3GPP TSG SA Meeting #28 **SP-050374**
Quebec, Canada, 6 - 7 June 2005

Title:	**Draft Report of the 28th 3GPP TSG RAN meeting (Quebec, Canada, 1 – 3 June 2005)**
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Executive summary

TSG RAN meeting #28 took place in Quebec, Canada. The meeting started at 8:00 on Wednesday 1st June 2005 and finished on Friday 3rd at 14:30. 107 participants were registered and 222 documents were submitted.

The relation of WG1 and WG4 was debated, in particular on the subject of the definition of new measurements. An off line discussion between the chairmen and other interested parties concluded that past misunderstandings can be avoided with a better coordination of the chairmen during the co-located meetings. Additionally, the Terms of Reference of WG4 presented 3 months were reviewed, deemed satisfactory and formally approved (sec. 9)

Change Requests

The approved Change Requests (CRs) to TSG RAN specifications are summarized in the following table:

Release	WG1	WG2	WG3	WG4	WG5	Total
Release 99				2		2
Rel-4 CRs (Rel-4 excluding Cat A)	2 (2)			1		3 (2)
Rel-5 CRs (Rel-5 excluding Cat A)	26 (24)	38 (38)	41 (41)	20 (19)	221	347 (343)
Rel-6 CRs (Rel-6 excluding Cat A)	56 (53)	106 (94)	110 (105)	37 (33)	30	339 (315)
Rel-7 CRs (Rel-7 excluding Cat A)		1 (1)	2 (2)	10 (10)		13 (13)
Total CRs (Total excluding Cat A)	84 (79)	145 (133)	154 (148)	70 (64)	251 (251)	704 (675)

Liaison with other groups

A LS was received from ECC PT1 (RP-050289) informing that it is studying proposals to pair the 1900-1920 MHz and 2010 – 2025 MHz bands with the 2.6 GHz band centergap (2010 – 2025 MHz) for FDD, and asking 3GPP for its view and comments. A WI based on these frequency arrangements was proposed (RP-050353), but rejected on the basis that 3GPP has specified TDD on those bands following the allocation from ITU-R for IMT-2000. It must be noted that ECC has not formally requested 3GPP to produce the specifications, only asked for advice (sec. 6.1).

CT WG1 sent a liaison asking for advice on the feasibility of Interoperability Testing of IMS features in RAN WG5 (RP-040294). Some companies opposed the idea of having IOT in 3GPP, and noted that RAN WG5 expertise is on conformance testing. TSG RAN didn't agree a position on this, and since it involves other TSGs, the issue will be discussed in TSG SA.

Reports of WGs on R99, Rel-4, Rel-5 and closed Rel-6 Work Items

A proposal to make possible the early implementation of the DSAC and Network Sharing Rel-6 features in Release 5 had been presented in RAN WG2. This WG assessed that there are no technical hurdles for doing so, but there were views against the procedure. In the case of DSAC, the rationale for request is a recommendation from Japanese authorities to be able to apply access class barring to a specific domain (CS or PS). TSG RAN didn't conclude on this, since it involves also TSG CT, the decision will be adopted in TSG SA (RP-050175, RP-050335)

There was a long debate on a CR agreed by RAN WG2 for the SIR target setting for downlink power control (sec. 7.3.5). It was objected that the solution agreed focus one particular case, and it can actually have a negative impact on different services. The solution however was favoured by the majority of companies, noting that the benefits of other methods have not been proved and the CR is supported by most manufacturers. The CR was finally approved.

RAN WG4 had not been able to agree on a size for the Maximum Active Set for EDCH, there were proposals for sizes of 3 to 6 links ((RP-050179). A vote on this may be necessary at next TSG RAN, given the dead-end in the WG. A paper was presented with a trade off, but it involved an undesirable impact on R99 services (RP-050348). It will however be input to next WG4 as support for the discussion.

For the first time, RAN WG5 reported to this TSG (RP-050361). The report of the MCC Task Force 160, developing UE conformance test cases for protocol and signalling in TTCN, was approved (RP-050261). The Terms of Reference of the task force were approved also (RP-050263).
The following new TS from RAN WG5 was approved:

- TS 34.171 "Terminal conformance specification; Assisted Global Positioning System (A-GPS); FDD; Release 6"

In line with the request from last TSG RAN, RAN WGs had produced and agreed the CRs for the feature removal activity (sec. 7.7). 9 features were proposed for clean up in Rel-5 onwards, in addition to TGPL2 which had been removed 3 months ago. All the CRs were approved without objections.
There was some debate on how should RAN WG5 implement the feature clean up, given that the group keeps the tests for all Releases in a single document (RP-050361). The choice is either to remove the tests for these features, and any reference to them as a parameter to other tests, or to leave the test with a mention so as they are only applicable for R99 and Rel-4. The second option was preferred, but noting that some of these features may not even have associated tests.

Release 6 open items and beyond

See Annex D for the summary of Work Items under TSG RAN responsibility.

The WI **Improved minimum performance requirements for HSDPA UE categories 7 & 8** is 90% completed, it was agreed to close it. A CR is approved introducing most of the new requirements (sec. 8.1.1)

The WI **UMTS 2600** is completed, the CRs from RAN WG3 and WG4 for the introduction of the new band were approved. The missing CR to 25.331 will be presented at next meeting (sec. 8.1.2)
The following TR was approved:

- TR 25.810 "UMTS 2.6 GHz (FDD) Work Item Technical Report; (Release 6)"

The WI **RAB support enhancement**, covering the support for voice over IMS, is completed. The CRs were approved, and the TR below was also presented and approved:

- TR25.862 "RAB support for IMS; Release 6"

New scenarios for the **MBMS performance requirements** WI have been presented in RAN WG4, at a risk of delaying the overall completion. It was asked that the completion of the current work is prioritized, but according to the proponents the new scenarios are a must for a reliable MBMS

service. RAN WG4 will have to confirm such criticality and, if needed, propose a new date of completion (RP-050191).

It was agreed to re-start the work on **MIMO**. There was agreement that the feature will be part of the Long Term Evolution, but the gains for Rel-7 WCDMA were objected. As a way forward, a period of 6 months is allowed for companies to show the benefits of MIMO in Rel-7 (RP-050334).

The WI Description Sheet of CS and PS call setup delay improvement was revised, and among other modifications, the title was changed to **Delay optimisation for procedures applicable to CS and PS Connections** (sec. 8.13.2)

The following Work and Study Items were approved:
- LCS Enhancements Related to Location-Based Services (RP-050300)
- UMTS 1700 (RP-050385)
- Improved Performance Requirements for HSDPA UE based on Rx Diversity (type 1) & LMMSE equalizer (type 2) (RP-050362)
- Study on UTRA Tower Mounted Amplifier (FDD) (RP-050200)
- Study on the Continuous connectivity for packet data users (RP-050391)

The following Testing Work Items were approved:
- Conformance Test Aspects – FDD Enhanced Uplink (RP-050285)
- Conformance Test Aspects – IMS Call Control (RP-050286)

Long Term Evolution

A Joint WGs meeting took place the 30-31 May, same venue as TSG RAN #28 (Sec. 8.13.1). The joint meeting completed the majority of work on the requirements for the LTE, which are recollected in the TR below approved by TSG RAN:
- TR 25.913 v2.1.0 Requirements for Evolved UTRA and UTRAN; Release 7

A number of Ad Hoc meetings are organized for the next 3 months, to advance in the physical aspects (WG1), radio interface protocol architecture (WG2) and architecture (WG3 & SA WG2) (RP-050353)

1 Opening of the Meeting

The chairman of TSG RAN, Francois Courau, opened the meeting at 8:00 on Wednesday 1st September. He gave the floor to Don Zelmer, Cingular, who explained the meeting and social event arrangements and welcomed the participants to Quebec on behalf of the North American Friends of 3GPP.

2 Approval of the Agenda

RP-050170 Draft agenda TSG RAN #28 (Chairman)
The agenda was approved without comments

3 Approval of the meeting report on TSG-RAN #27

RP-050171 Revised draft report TSG RAN #27 (3GPP Support)
RP-050172 Revised draft report new TSG RAN extra-ordinary meeting (3GPP Support)
The reports were approved without comments.
Hidetoshi Suzuki (Panasonic) and Sami Kekki (Nokia) are missing from the participants list.

4 Reminder for IPR declaration

The chairman made the following call for IPRs:

> The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.
>
> The delegates were asked to take note that they were 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 Chairman Report of meetings

5.1 TSG SA#27

The chairman informed that he had reported RAN activity in last TSG SA. He reported that the conclusion of TSG SA on the SRNS relocation issue is that RAN WG2 will have to change its specification and align with CN WG1 and SA WG3.

He reported as well that the PCG had recently granted him authorisation to hold a joint meeting with 3GPP2 on the topic of Long Term Evolution. This meeting will take place in Korea, in the vicinity of the dates of the WG meetings in November.

5.2 New Terms of reference for RAN WG1 and WG4

There are no documents under this agenda item. Howard Benn (WG4 chairman) informed that there is an issue of conflict between WG1 and WG4, as he highlights in his meeting report (section 7.5)

6 Liaisons from other groups

6.1 Groups outside 3GPP

RP-050287 Response to 3GPP2 correspondence regarding LSs on Systems Beyond IMT2000 (ITU-T SG19)

ITU-T informs of its re-organization. The LS is noted, it is not related to TGS RAN activities.

RP-050288 Liaison on eCall requirements (ETSI MSG)

MSG informs of the work on eCall. The eCall service for vehicles will trigger an emergency call in case of a collision, and then will send data (positioning information and others) in parallel to the voice call to the PSAP. The LS is for TSG SA, that is asked to take the high level service requirements included and to organize the work in 3GPP to find the technical solution.
No comments, the LS is noted

RP-050289 Status of ECC PT1 ongoing discussion on the revision of the Decision (99)25 including new FDD pairing possibilities with the optional FDD downlink in the centergap of the 2.6 GHz band (ECC PT1)

ECC has started looking at new pairing solutions for the centergap of the 2.6 GHz band and asks 3GPP for views and comments. A WI proposal linked to this subject is presented in RP-050353.

RP-050298 Comments on RP-050289 (RITT, CMCC , CATT at al)

This document highlights that the ITU has globally assigned the affected bands for TDD, and more than 100 operators have licences for that technology in those bands. On that basis, 3GPP should not work on producing specifications for the use of the band for FDD.

Han van Bussel (TMobile) noted that the WI proposal is a technical proposal, but the arguments raised and discussed here are not technical. He reminded that the policy of 3GPP so far has been to fulfil the requests of the regional regulatory bodies, and the WI proposal is simply answering this request. Giovanni Romano (TIM) clarified that the licence conditions, at least in Italy, do no specify that TDD or FDD should be used in the given band.
The chairman further clarified that ECC proposes recommendations, but the actual allocation of the bands take place at a national level.
The discussion on this issue is delayed to agenda item 8.14

RP-050290 900 MHz UMTS and GSM Sharing study results (ECC PT1)

ECC informs RAN WG4 of the ongoing work in ECC on the studies for sharing and co-existence of UMTS with other technologies in the 900 band. This LS has already been presented in WG4, the group doing the work.

6.2 TSG SA, TSG T, TSG CN, TSG GERAN

RP-050291 LS on Long Term Evolution for the UTRA and UTRAN (TSG SA WG1)
This LS was presented in the Long Term Evolution meeting. It is agreed that RAN WG1 will provide SA WG1 figures of the simulations being carried out, in principle by next September. A Reply LS is drafted in RP-050370 to inform SA WG1 and others of the work in LTE so far.

