	R5-110996	Radio link monitoring tests: Corrections to the test procedure	9.3.0	9.4.0	R5	LTE-UEConTest_RF
36.523-1	1152	-	Rel-9	F	RP-110162	R5-110137	GCF Priority 2 - Correction to system information in 6.1.2.7 and 6.1.2.11	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1153	-	Rel-9	F	RP-110162	R5-110156	GCF priority 3: Correction of UTRA cell in Idle and EMM test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1154	-	Rel-9	F	RP-110162	R5-110192	GCF Priority 2 - Correction to EUTRA test case 8.3.2.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1155	-	Rel-9	F	RP-110162	R5-110194	GCF Priority 3 - Correction to EMM test case 9.2.1.1.12	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1156	-	Rel-9	F	RP-110162	R5-110205	GCF Priority 2 Correction of test case in 6.2.3.4 and 6.3.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1157	-	Rel-9	F	RP-110162	R5-110207	GCF Priority 3 Correction of test case in 8.1.1.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1158	-	Rel-9	F	RP-110162	R5-110208	GCF Priority 3 Correction of test case in 8.1.2.2 and 8.1.2.8	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1159	-	Rel-9	F	RP-110162	R5-110209	GCF Priority 2 Correction of test case in 8.1.3.4, 8.1.3.6 and 8.1.3.8	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1160	-	Rel-9	F	RP-110162	R5-110211	GCF Priority 3 Correction of test case in 8.3.1.11	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1161	-	Rel-9	F	RP-110162	R5-110220	GCF Priority 1 - Enhancement to EUTRA MAC test case 7.1.4.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1162	-	Rel-9	F	RP-110162	R5-110223	GCF Priority 1 - Correction to EUTRA PDCP test cases 7.3.4.1 and 7.3.4.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1163	-	Rel-9	F	RP-110162	R5-110230	GCF Priority 4 - Update to test cases 8.1.2.6 and 8.1.2.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1164	-	Rel-9	F	RP-110162	R5-110231	GCF Priority 4 - Correction on TC numbering and update to test case 8.1.2.10	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1165	-	Rel-9	F	RP-110162	R5-110232	GCF Priority 2 - Update to test cases 8.4.2.2 and 8.4.2.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-1	1166	-	Rel-9	F	RP-110162	R5-110234	GCF Priority 3 - Update to test case 9.2.1.2.11	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1167	-	Rel-9	F	RP-110162	R5-110273	Correction to TC 6.2.1.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1168	-	Rel-9	F	RP-110162	R5-110274	Correction to TC 6.2.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1169	-	Rel-9	F	RP-110162	R5-110277	Correction to TC 8.1.3.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1170	-	Rel-9	F	RP-110162	R5-110280	Correction to TC 9.2.3.3.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1171	-	Rel-9	F	RP-110162	R5-110305	GCF Priority 3 - Correction to TC 9.2.1.1.26	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1172	-	Rel-9	F	RP-110162	R5-110329	GCF Priority 2 - Update of EMM test case 9.3.1.7a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1173	-	Rel-9	F	RP-110174	R5-110341	Addition of new test case on Service request for mobile originating 1xCS fallback emergency call	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1174	-	Rel-9	F	RP-110174	R5-110342	Addition of new test case on emergency call in non-allowed CSG cell	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1175	-	Rel-9	F	RP-110162	R5-110386	GCF Priority 3 - Correction to EUTR-1XRTT test case 6.2.2.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1176	-	Rel-9	F	RP-110162	R5-110387	GCF Priority 3 - Correction to EUTR-1XRTT test case 6.2.3.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1177	-	Rel-9	F	RP-110162	R5-110388	GCF Priority 3 - Correction to EUTR-1XRTT test case 6.2.3.10	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1178	-	Rel-9	F	RP-110162	R5-110389	GCF Priority 3 - Correction to EUTR-1XRTT test cases 8.4.7.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1179	-	Rel-9	F	RP-110162	R5-110390	GCF Priority 3: Correction to EUTR-1XRTT test cases 8.4.7.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1180	-	Rel-9	F	RP-110162	R5-110392	GCF priority 3: Correction to MAC TBS (MIMO configured) test case 7.1.7.1.5	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1181	-	Rel-9	F	RP-110162	R5-110393	GCF priority 3: Correction to MAC TBS (MIMO configured) test case 7.1.7.1.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1182	-	Rel-9	F	RP-110162	R5-110400	GCF Priority 1 - Correction to EMM test case 9.2.1.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1183	-	Rel-9	F	RP-110174	R5-110440	Addition of new test case 11.2.5	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1184	-	Rel-9	F	RP-110174	R5-110442	Addition of new test case 11.2.4	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1185	-	Rel-9	F	RP-110162	R5-110450	GCF Priority 4 - Addition of new Multilayer Procedures test case 13.4.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1186	-	Rel-9	F	RP-110174	R5-110477	New TC 11.2.6 Normal tracking area update for emergency bearer services Local emergency list sent	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1187	-	Rel-9	F	RP-110162	R5-110486	GCF Priority 1.4 - Editorial corrections to EMM test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1188	-	Rel-9	F	RP-110162	R5-110504	GCF P3 : Corrections to DL and UL SPS grant test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1189	-	Rel-9	F	RP-110162	R5-110514	Correction to GCF WI-081 MAC test case 7.1.4.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1190	-	Rel-9	F	RP-110162	R5-110602	GCF Priority 2 - Correction of Idle testcase 6.2.3.5	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-1	1191	-	Rel-9	F	RP-110162	R5-110603	GCF Priority 3 - Correction of Idle testcase 6.2.3.13	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1192	-	Rel-9	F	RP-110162	R5-110604	GCF Priority 9 - Correction of Idle testcase 6.2.3.31	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1193	-	Rel-9	F	RP-110162	R5-110677	GCF Priority 2 - Correction to GCF WI-081 UTRAN - LTE Testcase 6.2.3.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1194	-	Rel-9	F	RP-110163	R5-110711	GCF Priority 1 - Correction to EUTRA MAC test case 7.1.4.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1195	-	Rel-9	F	RP-110163	R5-110712	GCF Priority 1 - Correction to EUTRA MAC test case 7.1.4.5	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1196	-	Rel-9	F	RP-110163	R5-110713	GCF Priority 1 - Correction to E-UTRA MAC test case 7.1.3.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1197	-	Rel-9	F	RP-110163	R5-110717	GCF Priority 1 - Correction to EUTRA RRC test case 8.3.3.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1198	-	Rel-9	F	RP-110163	R5-110718	GCF Priority 1 - Correction to EUTRA RLC test case 7.2.3.10	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1199	-	Rel-9	F	RP-110163	R5-110719	GCF Priority 1 Correction of test cases in 8.3.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1200	-	Rel-9	F	RP-110163	R5-110721	GCF Priority 2 - Correction to EUTRA Idle Mode test case 6.2.3.5	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1201	-	Rel-9	F	RP-110163	R5-110722	GCF Priority 2 - Correction to Idle mode test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1202	-	Rel-9	F	RP-110163	R5-110723	GCF Priority 2 - Update of idle mode TC 6.1.2.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1203	-	Rel-9	F	RP-110163	R5-110724	GCF Priority 2 - Correction to EUTRA PDCP test cases 7.3.5.2 and 7.3.5.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1204	-	Rel-9	F	RP-110163	R5-110725	GCF Priority 2 - Correction to EUTRA RRC test case 8.1.2.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1205	-	Rel-9	F	RP-110163	R5-110726	GCF priority 2: Correction of sysinfo combination in EMM and ESM test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1206	-	Rel-9	F	RP-110163	R5-110728	GCF Priority 2-Correction to TC-9.2.1.1.1a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1207	-	Rel-9	F	RP-110163	R5-110730	GCF Priority 3 - Addition of new TC 6.3.2 Inter-RAT cell reselection / From GSM_Idle/GPRS Packet_Idle to E-UTRA idle CSG cell	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1208	-	Rel-9	F	RP-110163	R5-110731	GCF Priority 3 - Update to test case 6.3.3 and 6.3.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1209	-	Rel-9	F	RP-110163	R5-110732	GCF Priority 3 - Addition of new test case 6.2.2.x for Inter-RAT Cell Selection	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1210	-	Rel-9	F	RP-110163	R5-110733	GCF Priority 3 - Correction to EUTRA RRC test case 8.1.1.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1211	-	Rel-9	F	RP-110163	R5-110734	GCF Priority 3 - Correction to EUTRA RRC test case 8.3.2.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1212	-	Rel-9	F	RP-110163	R5-110735	GCF Priority 3 - Correction to EUTRA RRC test case 8.3.1.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1213	-	Rel-9	F	RP-110163	R5-110737	GCF Priority 3 - Correction to EUTRA RRC test case 8.3.1.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1214	-	Rel-9	F	RP-110163	R5-110738	GCF Priority 3 - Correction to EMM test case 9.2.3.1.23	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1215	-	Rel-9	F	RP-110163	R5-110739	GCF Priority 3 - Correction to EMM test case 9.2.1.2.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-1	1216	-	Rel-9	F	RP-110163	R5-110740	GCF Priority 3 - Correction to EMM test case 9.2.3.1.25	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1217	-	Rel-9	F	RP-110163	R5-110741	GCF Priority 3 - Correction to EMM test case 9.2.1.1.16	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1218	-	Rel-9	F	RP-110163	R5-110742	GCF Priority 3 - Correction to EMM test cases 9.3.2.2 and 9.3.2.2a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1219	-	Rel-9	F	RP-110163	R5-110751	GCF Priority 3 - Correction to EMM test case 9.3.1.15	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1220	-	Rel-9	F	RP-110163	R5-110752	GCF Priority 3 - Correction to EMM test case 9.3.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1221	-	Rel-9	F	RP-110163	R5-110753	Correction to TC 9.2.1.1.25	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1222	-	Rel-9	F	RP-110163	R5-110754	GCF Priority 3 - Correction to test case 9.3.1.