RP-050292 Reply LS on tracing information for MBMS services (TSG SA WG5 SD)
The LS is noted, RAN WG3 is tasked to look at the necessary additions to its specifications to cope with the requirements for MBMS tracing.

RP-050293 Reply LS on Support of DSAC and Network sharing in Rel-5 UEs as optional features (CT WG1)
CT WG1 has discussed the feasibility of the early implementation of DSAC and Network Sharing, Rel-6 features, in Rel-5 UEs. CT WG1 didn't find technical obstacles for such proposal, but didn't agree on the principle or on how to document it on the specification. TSG SA is asked to solve these questions, and WG2 to investigate the impact on the UTRAN.
The LS has been handled already in RAN WG2, the issue is reported in WG2 chairman's report and there is a contribution from NTT DoCoMo on the topic as well.

RP-050294 Reply LS on IOT test for the feature 'Combinational Services' (CT WG1)
CT WG1 informs that it is about to start Stage 3 work for combinational services, and it has been discussed there whether to produce in 3GPP interoperability testing for that feature. The LS asks if in RAN's view such test is necessary and if so, where it should take place.

RP-050360 Discussion Paper on Interoperability testing in CT (response to LS from CT1 in RP-05029) (RIM)
Gordon Young (RIM) presented this document.
RIM opposes having the Combinational Services feature tested via interoperability, and proposes that 3GPP creates conformance test suites instead. The work should not take place in CT WG1, where there is no expertise in testing. RIM suggests RAN WG5 or, if this group cannot take the load, a new CT group.
There was a short discussion on where an eventual IOT activity would take place. Per Beming (Ericsson) explained that the interoperability tests should not be mixed with the conformance testing in RAN WG5. RAN WG5 will continue to take care of the tests of CT functionalities like call control, but for the new features IOT is a better way to go. In any case, the new IOT activity should not take place in RAN WG5 and should not cover all the features and functions of CT, only those reported in the LS.

Siemens clearly expressed preference for not having such activity in 3GPP, but if this is agreed, it shouldn't be in RAN WG5. RAN WG5 can be tasked with the conformance testing for this feature, but no more.

Having this IOT in 3GPP is a discussion to be hold at a higher level than TSG RAN or CT. Howard Benn (Motorola) remarked there are a number of bodies currently doing IOT, the activity normally

takes the form of testfest, where all the interested companies arrive with their implementations. It involves logistics that 3GPP is not prepared to handle.

The chairman commented that currently this activity is also discussed in other bodies such as ETSI. In any case IOT has two aspects one concerning the application interoperability between server and terminals and the other one equipment interoperability inside the network. The chairman will report this to TSG SA.

6.3 TSG RAN WGs

RP-050295 LS regarding Worksplit on RRM test cases between RAN4 and RAN5 (TSG RAN WG5)

Annex A of 25.133, maintained by WG4, contains the description of tests for RRM. This Annex is re-used by RAN WG5 and copied to 34.121. The proposal is to remove this step, which requires to maintain consistency between the two specifications. RAN WG5 proposes to bring the annex to 34.121 and to remove it from 25.133

RP-050296 Response LS to RAN5 regarding Worksplit on RRM test cases between RAN4 and RAN5 (TSG RAN WG4)

RAN WG4 agrees with the proposal above, but the removal will be applicable to R99 and Rel-4 only.
This principle was endorsed by the meeting.

RP-050297 LS on Typical Limiting interference parameters for terrestrial UMTS systems (TSG RAN WG4, R4-050554)

This LS contains the parameters that ECC SE7 should use in its analysis of the interference produced by GSM on board systems on the ground networks.
The LS is to be forwarded to ETSI MSG and ECC SE7.

7 Status Report and Approval of contributions on Release'99, Release 4 and Release 5

7.1 ITU-R Ad Hoc

RP-050342 ITU-R Ad Hoc Status Report (ITU-R Ad Hoc Contact Person)

Giovanni Romano (Tilab) presented this report
ITU-R ad hoc will have to produce the document during this summer. NTT DoCoMo noted that the WI for UMTS1700 should be included in the update of M.1457. Giovanni noted that this is not a problem, many of the WIs of this update are Rel-7.
This will be incorporated in the draft update that will be reviewed in the next meeting for sending in September to ITU R WP8/F

7.2 TSG RAN WG1

7.2.1 Report from WG1 including report on actions required from the previous meeting

RP-050368 Status Report WG1 (RAN WG1 Convenor)
Dirk Gerstenberger (RAN WG1 Convenor) presented this report
RAN WG1 activity can be summarized as follows:

- Agreed change requests
  - Rel4: 2 CRs (TDD)
  - Rel5: 24 CRs (FDD, including 22 CRs on feature removal)
  - Rel6: 24 CRs (FDD, most for Enhanced UL), 3 CRs (TDD)
- Remaining issues on FDD Enhanced Uplink resolved
  - Compressed mode, gain factors, timing, E-AGCH coding, RRM measurements, ...
- MBMS Rake combining removed
- Feature removal CRs agreed
- Timing maintained HHO and Fast L1 Sync agreed (again)
- RAN1 part of 1.28Mcps Code Optimisation WI ready
- Discussions on LTE multiple access scheme started

Dirk clarified that the LTE work is not interfering with the maintenance or Rel-7 items.
On the macro diversity issues for the LTE, Dirk clarified that WG1 has to study jointly with WG3 and they would be handled in one of the future joint meetings, probably in August. Alex Vesely (RAN WG3 chairman) noted that the group has time in August to discuss this, but it is premature and the work should be more advanced in WG1 before holding a joint meeting with WG3.
Prem Sood (Sharp) argued that diversity is a high priority issue that should be handled as soon as possible. He proposed the Ad Hoc meetings of WG1 and WG2 in June.
As a way forward, RAN WG1 will continue to work on the macro diversity and will inform WG2 and WG3 as soon as possible of the issues that impact the architecture.

RP-050174 List of CRs from RAN WG1 (RAN WG1)
This list is presented for information

7.2.2 Discussions on decisions from WG1

No discussions.

7.2.3 Approval of CRs to Rel'99 with linked CRs to Rel-4, Rel-5 & Rel-6

No CRs for Release 99.

7.2.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

RP-050239 CRs (Rel-4 category F, Rel-5 category A, Rel-6 category A) to TS 25.221 for Correction to transmission of TPC for 1.28 Mcps TDD (RAN WG1)

RP-050240 CRs (Rel-4 category F, Rel-5 category A, Rel-6 category A) to TS 25.221 for Correction to Transmission of SS for 1.28 Mcps TDD (RAN WG1)

No comments, the CRs are approved

7.2.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-050241 CRs (Rel-5 Category F, Rel-6 Category A) to TS25.212 for Correction of HSDPA Bit Separation (RAN WG1)

RP-050242 CRs (Rel-5 category F, Rel-6 category F) to TS 25.214 for HS-DPCCH transmissions on discarding HS-SCCH (RAN WG1)

No comments, the CRs are approved

RP-050373 Rel-5 Cat F & Rel-6 Cat A CRs to 25.214, Correction to computed gain factor quantisation (Nokia)

This CR had been agreed in WG1 time ago and presented to the plenary, but Lucent had requested to be re-studied in WG1. However it seems that companies didn't contribute in WG1 with the necessary technical analysis. Lucent objects that the issue being brought to directly to the plenary without the formal endorsement in WG1. Motorola requested that WG1 looks at it again before approval, and also highlighted that there might be impacts in WG4.
Panasonic noted that the CR is adding relaxation on the setting of the beta factors, and such additional freedom would better fit in the performance specifications in WG4.
The CRs are not approved, RAN WG4 is tasked to examine the impact and the possibility of introducing the change in its specifications.

7.2.6 Approval of linked CRs where the leading one originated from WG1

No documents.

7.3 TSG RAN WG2

7.3.1 Report from WG2 including report on actions required from the previous meeting

RP-050175 Status Report WG2 (RAN WG2 Convenor)

Denis Fauconnier (RAN WG2 Convenor) presented this report.
Activity in WG2 since the last plenary was on the following items:

- Release 99 corrections
  - No more R99 CRs
- Release 4 corrections
  - No CR
- Release 5
  - Few corrections, feature removal
- Release 6
  - MBMS
  - HSUPA

  - IMS
  - ACBOP
  - TEI6
  - WI under other WGs
- Release 7
  - UTDOA

On EDCH, Denis reported that Stage 3 will be completely finished by September. The RRC part is mostly completed, but the MAC, more complex than in HSDPA, is around 80% finished. He informed that the ASN.1 CR has been produced and it is hold in case new parameters are needed.

In order to avoid the LTE work interfering the normal work, the group is having a dedicated LTE meeting in June. There was a long discussion on the groups that should be involved in the first stage of the work for the new RRM, measurement requirements, UE types or classes in LTE. RAN WG2 will look at these issues in June, where companies are invited to present their proposals. Some companies believed that WG4 and WG1 should participate in such meeting.

It was asked if the early implementation of features is a trend (slide 19), and whether it will be used for other features in the future. Denis explained that the request from companies is only for the two features (DSAC and network sharing) presented, but nothing stops other companies to request the same procedure for other features. However, Denis explained that it is clear in WG2 that this should be exceptional, given the complexity and the risks of errors of the process.
It was argued that this "early implementation" approach goes against the concept of Release in 3GPP. The chairman reminded that this discussion was started already in last TSG SA, and in any case required if this happens in the future, the decision is taken at the TSG concerned.
Hans van der Veen (NEC) clarified that the background of requesting this early implementation is a requirement from Japan that is almost of regulatory nature, and due to the fact that Rel-6 ASN.1 is not stable and the proponents needed to have this in a stable Release of ASN.1.

It is agreed to have one TR per feature explaining the early implementation and to keep ASN.1 in Rel-6 version, but in branches that could become easily Rel-5 branches in case non backwards compatible CRs to Rel-6 ASN.1 are made.

On the freezing of ASN.1, WG2 should aim at December 2005. However the situation will be re-evaluated in September. WG3 should aim at the same dates.

RP-050176 List of CRs from RAN WG2 (RAN WG2)
This list is presented for information

7.3.2 Discussions on decisions from WG2

RP-050335 Implementation of Domain Specific Access Control within Rel-5 UEs (NTT DoCoMo)
Takehiro Nakamura (NTT DoCoMo) presented this report
This document provides background on the need for the DSAC feature in Japan. DSAC enables operators to apply access class barring to a specific domain (CS or PS). One of its major use cases is to allow subscribers to access emergency and safety information via the PS domain while their access to the CS domain is blocked in the event of natural disasters. In Japan, the Ministry of Telecommunications has released a report with recommendations for ensuring communications in

such events, and the functions equivalent to DSAC on PDC or 3GPP2 network are already implemented or on its way.

7.3.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Re-5 & Rel-6

No documents

7.3.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

No documents

7.3.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-050301 CRs (Rel-5 & Rel-6) on HSDPA Corrections (RAN WG2)
No comments, the CRs are approved

RP-050303 CRs (Rel-5 & Rel-6) on ROHC (RAB Enhancements) (RAN WG2)
It is clarified that the performance testing is for an existing feature, hence the category. The other CRs in the pack are for the introduction of a new feature.
The CRs are approved

RP-050304 25.331 CRs (Rel-5 & Rel-6) on handling of keys at inter-RAT handover (RAN WG2)
The CRs are approved

RP-050302 CRs (Rel-5 & Rel-6) on TEI5 (RAN WG2)
All CRs except 2606 and 2607 to 25.331 are approved.

RP-050346 CR 25.331-2606r2 (Cat F, Rel5, TEI), CR 25.331-2607r2 (Cat A, Rel6, TEI) "UE behaviour for DCH SIR target setting for Downlink power control (Ericsson)
Antti Toskala (Nokia) required time for evaluation at home, he questioned the conclusion of WG1 on this topic. Nokia later presented the document below.