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1223	-	Rel-9	F	RP-110163	R5-110755	GCF Priority 3- TC 9.2.3.2.1a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1224	-	Rel-9	F	RP-110163	R5-110756	GCF Priority 3-Correction to TC 13.1.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1225	-	Rel-9	F	RP-110163	R5-110758	GCF Priority 3 - Correction to MultiLayer test case 13.3.1.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1226	-	Rel-9	F	RP-110163	R5-110760	GCF Priority 3 - Correction to Multilayer test case 13.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1227	-	Rel-9	F	RP-110163	R5-110764	GCF Priority 4 - Addition of E-UTRAN test case 6.1.1.3 for Cell reselection of ePLMN in manual mode	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1228	-	Rel-9	F	RP-110163	R5-110765	GCF Priority 4 - Addition of E-UTRAN test case 6.1.2.1 for Cell selection in forbidden Tracking Area	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1229	-	Rel-9	F	RP-110163	R5-110767	GCF Priority 4 - Correction to test case 6.2.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1230	-	Rel-9	F	RP-110163	R5-110768	GCF Priority 4 - Update to test case 6.3.7 and 6.3.8	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1231	-	Rel-9	F	RP-110163	R5-110769	GCF Priority 4 Correction of test case in 8.1.3.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1232	-	Rel-9	F	RP-110163	R5-110770	GCF Priority 4 - Correction to EUTRA RRC test case 8.1.2.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1233	-	Rel-9	F	RP-110163	R5-110771	Correction to TC 9.2.3.2.1c	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1234	-	Rel-9	F	RP-110163	R5-110772	GCF Priority 4 - Correction to EMM test case 9.2.3.2.10	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1235	-	Rel-9	F	RP-110163	R5-110773	GCF Priority 4 - Correction to EMM test case 9.2.3.2.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1236	-	Rel-9	F	RP-110163	R5-110774	GCF Priority 2 - Correction to EMM test case 9.3.1.7a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1237	-	Rel-9	F	RP-110163	R5-110775	GCF Priority 2 - Correction to EMM test case 9.3.1.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1238	-	Rel-9	F	RP-110163	R5-110776	GCF Priority 3 - Correction to EMM test case 9.2.3.1.14	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1239	-	Rel-9	F	RP-110163	R5-110777	GCF Priority 3 - Correction to EMM test case 9.2.3.1.13	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1240	-	Rel-9	F	RP-110163	R5-110778	GCF Priority 4: Correction test case 9.2.1.2.1b, 9.2.1.2.1c and 9.2.3.2.1b to check the signalled MS Radio Access capability	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-1	1241	-	Rel-9	F	RP-110163	R5-110779	GCF Priority 4: Correction to ESM test case 10.9.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1242	-	Rel-9	F	RP-110163	R5-110781	GCF Priority 4: New TC 13.1.9 Call setup from E-UTRA RRC_IDLE - CS fallback to GSM with CCO without NACC - MO call	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1243	-	Rel-9	F	RP-110163	R5-110783	GCF Priority 2 - Correction to TCs 9.2.1.2.1 and 13.1.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1244	-	Rel-9	F	RP-110163	R5-110790	Priority X Addition new test case 6.2.3.32	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1245	-	Rel-9	F	RP-110163	R5-110791	Correction to TC 6.3.7	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1246	-	Rel-9	F	RP-110163	R5-110792	GCF Priority 1 - Update to EUTRA RLC test cases 7.2.3.6, 7.2.3.7, 7.2.3.8 and 7.2.3.17	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1247	-	Rel-9	F	RP-110163	R5-110793	GCF Priority 2 - Correction to EMM test case 9.2.2.2.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1248	-	Rel-9	F	RP-110163	R5-110794	GCF Priority 2 - Update of EMM test case 9.2.3.3.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1249	-	Rel-9	F	RP-110163	R5-110796	GCF Priority X: Adding test case 9.2.1.2.1d Combined attach procedure / Success / EPS and CS Fallback not preferred/data centric UE	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1250	-	Rel-9	F	RP-110163	R5-110797	GCF Priority X - Update to test case 13.1.15	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1251	-	Rel-9	F	RP-110163	R5-110798	Update to chapter '4.3 Repetition of tests' to clarify re-testing in test cases, where HARQ retransmissions are not tolerated	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1252	-	Rel-9	F	RP-110174	R5-110813	Introduction of new test case 11.2.1 for CT1 aspects of emergency calls	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-1	1253	-	Rel-9	F	RP-110163	R5-110877	Priority 2 -4: Adjusting the power levels of multiple cell, multiple RAT EMM test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1254	-	Rel-9	F	RP-110163	R5-110830	GCF Priority 2 - Correction to SMS test cases 11.1.1, 11.1.2, 11.1.3, 11.1.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1255	-	Rel-9	F	RP-110163	R5-110876	GCF Priority 2 - Correction to E-UTRA RLC test case 7.2.3.16	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1256	-	Rel-9	F	RP-110162	R5-110062	GCF Priority 2 - Correction to EUTRA IDLE MODE test case 6.1.2.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1257	-	Rel-9	F	RP-110162	R5-110072	GCF Priority 3 - Correction to MultiLayer test case 13.4.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1258	-	Rel-9	F	RP-110162	R5-110077	GCF Priority 3 - Correction to EMM test case 9.1.2.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1259	-	Rel-9	F	RP-110162	R5-110078	GCF Priority 3 - Correction to ESM test case 10.8.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1260	-	Rel-9	F	RP-110162	R5-110081	GCF Priority 3 - Correction to EUTRA RRC test case 8.1.2.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1261	-	Rel-9	F	RP-110162	R5-110083	GCF Priority 1 - Correction to EUTRA MAC test case 7.1.3.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1262	-	Rel-9	F	RP-110162	R5-110085	GCF Priority 3 - Correction to EMM test case 9.2.2.1.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1263	-	Rel-9	F	RP-110162	R5-110086	GCF Priority 3 - Correction to EMM test case 9.2.1.1.24	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1264	-	Rel-9	F	RP-110162	R5-110087	GCF Priority 3 - Correction to EUTRA RRC test case 8.3.1.11	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-1	1265	-	Rel-9	F	RP-110162	R5-110091	GCF Priority 3 - Correction to MultiLayer test case 13.3.1.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1266	-	Rel-9	F	RP-110162	R5-110097	CGF Priority 4 - Correction to EUTRA DRB test case 12.3.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1267	-	Rel-9	F	RP-110162	R5-110122	GCF Priority 4 - Correction of cell number description for test case 6.1.1.6	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1268	-	Rel-9	F	RP-110162	R5-110133	GCF priority 2-4: correction of EMM, RRC, Idle mode TC postamble in connected mode	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-1	1269	-	Rel-9	F	RP-110363	R5-110814	Addition of new idle mode test case for manual CSG ID selection accross PLMNs	9.3.0	9.4.0	R5	EHNb-LTE_UEConTest
36.523-1	1270	-	Rel-9	F	RP-110363	R5-110815	Addition of new idle mode test case for inter-freq cell reselection to hybrid cell based on CSG autonomous search	9.3.0	9.4.0	R5	EHNb-LTE_UEConTest
36.523-2	0156	-	Rel-9	F	RP-110164	R5-110236	Correction to applicability of tests conditions for RRC part 3 TCs	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0157	-	Rel-9	F	RP-110164	R5-110238	Correction to applicability of tests conditions for inter-RAT TCs	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0158	-	Rel-9	F	RP-110164	R5-110314	GCF Priority 4 - Correction to 8.2.4.10 test applicability	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0159	-	Rel-9	F	RP-110164	R5-110315	GCF Priority 3 - Correction to applicability condition for test case 13.1.4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0160	-	Rel-9	F	RP-110174	R5-110343	Addition of applicability for new test case on Service request for mobile originating 1xCS fallback emergency call	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-2	0161	-	Rel-9	F	RP-110174	R5-110344	Addition of applicability for new test case on emergency call in non-allowed CSG cell	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-2	0162	-	Rel-9	F	RP-110174	R5-110409	Applicability condition for new test case 11.2.1 for CT1 aspects of emergency calls	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-2	0163	-	Rel-9	F	RP-110164	R5-110461	Correct condition for emergency	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0164	-	Rel-9	F	RP-110164	R5-110474	Addition of applicability for new test case 6.3.2	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0165	-	Rel-9	F	RP-110164	R5-110476	GCF Priority 4: Applicability for New TC 13.1.9	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0166	-	Rel-9	F	RP-110174	R5-110480	Applicability for New IMS Emergency TCs	9.3.0	9.4.0	R5	IMS_EMER_GPRS_EPS_UEConTest
36.523-2	0167	-	Rel-9	F	RP-110164	R5-110537	Adding new operating bands 42 and 43 (3500MHz)	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0168	-	Rel-9	F	RP-110164	R5-110568	Corrections of idle mode test case titles in applicability table	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0169	-	Rel-9	F	RP-110164	R5-110592	GCF Priority X: Adding applicability for test case 9.2.1.2.1d Combined attach procedure / Success / EPS and CS Fallback not preferred/data centric UE	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0170	-	Rel-9	F	RP-110164	R5-110598	GCF Priority 3 - Correction to applicability of EMM test case 9.1.5.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0171	-	Rel-9	F	RP-110164	R5-110720	GCF Priority 1 - Addition of applicability for multiple PDN	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0172	-	Rel-9	F	RP-110164	R5-110761	GCF Priority 3 - Correction to selection expression for SPS scheduling and TTI bundling test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0173	-	Rel-9	F	RP-110164	R5-110762	GCF Priority 3 - Addition of applicability statement for new test case 6.2.2.x	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0174	-	Rel-9	F	RP-110164	R5-110763	GCF Priority 3-add part2 for TC 9.2.3.2.1a	9.3.0	9.4.0	R5	LTE-UEConTest_SIG

36.523-2	0175	-	Rel-9	F	RP-110164	R5-110780	Add Applicability for new Multilayer Procedures test case 13.4.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0176	-	Rel-9	F	RP-110164	R5-110782	GCF Priority 4 - Addition of test case selection expression for test case 6.1.2.1	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0177	-	Rel-9	F	RP-110164	R5-110799	Update of applicability for test case 8.1.2.10	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0178	-	Rel-9	F	RP-110164	R5-110800	GCF Priority X: Addition of applicability for SIG TC 7.1.8.1: Periodic RI reporting using PUCCH / Category 1 UE / Transmission mode 3/4	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0179	-	Rel-9	F	RP-110164	R5-110801	Clarification to applicability of measurements requirements for Inter-RAT	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0180	-	Rel-9	F	RP-110164	R5-110188	GCF Priority 4 - Addition of test case selection expression for test case 6.1.1.3	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0181	-	Rel-9	F	RP-110164	R5-110196	GCF Priority 3 - Correction to EMM test case 9.3.1.15	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0182	-	Rel-9	F	RP-110164	R5-110213	GCF Priority 2 Correction of applicability statement for Non-supported FGI 16 test cases	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0183	-	Rel-9	F	RP-110164	R5-110214	Addition of applicability statement for E-UTRAN test case 6.2.3.32 for Inter-RAT cell reselection / From E-UTRA RRC_IDLE to UTRA_Idle, Snonintrasearch	9.3.0	9.4.0	R5	LTE-UEConTest_SIG
36.523-2	0184	-	Rel-9	F	RP-110363	R5-110339	Addition of applicability for new idle mode test case on manual CSG ID selection accross PLMNs	9.3.1	9.4.0	R5	EHNb-LTE_UEConTest
36.523-2	0185	-	Rel-9	F	RP-110363	R5-110340	Addition of applicability for new idle mode test case on inter-freq cell reselection to hybrid cell based on CSG autonomous search	9.3.1	9.4.0	R5	EHNb-LTE_UEConTest
36.523-3	0435	-	Rel-8	F	RP-110164	R5-110803	Routine maintenance of LTE test model and postambles	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0436	-	Rel-8	F	RP-110170	-	CR to 36.523-3: Add new verified and e-mail agreed TTCN test cases in the TC lists in 36.523-3 (prose), Annex A	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0437	-	Rel-8	B	RP-110171	R5s100856	Addition of GCF WI-82 EMM test case 9.2.3.1.23	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0438	-	Rel-8	F	RP-110171	R5s110006	Correction to GCF WI 82 EMM test case 9.1.2.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0439	-	Rel-8	F	RP-110171	R5s110005	Correction to GCF WI 81 EUTRA RRC test case 8.3.1.7	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0440	-	Rel-8	F	RP-110171	R5s110002	Correction to GCF WI 82 ESM test case 10.8.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0441	-	Rel-8	B	RP-110171	R5s110003	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0442	-	Rel-8	F	RP-110171	R5s110001	Correction to GCF WI 81 EUTRA RRC test case 8.1.2.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0443	-	Rel-8	B	RP-110171	R5s100881	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.3.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0444	-	Rel-8	B	RP-110171	R5s100877	Addition of GCF WI 82 EMM test case 9.2.2.1.8	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0445	-	Rel-8	F	RP-110171	R5s100876	Correction to GCF WI 82 EMM test case 9.2.3.1.14	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0446	-	Rel-8	B	RP-110171	R5s100869	LTE_TDD: Addition of GCF WI 92 Multilayer test case 13.4.1.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0447	-	Rel-8	B	RP-110171	R5s100867	LTE_TDD: Addition of GCF WI 92 Multilayer test case 13.3.1.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG

36.523-3	0448	-	Rel-8	B	RP-110171	R5s100865	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.2.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0449	-	Rel-8	B	RP-110171	R5s100863	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.4.12	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0450	-	Rel-8	F	RP-110171	R5s100860	Correction to GCF WI 82 EMM test cases 9.2.1.1.21 and 9.2.1.1.22	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0451	-	Rel-8	B	RP-110171	R5s100858	Addition of GCF WI-82 EMM test case 9.2.3.1.19	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0452	-	Rel-8	B	RP-110171	R5s100854	Addition of GCF WI 82 Multilayer test case 13.4.1.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0453	-	Rel-8	B	RP-110171	R5s100852	Addition of GCF WI 81 EUTRA MAC test case 7.1.3.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0454	-	Rel-8	B	RP-110171	R5s100835	LTE_TDD: Addition of GCF WI 91 EUTRA Idle Mode test case 6.1.1.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0455	-	Rel-8	F	RP-110171	R5s100773	Correction to GCF WI 82 EPC SMS test cases 11.1.1, 11.1.2, 11.1.3, 11.1.4	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0456	-	Rel-8	F	RP-110171	R5s100772	Correction to GCF WI 81 EUTRA MAC test case 7.1.4.12	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0457	-	Rel-8	B	RP-110171	R5s100829	LTE_TDD: Addition of GCF WI 91 EUTRA Idle Mode test case 6.1.2.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0458	-	Rel-8	B	RP-110171	R5s100827	Addition of GCF WI 81 EUTRA RRC test case 8.1.2.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0459	-	Rel-8	B	RP-110171	R5s100839	LTE_TDD: Addition of GCF WI 91 EUTRA DRB test case 12.2.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0460	-	Rel-8	B	RP-110171	R5s100837	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.4.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0461	-	Rel-8	B	RP-110171	R5s100833	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.3.5	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0462	-	Rel-8	B	RP-110171	R5s100831	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.1.3.4	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0463	-	Rel-8	B	RP-110171	R5s100825	LTE_TDD: Addition of GCF WI 91 EUTRA Idle mode test case 6.1.2.7	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0464	-	Rel-8	B	RP-110171	R5s100821	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.2.4	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0465	-	Rel-8	B	RP-110171	R5s100819	Addition of GCF WI-082 EMM test case 9.2.3.1.27	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0466	-	Rel-8	B	RP-110171	R5s100817	Addition of GCF WI 82 EMM test case 9.2.3.1.28	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0467	-	Rel-8	F	RP-110171	R5s100813	Correction to GCF WI 82 EMM test case 9.2.2.2.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0468	-	Rel-8	F	RP-110171	R5s100812	Correction to GCF WI 82 EMM test case 9.2.1.2.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0469	-	Rel-8	F	RP-110171	R5s100801	Correction to GCF WI-081 PDCP / RRC intra-LTE intercell HO test cases	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0470	-	Rel-8	B	RP-110171	R5s100751	Addition of GCF WI-081 EUTRA RRC InterRAT test case 8.3.2.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0471	-	Rel-8	B	RP-110171	R5s110009	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.5.1.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0472	-	Rel-8	F	RP-110171	R5s110008	Regression CR for iwd-EUTRA-B2009-12_D10wk49 ATS	8.5.0	8.6.0	R5	LTE-UEConTest_SIG