RP-050377 On UE outer-loop PC behaviour with different transport formats (Nokia)
Antti Toskala (Nokia) presented this document
Nokia proposes that is issue is further considered in RAN WG1 and WG4 so that it is ensured that good DL performance is reached not only with DCCH, but with other services as well. Possible changes are introduced only when the impact on other services is clear, and so the CRs should be hold for at least 3 months and WG1 & WG4 should study it again.
NTT DoCoMo noted that this fix is important for HSDPA operation and the CR is needed for Rel-5, but changes to Rel-5 should be as fast as possible, given that HSDPA is on the point of being deployed.
A long debate took place on the urgency of the changes and on the correctness of the arguments in RP-050377. As a trade off, Antti proposed go ahead with the CR but with the agreement of the

principle that, if in the future Nokia needs to use one of the Early UE implementation bit in the Iu, Nokia will not need to present lengthy background information. Antti worries were related to R99 and Rel-4 UEs in the field, not Rel-5 whose implementations can still be changed. For Antti, there seems to be currently two R99 implementations, and the CR proposed decides for Rel-5 onwards on one of them that it is not the optimal. Having only this implementation for Rel-5, operation on networks may assume that this is also the implementation for all R99 UEs, which would result in degraded performance for the R99 UEs which implement the functionality the different way. To Nokia, this is very unfortunate as the best implementation is not the one that has been selected for the CR. In such scenario, Nokia may need to use the Early UE bit in Iu for the existing R99 terminals, so that the network is aware of the different implementations and can handle the expected difference in performance.
Finally, Nokia accepted the CR provided that the guidance below is followed, if needed.
The following guidance was approved:
If significant problem in the field is shown with earlier releases then this should be addressed with the early UE handling methods (Iu bitmap, RRC bitmap and/or work around captured in TR25.994 and TR25.995)

The CRs in RP-050346 are approved. The specification version is incorrect in the coversheet of CR 2606, it is v5.12.1 and not v5.12.0.

7.3.6 Approval of linked CRs where the leading one originated from WG2

No documents

7.4 TSG RAN WG3

7.4.1 Report from WG3 including report on actions required from the previous meeting

RP-050177 Status Report WG3 (RAN WG3 Convenor)
Alexander Vesely (RAN WG3 Convenor) presented this report
Summary of RAN WG3 activity since last plenary:

- RAN3 agreed CRs:
  - 0 R99 / Rel-4 CRs
  - 6 Rel-5 CRs (cat. F)
  - 76 Rel-6 CRs (6 cat. A, 57 cat. F, 1 cat. D, 8 cat. B, 4 cat.C)
  - 70 Rel-5/6 CRs cat C (Feature clean-up)
  - 2 Rel-7 (cat. B)
  - Complete list of CRs in RP-050178
  - feature removal
- MBMS: network synchronisation, FLC support
- E-DCH: alignment with RAN1/2 activities
- E-DCH/HSDPA Iur/Iub Congestion Control, TR 25.902 available for information (v100)
- RET: further correction work (adhoc held begin of April)
- LTE: joint meeting with SA2

RP-050178 List of CRs from RAN WG3 (RAN WG3)
This list is provided for information

7.4.2 Discussions on decisions from WG3

No discussions

7.4.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Rel-5 & Rel-6

No documents

7.4.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

No documents

7.4.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-050217 CRs (Rel-5 and Rel-6 category A) to TS 25.413, TS 25.423, TS 25.450,TS 25.453 and TR 25.931 (RAN WG3)
No comments, the CRs are approved

7.4.6 Approval of linked CRs where the leading one originated from WG3

No documents

7.5 TSG RAN WG4

7.5.1 Report from WG4 including report on actions required from the previous meeting

RP-050179 Status Report WG4 (RAN WG4 Convenor)
Howard Benn (RAN WG4 Convenor) presented this report
Summary of RAN WG4 activity:

- 1 Adhoc meeting on EUL and MBMS
- 1 RAN WG4 meeting since last RAN meeting
- 4 telephone conference calls on EUL and spectrum issues
- Slight increase in number of delegates (around 90)
- 320 input contributions, 25% increase
- Corrections to the specification (cat B & F numbers)
  - Release 99 - 2 CRs

  - Release 4 - 0 CRs
  - Release 5 - 17 CRs – 13 feature cleanup
  - Release 6 - 18 CRs
  - Release 7 - 10 CRs
- There will be one WG meeting before the next plenary

On the chairman's comments (slide 9), Denis Fauconnier (RAN WG2 convenor) clarified WG1 and WG2 are not discussing the RoT measurement anymore, it has been decided that it is up to WG4 now to decide on the new measurement.
Dirk Gerstenberger (RAN WG1 convenor) had also different view on how the process with this measurement has gone. To him, the discussion first started in the joint WGs meeting in February and WGs have exchanged views since, and now the situation is clearer. The process has worked well.
Antti Toskala (Nokia) noted that this discussion is a reflection of the way the Terms of Reference of the groups are defined, and suggested to change these to align with the needs of the work.

Motorola and Nokia noted that the risk of simulation overload (slide 9), and the subsequent delay on the completion of the WIs, is clearly due to proposals being introduced under TEI that require simulations as well.
The chairman clarified that TEI is intended for small features, which can be completed in one meeting cycle. Denis agreed that the handling of TEI is difficult from a chairman's perspective.
A debate on the usage of the TEI Work Item followed. The most common view was that work that spans over more than one WG or more than one meeting cycle should not be put into TEI, a accurate Work Item should be approved instead.

It is clarified that the 10 Rel-7 CRs are for the UMTS2600 Work Item. Although the frequency bands are Release independent, the CRs are actually introduced in a given Release. For this Work Item, it is Release 7. RAN WG4 has sent a LS to RAN WG2 to inform of the completion of this work so that WG2 can proceed with the signalling (R4-050556).

RP-050180 List of CRs from RAN WG4 (RAN WG4)
This list is presented for information

7.5.2 Discussions on decisions from WG4

RP-050348 A way Forward to Specify the Requirements for Active Set Size (Ericsson)
Thomas Unshelm (Ericsson) presented this document
As a solution for the Active Set blocked situation, Ericsson proposes to set a requirement for a max size of 4 cells for DCH and 4 cells for EDCH when EDCH is used, and to keep 6 cells for DCH when EDCH is not active. This allows for a reduced increase in UE complexity.
Denis Fauconnier (Nortel) highlighted that this proposal presents the drawback that R99 services that assume AS of 6 will not work when a packet service based on EDCH is activated, since the AS supported by the DCH will change from 6 to 4.
Nokia commented that there is no reason to take the same value for the max AS for EDCH and DCH, different channels with different scenarios.
Ericsson is asked to present this paper as a contribution to the discussion in WG4.

7.5.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Rel-5 & Rel-6

RP-050201 CRs (R99 and Cat A to later Releases) to 25.101 (RAN WG4)
It is clarified that the Rel-6 version of the CR is not needed.
The CRs are approved

7.5.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

No documents

7.5.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-050202 CRs (Rel-5 & Rel-6 CatA) to 25.101 on Clarification to HS-DPCCH time mask requirements (RAN WG4)
RP-050203 CRs (Rel-5 & Rel-6 CatA) to 25.102 for HSDPA related corrections (RAN WG4)
RP-050204 CRs (Rel-5 & Rel-6 CatA) to 25.133 on UE transmitted power measurement report mapping (RAN WG4)
No comments, the CRs are approved.

7.5.6 Approval of linked CRs where the leading one originated from WG4

No documents

7.6 TSG RAN WG5

7.6.1 Report from WG5 including report on actions required from the previous meeting

RP-050361 Status Report WG5 (RAN WG5 Convenor)
Phil Brown (RAN WG5 Convenor) presented this report
Summary of RAN WG5 work in the last 3 months:

- RAN5#27 was held in Bath, England hosted by Aeroflex 25 – 29 Apr 05 and was attended by 63 delegates
- Maintained good pace of TTCN test case approvals; 57 more TTCN test cases have been T1 approved @ 1 Jun 05 with another 10 undergoing email approval
- First 31 tests in WI-012 have been verified (enhanced R99 coverage) and the first WI-014 (HSDPA) test has just been verified;
- Verification of signalling test cases with ciphering ON now mandated with RAN5 to meet industry requirements

Phil clarified that on slide 16 the percentages reflect only the TTCN test cases, completed and verified.
The chairman asked that WG5 co-locates with the other WGs in 2006.
On the issue of the Release of applicability of the CRs for removal of TGPL2, WG5 asks whether it should remove the tests for Rel-5 onwards only, or remove them completely from the specifications. The situation in WG5 is that there is only one specification that covers all the Releases, the first option will imply adding a note, to the section that contains the test for the feature, stating that it only applies to Rel-5 onwards; the second option implies completely deleting the test from the specification. The question for WG5 applies to the CRs for removal of TGPL2 presented, and also as guidance for the features being presented for removal and that WG5 will have to remove from their specifications in its next meeting.
There was a long debate on this issue. NEC, Three and other companies requested that the tests are kept for R99 and Rel-4, on the basis that such was the decision in TSG RAN 3 months ago for this removal activity, and that it should be possible for operators willing to use one of these features in a R99 network and terminals to be able to test.
On the other hand, it was argued that keeping the tests would be misleading for GCF, and removing them doesn't stop the features to be used.
Howard Benn clarified that this debate could be academic, because may be there are not test cases for these features yet. Or it could be like the case of TGPL2, where the CRs from WG5 are not removing any test, just the TGPL2 parameter from some of the existing tests. In any case, the discussion should take place with the CRs available.

The guidance for WG5 will be to check which of the features being removed have tests in WG5 specifications, or are referred in any way in WG4 specifications, and to produce the CRs indicating that those tests or parameters only apply for R99 and Rel-4. This was reconfirmed during the discussion on Features removal.

RP-050364 List of CRs from RAN WG5 (RAN WG5)
This list is presented for information

RP-050260 Draft report of RAN5#27 (3GPP Support)
This report is presented for information

RP-050261 MCC TF 160 report (TF 160 Leader)
Phil Brown (RAN WG5 Convenor) presented this report on behalf of Shicheng Hu, TF160 manager.
On the percentage of test cases approved for HSDPA, it is noted that this report shows a higher figure than RP-050361. The reason for this is that two HSDPA tests have been withdrawn this week in the email approval, so this report is correct but RP-050361 is not.
The report is approved

RP-050263 MCC TF 160 ToR (TF 160 Leader)
The ToR are approved without comments.

7.6.2 Discussions on decisions from WG5

RP-050262 RAN WG5 Terms of Reference (RAN WG5 Convenor)
No changes compared to the version presented in TSG RAN. It has been presented to RAN WG5 and no comments were made, they are approved

RP-050264 TS 34.171 ver 2.0.0 for approval to go under revision control (REL-5) (Spirent (Rapporteur))

It was asked whether lengthy test would be the case for all terminals or for marginally compliant terminals. The rapporteur will have to be contacted for this.
It is commented that there are a lot of FFS still in the annex of the document.
The TS is approved and will be put under change control as v6.0.0 (Release-6)

RP-050265 TR 34.943 on Analysis of Differences between FDD and 1.28 Mcps TDD (ZTE (Rapporteur))

This TR is presented for information. It is clarified that the rationale for this document was to help RAN WG5 experts understand the differences and their impact on the tests.
It was unclear why the TR is Release 5. There are arguments for Rel-4 (LCR TDD is Rel-4) and for Rel-6 or Rel-7 (the WI in WG5 is open now). It was agreed to solve this Release discussion when the TR is presented for approval.

7.6.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Rel-5 & Rel-6

No contributions

7.6.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

No contributions

7.6.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-050267 CRs to 34.108 for approval Batch 1 (RAN WG5)

On CR 412 to TS 34.108 Siemens commented that test values fields for Fields with unchanged ported functionality from SIM to USIM (e.g. Rel-5 VGCS/VBS fields, and others), shall be based on TS 51.010.1 as far as possible. Siemens does not object the CR, but may want to come back on this issue in the future.
All the CRs are approved

The documents in the table below contain CRs agreed by RAN WG5. All the CRs were approved without comments.

Document	Title
RP-050268	CRs to 34.108 for approval Batch 2
RP-050269	CRs to 34.121 for approval Batch 1
RP-050270	CRs to 34.121 for approval Batch 2
RP-050271	CRs to 34.123-1 for approval Batch 1
RP-050272	CRs to 34.123-1 for approval Batch 2
RP-050273	CRs to 34.123-1 for approval Batch 3
RP-050274	CRs to 34.123-1 for approval Batch 4
RP-050275	CRs to 34.123-1 for approval Batch 5
RP-050276	CRs to 34.123-1 for approval Batch 6
RP-050277	CRs to 34.123-2 for approval
RP-050278	CRs to 34.123-3 (Prose part not Annex A) for approval
RP-050366	CRs to 34.123-3 (Prose part in Annex A) for approval
RP-050365	Summary of TTCN CR B category to 34.123-3 for approval Batch 1
RP-050281	Summary of TTCN CR F category to 34.123-3 for approval Batch 1
RP-050282	Summary of TTCN CR F category to 34.123-3 for approval Batch 2
RP-050283	Summary of TTCN CR F category to 34.123-3 for approval Batch 3
RP-050284	CRs to 34.902 for approval
RP-050349	CR on Addition of GPS scenario and assistance data for A-GPS performance tests in 34.108
RP-050350	CR on Corrections to section 10.7 and GPS data file for 34.108

7.6.6 Approval of linked CRs where the leading one originated from WG5

No contributions

7.7 Feature clean up

7.7.1 80 ms TTI for DCH

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050218	CRs (Rel-5 & Rel-6) for the removal of 80ms TTI for DCH	RAN WG3
RP-050243	CRs (Rel-5 & Rel-6) to TS 25.212 for Feature clean up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	RAN WG1
RP-050259	CRs (Rel-5 & Rel-6) to 25.104 & 25.141 for the removal of 80ms TTI	Nokia
RP-050305	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of 80 ms TTI for DCH	RAN WG2

It is noted that the cover sheet of document RP-050243 shows Cat F, although the CRs coversheets are correct and show Cat C.
On document RP-050259, it was found after WG4 meeting that the CRs were needed, and Nokia volunteered to produce and send them to WG4 reflector for email approval. The CRs were formally agreed by WG4 the week before TSG RAN meeting, this explains the source (Nokia instead of WG4).
All the CRs in the documents above are approved

7.7.2 SSDT

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050211	CRs (Rel-5 & Rel-6) to 25.101, 25.104 & 25.141 for the removal of SSDT	RAN WG4
RP-050219	CRs (Rel-5 & Rel-6) for the removal of SSDT	RAN WG3
RP-050244	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of SSDT	RAN WG1
RP-050307	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of SSDT	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.3 Observed time difference to GSM cell

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050212	CRs (Rel-5 & Rel-6) to 25.133 for the removal of Observed time difference to GSM cell	RAN WG4
RP-050245	CRs (Rel-5 & Rel-6) to TS25.215 for Feature clean Up: Removal of observed time difference to GSM cell measurement	RAN WG1
RP-050306	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Observed time difference to GSM cell	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.4 Support of dedicated pilot as sole phase reference

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050213	CRs (Rel-5 & Rel-6) to 25.101 & 25.133 for the removal of Dedicated pilot as sole phase reference	RAN WG4
RP-050220	CRs (Rel-5 & Rel-6) for the removal of Support ofdedicated pilot as sole phase reference	RAN WG3
RP-050246	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of dedicated pilot as sole phase reference	RAN WG1
RP-050310	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of dedicated pilot as sole phase reference	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.5 Tx diversity closed loop mode2

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050214	CRs (Rel-5 & Rel-6) to 25.101 for the removal of Tx diversity closed loop mode2	RAN WG4
RP-050221	CRs (Rel-5 & Rel-6) for the removal of Tx diversity closed loop mode2	RAN WG3
RP-050247	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of the 'TX diversity closed loop mode 2'	RAN WG1
RP-050312	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Tx diversity closed loop mode2	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.6 DSCH (FDD mode)

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050222	CRs (Rel-5 & Rel-6) for the removal of DSCH (FDD)	RAN WG3
RP-050248	CRs (Rel-5 & Rel-6) to TS25.211, TS25.212, TS25.213 & TS25.214 for Feature clean up: Removal of DSCH (FDD mode)	RAN WG1
RP-050308	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of DSCH (FDD mode)	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.7 DRAC

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050223	CRs (Rel-5 & Rel-6) for the removal of DRAC	RAN WG3
RP-050311	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of DRAC	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.8 Compressed mode by puncturing

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050215	CRs (Rel-5 & Rel-6) to 25.101 & 25.133 for the removal of Compressed mode by puncturing ()	RAN WG4
RP-050224	CRs (Rel-5 & Rel-6) for the removal of Compressed mode by puncturing (RAN WG3)	RAN WG3
RP-050249	CRs (Rel-5 & Rel-6) to TS25.211, TS25.212, TS25.214 & TS25.215 for Feature clean up: Removal of the 'compressed mode by puncturing' (RAN WG1)	RAN WG1
RP-050313	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Compressed mode by puncturing (RAN WG2)	RAN WG2

No comments, all the CRs in the documents above were approved

7.7.9 CPCH

The following documents contain the CRs agreed by RAN WGs for the removal of this functionality:

Document	Title	Source
RP-050216	CRs (Rel-5 & Rel-6) to 25.101, 25.104, 25.133 & 25.141 for the removal of CPCH	RAN WG4
RP-050225	CRs (Rel-5 & Rel-6) for the removal of CPCH	RAN WG3
RP-050250	CRs (Rel-5 & Rel-6) to WG1 specifications for Feature clean up: Removal of CPCH	RAN WG1
RP-050309	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of CPCH	RAN WG2

No comments, all the CRs in the documents above were approved

8 Release 6, Release 7 and beyond: Status update and approval of CRs, reports

8.1 Radio Interface Improvement Feature

8.1.1 Improved Receiver Performance Requirements for HSDPA

8.1.1.1 Performance Requirements for HSDPA UE categories 7 & 8

RP-050183 Status Report for WI Improved minimum performance requirements for HSDPA UE categories 7 & 8 (Nokia)

Jussi Numminen (Nokia) presented this report
Jussi proposed to close the WI, but Motorola noted that the preference in WG4 was to keep the item open for another 3 months and conclude the open issue. Ericsson supported to close it, being 90% completed.
It was finally agreed to close the WI

RP-050205 CR (Rel-6) to 25.101 for the WI "Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8" (RAN WG4)

No comments, the CR is approved

8.1.2 UMTS2600 for FDD

RP-050184 Status Report for WI UMTS 2.6GHz (Nokia)

Jussi Numminen (Nokia) presented this report
Jussi explained that the only open point is the addition to WG2 specification to take into account the new band in the UE capabilities.
The WI is closed

RP-050206 CRs (Rel-7) to 25.101, 25.104, 25.113, 25.133, 25.141 & 34.124 for the WI "UMTS 2.6 GHz" (RAN WG4)

RP-050226 CRs (Rel-7 cat. B) for Introduction of UMTS2600 in RAN3 specifications (RAN WG3)

It is clarified that the Rel-7 versions of the affected specifications will be created, in WG4 and WG3.
It was briefly debated that the same procedure in WG2 implies the creation of the Rel-7 version of 25.331, which was found undesirable due to the administrative burden. A trade off could be to add the signalling support in 25.331 Rel-6. This issue however is to be discussed when the CRs are presented in next plenary.
The CRs in RP-050206 and RP-050226 are approved

RP-050347 TR 25.810 v1.0.0 UMTS 2.6 GHz (FDD) Work Item Technical Report (Rapporteur, Nokia)

The TR is presented for approval, although the cover pages states for information and it is also here as v1.0.0.
It is noted that there are many editorial errors in the document, these will be solved by the 3GPP support before publications
The TR is approved and will be put under change control as v7.0.0.

8.1.3 UMTS2600 for TDD

RP-050185 Status Report for WI UMTS 2.6GHz TDD (IPWireless)

Derek Richards (IPWireless) presented this report
No comments, the report is noted

8.1.4 UMTS 900

RP-050186 Status Report for WI UMTS 900 (Nortel)

Evelyn Lestrat (Nortel) presented this report
The information required by ECC PT1 is needed for their meeting 6-8 September, immediately after WG4 meeting. The information will have to be sent with a personal letter from RAN chairman.
The report is noted.

8.1.5 UE Antenna Performance Evaluation Method and Requirements

RP-050187 Status Report for WI UE Antenna Performance Evaluation Method and Requirements (TeliaSonera)

Per Ernstrom (TeliaSonera) presented this report
Per clarified that the completion date is moved to March 2006
The report is noted

8.2 RAN Improvement Feature

8.2.1 Radio access bearer support enhancement

RP-050188 Status Report for WI RAB support enhancement (Nokia)

Antti Toskala (Nokia) presented this report

The WI is closed. For future work on this area, it is expected that dedicated Work Tasks are created, instead of relying in the RAB basket.

RP-050323 25.321 and 25.331 CRs (Rel-6) on RAN Improvement (RAN WG2)
No comments, the CR is approved

RP-050336 25.331 CR 2599 (Rel-6) on Radio Link Failure in F-DPCH (RAN WG2)
It is noted that this CR is linked to the WG1 CR in RP-050333. Antti clarified that this CR solves a problem that affects not only Fractional DPCH.
The CR is approved

RP-050358 TR25.862 v2.0.0 RAB support for IMS (Nokia)
It is clarified that this TR covers all the activity under RAB for Rel-6, which was basically Voice over IMS.
The TR is approved and will be put under change control as v6.0.0.