36.523-3	0473	-	Rel-8	B	RP-110171	R5s100871	Addition of GCF WI 81 EUTRA RRC test case 8.1.3.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0474	-	Rel-8	B	RP-110171	R5s100873	Addition of GCF WI 81 EUTRA Idlemode test case 6.2.3.5	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0475	-	Rel-8	F	RP-110171	R5s110007	Correction to EMM test cases	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0476	-	Rel-8	B	RP-110171	R5s100883	Addition of GCF WI 82 EMM test case 9.2.2.1.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0477	-	Rel-8	B	RP-110171	R5s100879	Addition of GCF WI 81 EUTRA test case 8.3.1.11	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0478	-	Rel-8	B	RP-110171	R5s100850	Addition of GCF WI 81 RRC test case 8.3.3.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0479	-	Rel-8	F	RP-110171	R5s110016	Correction of RV values used in Dci1C scheduling for SI (BCCH)	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0480	-	Rel-8	B	RP-110171	R5s110014	Addition of GCF WI-081 EUTRA Idle Mode test case 6.2.2.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0481	-	Rel-8	F	RP-110171	R5s110013	Correction to GCF WI-081 EUTRA MAC test cases 7.1.7.x	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0482	-	Rel-8	F	RP-110171	R5s110012	Correction to GCF WI-081 MAC test case 7.2.3.10	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0483	-	Rel-8	F	RP-110171	R5s110011	Correction to GCF WI-082 ESM test cases 10.4.1 and 10.5.1 ^^((IP address assignment for second PDN)	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0484	-	Rel-8	B	RP-110171	R5s100848	Addition of GCF WI 81 LTE-C2K test case 8.3.2.7	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0485	-	Rel-8	B	RP-110171	R5s100780	Addition of GCF WI 82 EMM test case 9.2.2.2.14	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0486	-	Rel-8	F	RP-110171	R5s110034	Correction to use of DCI combination 1 (5 MHz) with 9 PRBs	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0487	-	Rel-8	F	RP-110171	R5s110033	Correction to GCF WI 81 EUTRA PDCP test case 7.3.5.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0488	-	Rel-8	F	RP-110171	R5s110030	Correction to GCF WI 81 EUTRA RLC test case 7.2.3.21	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0489	-	Rel-8	B	RP-110171	R5s110028	Addition of GCF WI 82 EMM test case 9.2.3.1.25	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0490	-	Rel-8	B	RP-110171	R5s110024	Addition of GCF WI 82 EMM test case 9.2.3.1.16	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0491	-	Rel-8	B	RP-110171	R5s110026	Addition of GCF WI 82 EMM test case 9.2.1.1.24	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0492	-	Rel-8	F	RP-110171	R5s110019	Regression CR for LTE WK49 ATS	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0493	-	Rel-8	B	RP-110171	R5s110020	Addition of GCF WI 81 EUTRA test case 8.3.1.4	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0494	-	Rel-8	B	RP-110171	R5s110042	Addition of GCF WI 81 EUTRA IDLE MODE test case 6.1.2.13	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0495	-	Rel-8	B	RP-110171	R5s110040	Addition of GCF WI 82 EMM test case 9.3.2.2a	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0496	-	Rel-8	B	RP-110171	R5s110038	Addition of GCF WI 82 EMM test case 9.3.2.2	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0497	-	Rel-8	F	RP-110171	R5s110037	Correction to GCF WI 81 EUTRA RRC test case 8.3.2.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG

36.523-3	0498	-	Rel-8	F	RP-110171	R5s110036	Correction to GCF WI 81 EUTRA MAC test case 7.1.4.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0499	-	Rel-8	F	RP-110171	R5s110035	Correction of NAS type definition in TS 36.523-3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0500	-	Rel-8	F	RP-110171	R5s110046	Correction of TTCN for EMM inter-RAT / inter-frequency test cases	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0501	-	Rel-8	B	RP-110171	R5s110031	Addition of GCF WI 81 EUTRA Idle Mode test case 6.2.3.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0502	-	Rel-8	F	RP-110171	R5s100803	Regression CR for LTE WK42 ATS	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0503	-	Rel-8	F	RP-110171	R5s110057	Correction to GCF WI-081 MAC test case 7.1.2.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0504	-	Rel-8	F	RP-110171	R5s110051	Correction to GCF WI-082 E-UTRA test case 13.3.1.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0505	-	Rel-8	F	RP-110171	R5s100799	Correction of GCF WI 82 ESM test case 10.4.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0506	-	Rel-8	B	RP-110171	R5s100795	Addition of GCF P3 E-UTRA EMM test case 9.2.3.1.9a	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0507	-	Rel-8	B	RP-110171	R5s100793	Addition of GCF P3 E-UTRA EMM test case 9.2.2.1.7	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0508	-	Rel-8	F	RP-110171	R5s100792	Correction to EMM test cases 9.2.1.1.14, 9.2.3.1.2 and 10.4.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0509	-	Rel-8	B	RP-110171	R5s100789	Addition of GCF P3 E-UTRA EMM test case 9.1.2.6	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0510	-	Rel-8	B	RP-110171	R5s100782	LTE_TDD: Addition of GCF WI 91 EUTRA RRC test case 8.2.1.7	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0511	-	Rel-8	B	RP-110171	R5s100778	LTE_TDD: Addition of GCF WI 91 EUTRA PDCP test case 7.3.5.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0512	-	Rel-8	B	RP-110171	R5s100776	LTE_TDD: Addition of GCF WI 91 EUTRA MAC test case 7.1.4.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0513	-	Rel-8	B	RP-110171	R5s100774	LTE_TDD: Addition of GCF WI 91 EUTRA Idle mode test case 6.1.2.15	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0514	-	Rel-8	B	RP-110171	R5s100815	Addition of GCF P3 E-UTRA EMM test case 9.2.1.1.26	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0515	-	Rel-8	B	RP-110171	R5s100811	Addition of GCF P3 E-UTRA EMM test case 9.2.1.1.25	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0516	-	Rel-8	F	RP-110171	R5s100802	Correction to GCF WI-081 EUTRA PDCP test case 7.3.1.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0517	-	Rel-8	F	RP-110171	R5s100800	Correction to GCF WI-082 ESM test case 10.4.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0518	-	Rel-8	F	RP-110171	R5s110055	Correction to GCF WI-082 E-UTRA ESM test case 10.4.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0519	-	Rel-8	F	RP-110171	R5s110054	Correction to GCF WI-082 E-UTRA ESM test cases 10.8.1 and 10.8.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0520	-	Rel-8	F	RP-110171	R5s110052	Correction to GCF WI-082 E-UTRA test case 9.2.3.1.8	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0521	-	Rel-8	F	RP-110171	R5s110061	Correction to GCF WI 81 EUTRA Idle Mode test case 6.2.3.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0522	-	Rel-8	F	RP-110171	R5s110062	Correction to GCF WI 81 EUTRA Idle Mode test case 6.2.3.5	8.5.0	8.6.0	R5	LTE-UEConTest_SIG