8.2.1.1 Optimization of channelization code utilization for TDD

RP-050322 25.302, 25.331 on code utilisation for TDD (RAN WG2)
No comments, the CRs are approved

8.2.1.1.1 Optimization of Channelisation Code Utilisation for 1.28 Mcps TDD

RP-050189 Status Report for WI Optimisation of channelisation code utilisation for 1.28 McpsTDD (UTStarcom)
Derek Richards (IPWireless) presented this report on behalf of UTStarcom
Derek noted that conclusion of this WI in September will bring ASN.1 CRs for 25.331 Rel-7, and asked if this was the preferred way forward, given the concerns on having 25.331 Rel-7 at such an early stage. It was clarified that in any case 25.331 Rel-7 will have to be created sooner rather than later to comply with ITU-R requirements.
The report is noted

8.2.2 RRM optimizations for Iur and Iub

No contributions

8.3 UE Positioning

8.3.1 Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications

RP-050190 Status Report for WI Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications (TruePosition)
Robert Gross (TruePosition) presented this report
No comments, the report is noted

RP-050330 CR on 25.305 (Rel-6) on the introduction of the U-TDOA location method in 25.305 (RAN WG2)

This is a CR to the Stage 2, which is scheduled for completion at this meeting. This justifies to present it here before the rest of the Stage 3 CRs.
It is clarified that it is a Rel-7 CR, hence 25.305 Rel-7 will be created.
The CR is approved

8.4 Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN

Document	Title	Source
RP-050227	CRs (Rel-6 cat. F) on MBMS (RAN WG3)	RAN WG3
RP-050228	CRs (Rel-6 cat. B and cat. C) on MBMS (RAN WG3)	RAN WG3
RP-050251	CRs (Rel-6 category F) for corrections of MBMS in RAN1 specifications (RAN WG1)	RAN WG1
RP-050314	CRs (Rel-6) on MBMS corrections (25.346, 25.304 and 25.306) (RAN WG2)	RAN WG2
RP-050315	CRs (Rel-6) on MBMS corrections (25.322 and 25.323) (RAN WG2)	RAN WG2
RP-050316	CRs (Rel-6) on MBMS corrections (25.331) (RAN WG2)	RAN WG2

No comments, all the CRs in the documents above were approved

8.4.1 MBMS performance requirements

RP-050191 Status Report for WI UE Performance Requirements for MBMS (Ericsson)

Thomas Unshelm (Ericsson) presented this report
Giovanni Romano asked that the new simulation scenarios for the added test coverage are considered after the rest of the WI is completed in order not to delay the current work.
Yannick Le Pezennec (Vodafone) noted that the increased test coverage is seen as necessary to ensure that UEs are tested sufficiently to provide a reliable MBMS service. Yannick clarified that the intention is that the all the tests and requirements stay in Rel-6, even if the completion needs to be delayed.
The document is noted, the completion date may need to be revised in the next RAN after the discussion on the usefulness of the extended test coverage has taken place in WG4

8.5 Multiple Input Multiple Output Antennas (On hold)

RP-050334 MIMO for UTRA in Release 7 (Lucent et al.)

Said Tatesh (Lucent) presented this document
Alcatel also supported this proposal
NEC preferred to keep MIMO inside the discussions for LTE and not to consider it for Rel-7.
Qualcomm argued that one of the conditions of the LTE Study was that work for the Long Term shouldn't stop regular enhancements of existing UTRA. RIM also supported this view.
Vodafone asked that it is proved that MIMO brings sufficient gains before engaging in the standardization.
It was noted that MIMO has been open for 3 years now and WG1 has not reached agreement on the benefits, the scheme or the way forward. Qualcomm argued the work has been stopped more than a year to give priority to more "urgent" WIs, and the rest of the time was spent mostly on the propagation channels, which is a useful piece of work that will be reused for the LTE.
The agreed way forward is to allow for a 6 months period where the gains of MIMO are showed. It is allowed that new proposals for schemes can be presented in the next WG1 meeting, and then the

rest of the 6 months period will be dedicated to prove the gains of MIMO. A conclusion on the way forward will be taken by December 2005. It is agreed that the references to be used for the performance analysis shall be same used for LTE.

8.6 FDD Enhanced Uplink

RP-050192 Status Report for WI FDD Enhanced Uplink (Ericsson)
Joakim Bergstrom (Ericsson) presented this report
There were comments on the fact that 2 E-RNTI have now been agreed in WG2. Some companies noted that they were not pleased with that solution.
The completion level of 100% is misleading, since there are a number of open issues. It is noted however that the WIs are closed.
The report is noted

The CRs in the documents in the table below were approved without comments.

Document	Title	Source
RP-050229	CRs (Rel-6 cat. F) on EDCH (RAN WG3)	RAN WG3
RP-050230	CRs (Rel-6 cat. B) on EDCH (RAN WG3)	RAN WG3
RP-050326	CR on 25.309 (Stage 2) on FDD Enhanced Uplink (RAN WG2)	RAN WG2
RP-050328	CR on 25.331 on ASN.1 corrections (RAN WG2)	RAN WG2

RP-050252 CRs (Rel-6 category F) for corrections of Enhanced uplink in RAN1 specifications (RAN WG1)
All the CRs are approved except 203 to 25.211 and 206 to 25.212, which are revised in the document below.

RP-050357 Revised CRs for EDCH: 25.211CR203r2 and 25.212CR206r1 (Nokia)
No comments, the CRs are approved

RP-050327 CRs on 25.302, 25.306, 25.321 and 25.331 on FDD Enhanced Uplink (RAN WG2)
All the CRs are approved except CR216 to 25.321 which is revised in the document below.

RP-050351 Proposed CR 216r1 to 25.321 [Rel-6] on Additional text on EUL in MAC specification (Ericsson, Samsung, Qualcomm)
RP-050375 Proposed CR 216r1 to 25.321 [Rel-6] on Additional text on EUL in MAC specification (Ericsson, Samsung, Qualcomm)
It is clarified that RP-050351 was presented in WG2 reflector without comments. It was later revised to RP-050375, the only difference being the cover sheet.
RP-050375 is approved

RP-050345 CR 25.214-395 (Cat F, Rel6, EDCH-Phys) "Removal of E-RGCH non-serving radio link set" (Ericsson)
No comments, the CR is approved

RP-050231 TR 25.902v100: Iur Iub Congestion Control (RAN WG3)
The TR is presented for information.
No comments, the TR is noted.

8.6.1 FDD Enhanced Uplink Performance Requirements

RP-050207 CRs (Rel-6) to 25.101 & 25.133 for the WI "FDD Enhanced Uplink, RF" (RAN WG4)

CR 408 to 25.101 is revised in the document below. CR 736 to 25.133 is approved

RP-050257 CR408r3 to 25.101 on UE maximum output power with HS-DPCCH & EDCH (Motorola)

There were discussions on the WG4 reflector on this CR, in particular on the definition of the Cubic Metric. Evelyn LeStrat (Nortel) clarified that there is a common understanding of what the Cubic Metric is, but companies believed that the definition introduced in the specification is not clear enough.
RAN WG4 is tasked to look at a way of making a clear definition of the Cubic Metric in 25.101.
The CR is approved

8.7 7.68 Mcps TDD Option

RP-050193 Status Report for WI 7.68 Mcps TDD (IPWireless)

Derek Richards (IPWireless) presented this report.
The completion date (September 2005) was contested. Derek agreed that a realistic date would be December 2005.
The report is noted, the completion date is moved to December.

8.8 3.84 Mcps TDD Enhanced Uplink

RP-050194 Status Report for WI 3.84 Mcps TDD Enhanced Uplink (IPWireless)

Derek Richards (IPWireless) presented this report.
It is clarified that there are no open issues in WG3 or WG4 simply because the work has not (or barely) started.
It is agreed that the Stage 2 for TDD will be incorporated to the FDD EDCH Stage 2 TS in Rel-7.

8.9 UE performance requirements for MBMS (TDD)

RP-050195 Status Report for WI UE Performance Requirements for MBMS (TDD) (IPWireless)

Derek Richards (IPWireless) presented this report.
No comments, the report is noted

8.10 Improved support of IMS Realtime Services using HSDPA/EDCH

RP-050196 Status Report for WI Improved support of IMS Realtime Services using HSDPA/EDCH (Cingular)

Don Zelmer (Cingular) presented this report
No comments, the report is noted

RP-050374 Revised CR2579 to 25.331: Support for out-of-sequence PDUs in RLC-UM (Qualcomm)

This CR is a rev 3 of the CR in RP-050320. It is approved. The Acronym will be updated in the CR Database to reflect that it belongs to this WI.

8.11 Technical Small Enhancements and Improvements

The CRs in the documents in the table below were approved without comments.

Document	Title	Source
RP-050232	CRs (Rel-6 cat. F) on Coding of IP address in RANAP, RNSAP and NBAP messages	RAN WG3
RP-050233	CRs (Rel-6 cat. F) to TS 25.413, TS 25.423 and TS 25.433	RAN WG3
RP-050234	CRs (Rel-6 cat. F) to various specifications	RAN WG3
RP-050235	CRs (Rel-6 cat. B) to TS 25.423, TS25.425 and TS 25.435	RAN WG3
RP-050255	CRs (Rel-6 category F) for corrections of LCRTDD in RAN1 specifications	RAN WG1
RP-050256	CRs (Rel-6 category F) to TS 25.211, TS 25.213 & TS 25.214	RAN WG1
RP-050317	CRs on RLC LI optimisation for VoIP	RAN WG2
RP-050318	25.302 CRs on TEI6	RAN WG2
RP-050321	25.331 and 25.993 on CCCH message enhancements	RAN WG2
RP-050325	CRs on TR 25.993	RAN WG2

RP-050208 CRs (Rel-6) to 25.101, 25.133, 25.141 & 34.124 under the WI "Small Technical Enhancements and Improvements" (RAN WG4)

Denis Fauconnier (Nortel) commented that there is an interest in having the correction of CR756 to 25.133 " PRACH Burst timing Accuracy" also in Rel-5 (the CR is Rel-6). Ericsson also supported the idea, NEC requested time for analysis of the impact at home, Motorola warned against following this procedure in the future. For the Release 5 aspects no decision was taken by the meeting due to lack of consensus.

All CRs in RP-050208 are approved

RP-050253 Linked CRs (Rel-6 Category B) to TS25.214&TS25.331&TS25.133 for Faster L1 DCH synchronization (RAN WG1, WG2, WG4)

RP-050254 Linked CRs (Rel-6 Category C) to TS25.214 & TS25.423 & TS25.433 & TS25.133 for Timing maintained Hard Handover (RAN WG1, WG3, WG4)

RP-050339 Proposed CR 2540r3 to 25.331 [Rel-6] on Timing maintained Hard Handover (Ericsson)

It is noted that this kind of features, covering work in more than one WG, should not be presented under TEI in the future

All CRs in RP-050253, RP-050254, RP-050339 are approved

RP-050319 25.321, 25.322 and 25.324 on TEI6 (RAN WG2)

CR278 to 35.322 is for the WI Improved support of IMS Realtime Services. This will be reflected in the CR database.

All CRs are approved

RP-050320 CRs on 25.331 on TEI6 (RAN WG2)

CR 2577 to 25.331 is for the WI Improved support of IMS Realtime Services. This will be reflected in the CR database.

All CRs are approved except 2579, which was revised in RP-050374

8.12 Closed Release-6 Work Items

The CRs in the documents below were approved without comments.

Document	Title	Source
RP-050209	CR (Rel-6) to 25.101 for the WI "Optimisation of downlink channelisation code utilisation"	RAN WG4
RP-050210	CR (Rel-6) to 25.141 for the WI "Tilting Antenna - RAN aspects"	RAN WG4
RP-050236	CRs (Rel-6 cat. F) to TS 25.413, TS 25.423 and TS 25.433	RAN WG3
RP-050237	CRs (Rel-6 cat. D and F) to TS 25.461 and TS 25.463	RAN WG3
RP-050238	CR (Rel-6 cat. B) to TS 25.463	RAN WG3
RP-050324	25.331 on LCR TDD Correction	RAN WG2
RP-050329	CRs (Rel-6) on 25.331 on Network Sharing corrections	RAN WG2
RP-050333	CR (Rel6 category F) to TS25.214 on F-DPCH Downlink Power Control Behaviour in SHO	RAN WG1

8.13 Study Items

8.13.1 UTRA UTRAN Long term evolution

RP-050197 Status Report for FS on Evolved UTRA and UTRAN (NTT DoCoMo)
Takehiro Nakamura (NTT DoCoMo) presented this report
No comments, the report is noted

8.13.1.1 Report of the joint Working Groups meetings

RP-050352 Report on RAN2-RAN3-SA2 joint meeting on 3GPP System Architecture Evolution and Evolved UTRA and UTRAN (WI rapporteurs, convenors)
Alex Vesely (RAN WG3 convenor) presented this report
Alex clarified that the many architectures were presented in SA WG2, but can be grouped in the two trends presented this document.
The list in slide 6 shouldn't be understood as requirements or agreements, it is just the issues that were raised at the meeting. However, on voice continuity, the chairman recommended that the outcome from SA WG2 should be a requirement in terms of performance rather than requiring simultaneous, dual or any radio capability in the UE. This is to be decided in RAN based on the performance requirement from SA WG2.