36.523-3	0523	-	Rel-8	F	RP-110171	R5s110060	Correction to GCF WI-081 E-UTRA MAC Testcase 7.1.2.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0524	-	Rel-8	F	RP-110171	R5s110077	Correction to GCF WI-081 MAC test case 7.1.4.4	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0525	-	Rel-8	F	RP-110171	R5s110064	Correction to GCF WI 82 SMS test cases	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0526	-	Rel-8	B	RP-110171	R5s110075	Addition of GCF WI 82 EMM test case 9.2.2.1.3	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0527	-	Rel-8	B	RP-110171	R5s110073	Addition of GCF WI 81 RRC test case 8.2.4.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0528	-	Rel-8	F	RP-110171	R5s110070	Correction to GCF WI 82 EMM test case 9.2.1.1.24	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0529	-	Rel-8	B	RP-110171	R5s110068	Addition of GCF WI 82 EMM test case 9.2.3.1.26	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0530	-	Rel-8	F	RP-110171	R5s110085	Correction to GCF WI-081 E-UTRA MAC Testcase 7.1.4.13	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0531	-	Rel-8	F	RP-110171	R5s110084	Correction to GCF WI-082 E-UTRA EMM Testcase 9.2.2.1.9	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0532	-	Rel-8	F	RP-110171	R5s110086	Correction to GCF WI 82 ESM test case 10.4.1	8.5.0	8.6.0	R5	LTE-UEConTest_SIG
36.523-3	0533	-	Rel-8	F	RP-110171	R5s110078	Correction to GCF WI-082 NAS common module	8.5.0	8.6.0	R5	LTE-UEConTest_SIG