8.13.1.2 Discussion and approval of the Requirements TR

RP-050384 TR 25.913 v2.1.0 Requirements for Evolved UTRA and UTRAN (NTT DoCoMo)
Takehiro Nakamura (NTT DoCoMo) presented this TR
It is clarified that one proposal had been presented for the Migration section, but had not been agreed.
The TR is approved, it will be put under change control as v7.0.0.

RP-050381 TR of Physical Layer Aspects for Evolved UTRA endorsed by RAN1 (NTT DoCoMo)
Sadayuki Abeta (NTT DoCoMo) presented this document
This is the skeleton of the TR and presented for information.

8.13.1.3 Way forward

RP-050376 The Winner Project and related resources available to 3GPP (Philips)
Tim Moulsey (Philips) presented this document
This document introduces the project Wireless World Initiative New Radio (WINNER) and highlights areas where WINNER has resources available which can be of benefit to the 3GPP LTE activity. The main aim of the WINNER project is to research technologies for future radio access networks, with an anticipated timescale of around 2015. Of the enabling activities, it is considered particularly valuable to 3GPP that work has been ongoing on channel modeling.
It was suggested that the participants in the Winner project contribute to the LTE meetings in the particular areas where they have produced useful work. Looking at what it is presented, it is agreed that RAN WG4 should be the main contact point for Winner inputs.

RP-050379 Proposal for way forward for the SI "Evolved UTRA and UTRAN" (Siemens)
Alex Vesely (Siemens) presented this report
This document tries to give an answer to question raised in the joint SA WG2 –RAN WGs meeting: "How much effort should be spent on making the legacy system benefit from SAE/LTE?"
O2 feared that the approach here would hinder the normal progress of UTRA enhancements. Antti Toskala (Nokia) noted that Nokia also supports this proposal and clarified that the prioritization recommended in the paper would apply to items within the LTE activity, but not to the LTE activity over other Work Items. This was endorsed.

It was agreed that a meeting will be held in Tallin, the 19 – 20 September (before TSG RAN meeting #29) dedicated to architecture aspects. It will be a joint RAN WGs - SA WG2 meeting. This had been announced but will formally be confirmed by TSG SA.

CRs to the Requirements TR need to be agreed jointly by all the WGs and approved by RAN. This joint ownership raises some practical problems, given that for the time being there is no joint session with the 4 WGs scheduled for the meetings in London. It was agreed that if CRs are presented for the WGs to consider, the chairmen will decide if there is a need to organize a session to handle them, or they should be postponed. Any CR to the TR however shall be distributed in the LTE reflector. Only after this is done, the CR can be considered by the chairmen.

The joint meeting in Tallin will not handle CRs to the Requirements TR except the very particular case of CRs arising from the discussions on architecture.

RP-050380 UTRAN LTE Work Plan revisions and way forward (Nokia)
Antti Toskala (Nokia) presented this document
The chairman observed that the document is just repeating the requirements of 3GPP working procedures but forbidding the possibility of electronic voting. This was not in fact the intention of Nokia, that agreed that electronic voting should be allowed. As a conclusion, the WG chairs will simply have to follow to the Working Procedures.
The document is noted

8.13.2 CS and PS call setup delay improvement

RP-050369 Status Report for FS on CS and PS Call Setup Delay Improvement (Nokia)
Luis Barreto (Nokia) presented this report
No comments, the report is noted

RP-050332 Revised WI-sheet for CS and PS call setup delay improvement (Nokia)
Luis Barreto (Nokia) presented this revised WI Sheet.
It must be noted that the title of the WI has changed to "Delay optimisation for procedures applicable to CS and PS Connections".
Luis noted that the last bullet of the objectives, which requires that the work for R99 improvements is prioritized, had been found unclear by some companies and so he proposed to remove it. Three agreed with the removal, but reminded that the origin and intention of this WI was improvements applicable to current deployed networks. Luis clarified that UE improvements will be applicable to Rel-6 UEs, it is the intention that network side improvements are applicable to R99.

It was decided that this work will be prioritised towards R99 scenarios, and the affected WGs will concentrate their efforts with this in mind.
The WI Sheet is revised in RP-050386 to remove the objected text.

RP-050386 Revised WI-sheet for Delay optimisation for procedures applicable to CS and PS Connections (Nokia)
The revised WI sheet is approved

8.13.3 Performance Evaluation of the UE behaviour in high speed trains

RP-050199 Status Report for FS on Performance Evaluation of the UE behaviour in high speed trains with speeds up to 350 kmph (Vodafone)
Volker Hoehn (Vodafone) presented this report
The completion date is moved to March 2006

8.14 New Work Items/Study Items

RP-050200 Proposed Study Item Description Sheet: UTRA FDD TMA (Ericsson)
Thomas Unshelm (Ericsson) presented this proposal
The supporting companies are: Alcatel, Ericsson, Kathrein, Nokia, Telefonica, TIM, T-Mobile, Vodafone.
IPWireless suggested that the impact on site engineering should be analysed as well, in particular the impact on 25.942. It is agreed to add that TR to the objectives.
Thomas clarified that Study is for the uplink only.
With the correction above, the Study is approved.

RP-050285 Work Item Proposal for FDD Enhanced Uplink (Testing) (RAN WG5)
Phil Brown (RAN WG5 convenor) presented this proposal
Supporting companies are: Cingular, Ericsson, Nokia, NTT DoCoMo, Motorola, Vodafone, Qualcomm, ZTE, NEC
It is noted that the WI doesn't have impact in the core specifications of the ME or the AN.
Phil clarified that it is very difficult to provide an estimate for completion of the TTCN part. It is usual not to have this information in RAN WG5 WIDSs.
The WI is approved taking into account the comments.

RP-050286 Work Item Proposal for IMS Call Control (Testing) (RAN WG5)

Phil Brown (RAN WG5 convenor) presented this proposal
Supporting companies: Motorola, Vodafone, Orange, Telecom Italia, NEC, Cingular
Like in the previous case, the box in section 9 should show no impact in ME or AN.

RP-050367 Proposal for Work Item Proposal for IMS Call Control (Testing) (RIM)
This document proposes a revision of the WI above, to cover the Rel-6 items. It will be input to RAN WG5 as a basis for the WI for the IMS Rel-6

Gordon Young (RIM) commented that the Rel-5 IMS specification 24.221 doesn't support some of functionalities, like PoC, and it makes more sense to take Rel-6 directly, which is the usable version of IMS.
Ericsson, Motorola and NEC noted that the intention is to start producing tests for the basic IMS functionality. Gordon however noted that the motivation of the WI as requested by the GCF is to produce test for the application enablers, and such application enablers are specified in Rel-6.

As a way forward, it is agreed to approve this WI for the Rel-5 basic IMS functionality. To cover the Rel-6 functionality needed for the enablers, interested companies can present a second WI in RAN WG5. This group will have to review that eventual new WI for the Rel-6 part, and to clarify the scope of RP-050286 in order to make clear that it affects Rel-5 IMS
The WI in RP-050286 approved

RP-050300 Proposed WID for LCS Enhancements Related to Location-Based Services (SiRF Technology)
Ben Rodilitz (SiRF) presented this document
Supporting companies are: SiRF Technology, Qualcomm, TruePosition, Andrew, Cingular, LGE, TeliaSonera
Denis Fauconnier (Nortel) noted that this WI deals only with including the signalling necessary to report velocity, but doesn't consider the performance requirements for the new reporting. A second WI may be needed in WG4 for this.
Antti Toskala (Nokia) requested that it is explicitly mentioned that this enhancements apply to AGPS only, and not other positioning technologies like IPDL or other. Ben however informed that other technologies like Uplink OTDOA are capable of providing the information. Antti agreed, but in this case the information is provided by the network, not the UE. It should be clear that the requirement only applies to UEs with AGPS. In fact, only applies to UE based AGPS positioning. In the other cases the reporting from the UE doesn't change; the network produces the velocity taking current UE reports.

It was asked what the requirements from SA WG1 for the velocity are. It is clarified that this WI will only enable the signalling, the requirements from SA WG1 (if any) are needed for the WG4 part on performance requirements, which is to be presented in the future.
The WI is approved, RAN WG2 is tasked to review the description sheet according with the comments above.

RP-050343 Progress of study on technical conditions of IMT-2000 systems to be operating in a new frequency band of 1.7 GHz in Japan (ARIB)
Nozomi Miura (ARIB) presented this document
It is requested that the study mentioned in this document is forwarded to WG4. It is reported that one of the conclusions of the study is that the sensibility requirements is tightened in 1 dB (compared to the 3GPP requirement for Band III)
It is clarified that the frequency allocation is now official by the Japanese government

RP-050385 Work Item proposal for 1700 MHz band in Japan (eAccess, NTT DoCoMo et al)
Takehiro Nakamura (NTT DoCoMo) presented this proposal
Jussi Numminen (Nokia) noted that the band of applicability is within the current Band III, and asked that as much as possible of the existing requirements for that band are re-used.
The WI is approved

RP-050337 Continuous connectivity for packet data users (Siemens)
Joerg Gustrau (Siemens) presented this proposal
Supporting companies: Cingular, Nokia , Siemens AG, T-Mobile, Vodafone
Joerg clarified that the focus of the WI is EDCH, R99 channels are covered by the existing "CS and PS Call Setup Delay" WI.
It was requested that the conclusions on what technologies to use are presented to all WGs before starting the introduction in WG1 specifications. After a long debate, it was agreed to start with a Study Item for a short period, to present the merits on the techniques to be introduced. A WI will follow. The Description Sheet is revised accordingly.

RP-050391 Continuous connectivity for packet data users (Siemens)
The Study Item is approved, supporting companies are those listed in the document above.

RP-050362 New Work Item Proposal: Enhanced Performance Requirements based on Receive Diversity & LMMSE Equalizer Receiver for HSDPA UE (Cingular Wireless, Motorola, Nokia, Qualcomm, Telecom Italia, T-Mobile)
Marc Grant (Cingular) presented this proposal
Supporting companies: Cingular Wireless, Nokia, Motorola, Telecom Italia, T-Mobile, Qualcomm, Panasonic, Orange, NEC, Three, Siemens
Vodafone asked that the number of UE types arising from this kind of "enhanced receivers" WIs is minimized.
Ericsson asked that the enhancements are not restricted to HSDPA channels, if the advanced receivers & diversity are implemented in the terminal, why not benefit for other channels. On this sense, Samsung suggested to add MBMS. Nokia observed that if MBMS terminal are enhanced in Rel-7, it will not be backwards compatible for the MBMS service. If the network assumes Rel-7 enhanced performance for the planning, then Rel-6 terminals will not be serviced properly. MBMS channels have particular conditions and should be kept out of this discussion. For MBMS, WG4 should simply continue with the current work on performance requirements.
The WI is approved

RP-050363 New Study Item Proposal: Further Improved Minimum Performance Requirements for UMTS/HSDPA UE (Cingular)
Marc Grant (Cingular) presented this proposal
Supporting companies: Cingular Wireless, InterDigital Communications Corp, Qualcomm, Orange
Marc clarified that the scope is all channels, not only HSDPA.
Motorola and Nokia observed that the scope of the work proposed is too broad, even for a Study.
Ericsson supported the proposal as it is, and considered worth that WG4 spends some time on looking at longer term improvements to the UE receiver, in addition to enhancements like the WI above.
It was not possible to reach consensus on the proposal as it is, Cingular is invited to discuss with Nokia and Motorola on an agreeable middle point.

RP-050353 Work Item Proposal for UMTS 2.6 GHz DL External (T-Mobile, Telecom Italia, TeliaSonera, Qualcomm)

Han van Bussel (TMobile) presented this proposal
Supporting companies: Qualcomm, Telecom Italia, Telefonica, TeliaSonera, T-Mobile, O2
Chinese companies had already expressed opposition to this activity in 3GPP.
Noting that there is not yet an official request from ECC PT1 to produce the specifications for these bands (now it is only a request for comments), the WI is not approved. The concerns of the Chinese organizations will have to be raised to ECC, at a higher level.
The chairman will send a letter to ECC PT1 chairman explaining the situation in 3GPP after review by email on RAN exploder.

RP-050299 Proposed Revision to UMTS 2.6 GHz External WI Proposal (IPWireless)

The document is noted

9 Technical co-ordination among WGs

There have discussion on the Terms of Reference of WG1 and WG4 and the issues which fall somewhere in between the responsibilities agreed in those ToRs. An off line session between WG1, WG4, TSG RAN chairmen and interested companies concluded on the guidelines below. Additionally, the off line group agreed that WG4 terms of reference are satisfactory as presented in last TSG RAN. These are approved and, for completeness, included inAnnex G of this report.

It was agreed that during the combined WG meetings all working group chairs should try to coordinate coffee breaks and lunch times. It was also agreed that there was no need to coordinate the session finishing times.
Any issues that could affect the other working groups should be flagged up to the working group chair during the meeting. The working group chairs will then communicate this information via themselves and the support team during the coordinated breaks. Relevant information will be given to the working group after the break by the chair. This process does not replace traditional LSs.
If the working groups and chairs decide that cross coordination would help build consensus then either joint WG sessions or joint smaller drafting sessions should be set up. If small drafting session are used then output should be passed back to the relevant working groups for approval following our normal working procedures.
Following the earlier decisions by the RAN chair during this meeting, TEI papers shall only be approved if they do not affect other working group specifications. The chairmen should remind their delegates of this. Issues that cover multiple working groups shall be passed to plenary following our usual work and study item process.

10 Outputs to other groups

RP-050370 Draft reply LS to SA WG1 on Long Term Evolution (Nokia)

No comments, the LS is approved

11 Project management

John Meredith (3GPP Support) presented the 3 documents below.

RP-050354 Specifications per Release (3GPP Support)
RP-050355 Status list before TSG#28 (3GPP Support)
These documents are presented for information

RP-050356 Need for PDFs of Tdocs (3GPP Support)
John informed that CT had agreed to discontinue the production of PDF files for the plenary, provided that the CR packages have a precise format. The Word files with the CRs shall have the following format:

21905_CR0067R3_(Rel-6)_S1-056578.doc

Spec number	21905
CR number	0067
Revision number (if any)	R3
Release number	Rel-6
WG tdoc number	S1-056578

It was commented that the current 20 CRs per tdoc may be a too high limit, 10 would be easier to handle. This can be discussed later by the MCC and the interested companies.
TSG RAN agreed to stop the production of PDF versions of the meeting documents.

RP-050378 RAN Work and Study Item Description Sheets (3GPP Support)
This document is presented for information.

RP-050266 Work Item general update (RAN5 Vice convenor)
This document contains the Description Sheets of WG5 Work Items. It will be aligned with the format of the document above. WG5 WIs will be introduced in the 3GPP Work Plan, either in the same file as the rest of the Items or in a separate file, dedicated to testing.

RP-050388 WP presentation at RAN#28 (3GPP Support)
RP-050389 WP Rel-6 (3GPP Support)
RP-050390 WP Rel-7 (3GPP Support)
These documents contain the 3GPP Work Plan, before TSG RAN #28.

12 Any other business

No discussions

13 Closing of the meeting

The chairman closed the meeting at 14:30 on Friday 3rd. He thanked the participants for their work and wished everyone a safe journey back home and nice holidays.

Annex A: List of participants

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Annex B: List of documents

See main body of the report for clarification on documents partially approved.
Documents can be found at: ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_28/

Tdoc	Title	Source	'Decision'
RP-050170	Draft agenda TSG RAN #28	Chairman	Approved
RP-050171	Revised draft report TSG RAN #27	3GPP Support	Approved
RP-050172	Revised draft report new TSG RAN extra-ordinary meeting	3GPP Support	Approved
RP-050173	Status Report WG1	RAN WG1 Convenor	Revised in 368
RP-050174	List of CRs from RAN WG1	RAN WG1	Noted
RP-050175	Status Report WG2	RAN WG2 Convenor	Noted
RP-050176	List of CRs from RAN WG2	RAN WG2	Noted
RP-050177	Status Report WG3	RAN WG3 Convenor	Noted
RP-050178	List of CRs from RAN WG3	RAN WG3	Noted
RP-050179	Status Report WG4	RAN WG4 Convenor	Noted
RP-050180	List of CRs from RAN WG4	RAN WG4	Noted
RP-050181	Status Report WG5	RAN WG5 Convenor	Revised in 361
RP-050182	List of CRs from RAN WG5	RAN WG5	Revised in 364
RP-050183	Status Report for WI Improved minimum performance requirements for HSDPA UE categories 7 & 8	Nokia	Noted
RP-050184	Status Report for WI UMTS 2.6GHz	Nokia	Noted
RP-050185	Status Report for WI UMTS 2.6GHz TDD	IPWireless	Noted
RP-050186	Status Report for WI UMTS 900	Nortel	Noted
RP-050187	Status Report for WI UE Antenna Performance Evaluation Method and Requirements	TeliaSonera	Noted
RP-050188	Status Report for WI RAB support enhancement	Nokia	Noted
RP-050189	Status Report for WI Optimisation of channelisation code utilisation for 1.28 McpsTDD	UTStarcom	Noted
RP-050190	Status Report for WI Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	TruePosition	Noted
RP-050191	Status Report for WI UE Performance Requirements for MBMS	Ericsson	Noted
RP-050192	Status Report for WI FDD Enhanced Uplink	Ericsson	Noted
RP-050193	Status Report for WI 7.68 Mcps TDD	IPWireless	Noted
RP-050194	Status Report for WI 3.84 Mcps TDD Enhanced Uplink	IPWireless	Noted
RP-050195	Status Report for WI UE Performance Requirements for MBMS (TDD)	IPWireless	Noted
RP-050196	Status Report for WI Improved support of IMS Realtime Services using HSDPA/EDCH	Cingular	Noted
RP-050197	Status Report for FS on Evolved UTRA and UTRAN	NTT DoCoMo	Noted
RP-050198	Status Report for FS on CS and PS Call Setup Delay Improvement	Nokia	Revised in 369
RP-050199	Status Report for FS on Performance Evaluation of the UE behaviour in high speed trains with speeds up to 350 kmph	Vodafone	Noted
RP-050200	Proposed Study Item Description Sheet: UTRA FDD TMA	Ericsson	Revised in 387
RP-050201	CRs (R99 and Cat A to later Releases) to 25.101	RAN WG4	Approved
RP-050202	CRs (Rel-5 & Rel-6 CatA) to 25.101 on Clarification to HS-DPCCH time mask requirements	RAN WG4	Approved

Tdoc	Title	Source	'Decision'
RP-050203	CRs (Rel-5 & Rel-6 CatA) to 25.102 for HSDPA related corrections	RAN WG4	Approved
RP-050204	CRs (Rel-5 & Rel-6 CatA) to 25.133 on UE transmitted power measurement report mapping	RAN WG4	Approved
RP-050205	CR (Rel-6) to 25.101 for the WI "Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8"	RAN WG4	Approved
RP-050206	CRs (Rel-7) to 25.101, 25.104, 25.113, 25.133, 25.141 & 34.124 for the WI "UMTS 2.6 GHz"	RAN WG4	Approved
RP-050207	CRs (Rel-6) to 25.101 & 25.133 for the WI "FDD Enhanced Uplink, RF"	RAN WG4	Partially approved
RP-050208	CRs (Rel-6) to 25.101, 25.133, 25.141 & 34.124 under the WI "Small Technical Enhancements and Improvements"	RAN WG4	Approved
RP-050209	CR (Rel-6) to 25.101 for the WI "Optimisation of downlink channelisation code utilisation"	RAN WG4	Approved
RP-050210	CR (Rel-6) to 25.141 for the WI "Tilting Antenna - RAN aspects"	RAN WG4	Approved
RP-050211	CRs (Rel-5 & Rel-6) to 25.101, 25.104 & 25.141 for the removal of SSDT	RAN WG4	Approved
RP-050212	CRs (Rel-5 & Rel-6) to 25.133 for the removal of Observed time difference to GSM cell	RAN WG4	Approved
RP-050213	CRs (Rel-5 & Rel-6) to 25.101 & 25.133 for the removal of Dedicated pilot as sole phase reference	RAN WG4	Approved
RP-050214	CRs (Rel-5 & Rel-6) to 25.101 for the removal of Tx diversity closed loop mode2	RAN WG4	Approved
RP-050215	CRs (Rel-5 & Rel-6) to 25.101 & 25.133 for the removal of Compressed mode by puncturing	RAN WG4	Approved
RP-050216	CRs (Rel-5 & Rel-6) to 25.101, 25.104, 25.133 & 25.141 for the removal of CPCH	RAN WG4	Approved
RP-050217	CRs (Rel-5 and Rel-6 category A) to TS 25.413, TS 25.423, TS 25.450,TS 25.453 and TR 25.931	RAN WG3	Approved
RP-050218	CRs (Rel-5 & Rel-6) for the removal of 80ms TTI for DCH	RAN WG3	Approved
RP-050219	CRs (Rel-5 & Rel-6) for the removal of SSDT	RAN WG3	Approved
RP-050220	CRs (Rel-5 & Rel-6) for the removal of Support ofdedicated pilot as sole phase reference	RAN WG3	Approved
RP-050221	CRs (Rel-5 & Rel-6) for the removal of Tx diversity closed loop mode2	RAN WG3	Approved
RP-050222	CRs (Rel-5 & Rel-6) for the removal of DSCH (FDD)	RAN WG3	Approved
RP-050223	CRs (Rel-5 & Rel-6) for the removal of DRAC	RAN WG3	Approved
RP-050224	CRs (Rel-5 & Rel-6) for the removal of Compressed mode by puncturing	RAN WG3	Approved
RP-050225	CRs (Rel-5 & Rel-6) for the removal of CPCH	RAN WG3	Approved
RP-050226	CRs (Rel-7 cat. B) for Introduction of UMTS2600 in RAN3 specifications	RAN WG3	Approved
RP-050227	CRs (Rel-6 cat. F) on MBMS	RAN WG3	Approved
RP-050228	CRs (Rel-6 cat. B and cat. C) on MBMS	RAN WG3	Approved
RP-050229	CRs (Rel-6 cat. F) on EDCH	RAN WG3	Approved
RP-050230	CRs (Rel-6 cat. B) on EDCH	RAN WG3	Approved
RP-050231	TR 25.902v100: IurIub Congestion Control	RAN WG3	Noted
RP-050232	CRs (Rel-6 cat. F) on Coding of IP address in RANAP, RNSAP and NBAP messages	RAN WG3	Approved
RP-050233	CRs (Rel-6 cat. F) to TS 25.413, TS 25.423 and TS 25.433	RAN WG3	Approved
RP-050234	CRs (Rel-6 cat. F) to various specifications	RAN WG3	Approved
RP-050235	CRs (Rel-6 cat. B) to TS 25.423, TS25.425 and TS 25.435	RAN WG3	Approved
RP-050236	CRs (Rel-6 cat. F) to TS 25.413, TS 25.423 and TS 25.433	RAN WG3	Approved
RP-050237	CRs (Rel-6 cat. D and F) to TS 25.461 and TS 25.463	RAN WG3	Approved
RP-050238	CR (Rel-6 cat. B) to TS 25.463	RAN WG3	Approved
RP-050239	CRs (Rel-4 category F, Rel-5 category A, Rel-6 category A) to TS 25.221 for Correction to transmission of TPC for 1.28 Mcps TDD	RAN WG1	Approved
RP-050240	CRs (Rel-4 category F, Rel-5 category A, Rel-6 category A) to TS 25.221 for Correction to Transmission of SS for 1.28 Mcps TDD	RAN WG1	Approved