Annex F:

Summary of RAN work items (WI) and study items (SI)

An overview of recent RAN work items and study items (including the new WIs & SIs approved at this meeting) is attached to this report.

This overview is used as input for the 3GPP workplan which lists all 3GPP work and study items.

Annex G:

Actions decided by RAN #51

- To TSG-SA

- SA is asked to decide if Relay Node is included in Rel-10 on day 1 of SA#51 to keep enough preparation time for LTE-Advanced materials before the deadline of the contribution to ITU-R WP5D#10 meeting
- A CR for 21.905 developed by MCC and endorsed at RAN#51 is provided in SP-110091 to SA for approval
- The updated TR21.905 and the cover page to submit to ITU-R WP5D is provided in SP-110205 to SA for approval
- Response to a LS from WP5A, “LS on Wide area sensor and/or actuator network (WASN) systems,” is provided to SA in SP-110206 for approval
- Response to a LS from WP5A “LS on Quality of service requirements and objectives for wireless access systems” is provided to SA in SP-110207 for approval
- Response to ITU-R WP5A on the Working Document towards a Preliminary Draft New Report ITU-R M.[LMS.PPDR.UHF TECH] is provided to SA in SP-110208 for approval

- To MCC

- TSG-RAN kindly asks MCC to implement the CR for TR 21.905 as soon as the CR approved at SA#51 so that the updated TR 21.905 can be submitted to PCG for approval and then to ITU-R WP5D before the deadline of contributions to WP5D#10 meeting, 30th March