Tdoc	Title	Source	'Decision'
RP-050241	CRs (Rel-5 Category F, Rel-6 Category A) to TS25.212 for Correction of HSDPA Bit Separation	RAN WG1	Approved
RP-050242	CRs (Rel-5 category F, Rel-6 category F) to TS 25.214 for HS-DPCCH transmissions on discarding HS-SCCH	RAN WG1	Approved
RP-050243	CRs (Rel-5 & Rel-6) to TS 25.212 for Feature clean up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	RAN WG1	Approved
RP-050244	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of SSDT	RAN WG1	Approved
RP-050245	CRs (Rel-5 & Rel-6) to TS25.215 for Feature clean Up: Removal of observed time difference to GSM cell measurement	RAN WG1	Approved
RP-050246	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of dedicated pilot as sole phase reference	RAN WG1	Approved
RP-050247	CRs (Rel-5 & Rel-6) to TS25.211 & TS25.214 for Feature clean up: Removal of the 'TX diversity closed loop mode 2'	RAN WG1	Approved
RP-050248	CRs (Rel-5 & Rel-6) to TS25.211, TS25.212, TS25.213 & TS25.214 for Feature clean up: Removal of DSCH (FDD mode)	RAN WG1	Approved
RP-050249	CRs (Rel-5 & Rel-6) to TS25.211, TS25.212, TS25.214 & TS25.215 for Feature clean up: Removal of the 'compressed mode by puncturing'	RAN WG1	Approved
RP-050250	CRs (Rel-5 & Rel-6) to WG1 specifications for Feature clean up: Removal of CPCH	RAN WG1	Approved
RP-050251	CRs (Rel-6 category F) for corrections of MBMS in RAN1 specifications	RAN WG1	Approved
RP-050252	CRs (Rel-6 category F) for corrections of Enhanced uplink in RAN1 specifications	RAN WG1	Partially approved
RP-050253	Linked CRs (Rel-6 Category B) to TS25.214&TS25.331&TS25.133 for Faster L1 DCH synchronization	RAN WG1, WG2, WG4	Approved
RP-050254	Linked CRs (Rel-6 Category C) to TS25.214 & TS25.423 & TS25.433 & TS25.133 for Timing maintained Hard Handover	RAN WG1, WG3, WG4	Approved
RP-050255	CRs (Rel-6 category F) for corrections of LCRTDD in RAN1 specifications	RAN WG1	Approved
RP-050256	CRs (Rel-6 category F) to TS 25.211, TS 25.213 & TS 25.214	RAN WG1	Approved
RP-050257	CR408r3 to 25.101 on UE maximum output power with HS-DPCCH & EDCH	Motorola	Approved
RP-050258	Revised CR2579 to 25.331: Support for out-of-sequence PDUs in RLC-UM	Qualcomm	Revised in 359
RP-050259	CRs (Rel-5 & Rel-6) to 25.104 & 25.141 for the removal of 80ms TTI	Nokia	Approved
RP-050260	Draft report of RAN5#27	3GPP Support	Noted
RP-050261	MCC TF 160 report	TF 160 Leader	Approved
RP-050262	RAN WG5 Terms of Reference	RAN WG5 Convenor	Approved
RP-050263	MCC TF 160 ToR	TF 160 Leader	Approved
RP-050264	TS 34.171 ver 2.0.0 for approval to go under revision control (REL-5)	Spirent (Rapporteur)	Approved
RP-050265	TR 34.943 on Analysis of Differences between FDD and 1.28 Mcps TDD	ZTE (Rapporteur)	Noted
RP-050266	Work Item general update	RAN5 Vice convenor	Noted
RP-050267	CRs to 34.108 for approval Batch 1	RAN WG5	Approved
RP-050268	CRs to 34.108 for approval Batch 2	RAN WG5	Approved
RP-050269	CRs to 34.121 for approval Batch 1	RAN WG5	Approved
RP-050270	CRs to 34.121 for approval Batch 2	RAN WG5	Approved
RP-050271	CRs to 34.123-1 for approval Batch 1	RAN WG5	Approved
RP-050272	CRs to 34.123-1 for approval Batch 2	RAN WG5	Approved
RP-050273	CRs to 34.123-1 for approval Batch 3	RAN WG5	Approved
RP-050274	CRs to 34.123-1 for approval Batch 4	RAN WG5	Approved

Tdoc	Title	Source	'Decision'
RP-050275	CRs to 34.123-1 for approval Batch 5	RAN WG5	Approved
RP-050276	CRs to 34.123-1 for approval Batch 6	RAN WG5	Approved
RP-050277	CRs to 34.123-2 for approval	RAN WG5	Approved
RP-050278	CRs to 34.123-3 (Prose part not Annex A) for approval	RAN WG5	Approved
RP-050279	CRs to 34.123-3 (Prose part in Annex A) for approval	RAN WG5	Withdrawn
RP-050280	Summary of TTCN CR B category to 34.123-3 for approval Batch 1	RAN WG5	Withdrawn
RP-050281	Summary of TTCN CR F category to 34.123-3 for approval Batch 1	RAN WG5	Approved
RP-050282	Summary of TTCN CR F category to 34.123-3 for approval Batch 2	RAN WG5	Approved
RP-050283	Summary of TTCN CR F category to 34.123-3 for approval Batch 3	RAN WG5	Approved
RP-050284	CRs to 34.902 for approval	RAN WG5	Approved
RP-050285	Work Item Proposal for FDD Enhanced Uplink (Testing)	RAN WG5	Approved
RP-050286	Work Item Proposal for IMS Call Control (Testing)	RAN WG5	Approved
RP-050287	Response to 3GPP2 correspondence regarding LSs on Systems Beyond IMT2000	ITU-T SG19	Noted
RP-050288	Liaison on eCall requirements	ETSI MSG	Noted
RP-050289	Status of ECC PT1 ongoing discussion on the revision of the Decision (99)25 including new FDD pairing possibilities with the optional FDD downlink in the centergap of the 2.6 GHz band	ECC PT1	Noted
RP-050290	900 MHz UMTS and GSM Sharing study results	ECC PT1	Noted
RP-050291	LS on Long Term Evolution for the UTRA and UTRAN	TSG SA WG1	Noted
RP-050292	Reply LS on tracing information for MBMS services	TSG SA WG5 SD	Noted
RP-050293	Reply LS on Support of DSAC and Network sharing in Rel-5 UEs as optional features	CT WG1	Noted
RP-050294	Reply LS on IOT test for the feature ‘Combinational Services’	CT WG1	Noted
RP-050295	LS regarding Worksplit on RRM test cases between RAN4 and RAN5	TSG RAN WG5	Noted
RP-050296	Response LS to RAN5 regarding Worksplit on RRM test cases between RAN4 and RAN5	TSG RAN WG4	Noted
RP-050297	LS on Typical Limiting interference parameters for terrestrial UMTS systems	TSG RAN WG4	Noted
RP-050298	Comments on RP-050289	RITT, CMCC , CATT at al	Noted
RP-050299	Proposed Revision to UMTS 2.6 GHz External WI Proposal	IPWireless	Noted
RP-050300	Proposed WID for LCS Enhancements Related to Location-Based Services	SiRF Technology	Approved
RP-050301	CRs (Rel-5 & Rel-6) on HSDPA Corrections	RAN WG2	Approved
RP-050302	CRs (Rel-5 & Rel-6) on TEI5	RAN WG2	Partially approved
RP-050303	CRs (Rel-5 & Rel-6) on ROHC (RAB Enhancements)	RAN WG2	Approved
RP-050304	25.331 CRs (Rel-5 & Rel-6) on handling of keys at inter-RAT handover	RAN WG2	Approved
RP-050305	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of 80 ms TTI for DCH	RAN WG2	Approved
RP-050306	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Observed time difference to GSM cell	RAN WG2	Approved
RP-050307	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of SSDT	RAN WG2	Approved
RP-050308	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of DSCH (FDD mode)	RAN WG2	Approved
RP-050309	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of CPCH	RAN WG2	Approved
RP-050310	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of dedicated pilot as sole phase reference	RAN WG2	Approved
RP-050311	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of DRAC	RAN WG2	Approved
RP-050312	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Tx diversity closed loop mode2	RAN WG2	Approved
RP-050313	CRs (Rel-5 & Rel-6) to WG2 specifications for the removal of Compressed mode by puncturing	RAN WG2	Approved

Tdoc	Title	Source	'Decision'
RP-050314	CRs (Rel-6) on MBMS corrections (25.346, 25.304 and 25.306)	RAN WG2	Approved
RP-050315	CRs (Rel-6) on MBMS corrections (25.322 and 25.323)	RAN WG2	Approved
RP-050316	CRs (Rel-6) on MBMS corrections (25.331)	RAN WG2	Approved
RP-050317	CRs on RLC LI optimisation for VoIP	RAN WG2	Approved
RP-050318	25.302 CRs on TEI6	RAN WG2	Approved
RP-050319	25.321, 25.322 and 25.324 on TEI6	RAN WG2	Approved
RP-050320	CRs on 25.331 on TEI6	RAN WG2	Partially approved
RP-050321	25.331 and 25.993 on CCCH message enhancements	RAN WG2	Approved
RP-050322	25.302, 25.331 on code utilisation for TDD	RAN WG2	Approved
RP-050323	25.321 and 25.331 CRs (Rel-6) on RAN Improvement	RAN WG2	Approved
RP-050324	25.331 on LCR TDD Correction	RAN WG2	Approved
RP-050325	CRs on TR 25.993	RAN WG2	Approved
RP-050326	CR on 25.309 (Stage 2) on FDD Enhanced Uplink	RAN WG2	Approved
RP-050327	CRs on 25.302, 25.306, 25.321 and 25.331 on FDD Enhanced Uplink	RAN WG2	Partially approved
RP-050328	CR on 25.331 on ASN.1 corrections	RAN WG2	Approved
RP-050329	CRs (Rel-6) on 25.331 on Network Sharing corrections	RAN WG2	Approved
RP-050330	CR on 25.305 (Rel-6) on the introduction of the U-TDOA location method in 25.305	RAN WG2	Approved
RP-050331	Work Item proposal for 1700 MHz band in Japan	eAccess, NTT DoCoMo et al	Revised in 385
RP-050332	Revised WI-sheet for CS and PS call setup delay improvement	Nokia	Revised in 386
RP-050333	CR (Rel6 category F) to TS25.214 on F-DPCH Downlink Power Control Behaviour in SHO	RAN WG1	Approved
RP-050334	MIMO for UTRA in Release 7	Lucent et al.	Noted
RP-050335	Implementation of Domain Specific Access Control within Rel-5 UEs	NTT DoCoMo	Noted
RP-050336	25.331 CR 2599 (Rel-6) on Radio Link Failure in F-DPCH	RAN WG2	Approved
RP-050337	Continuous connectivity for packet data users	Siemens	Revised in 391
RP-050338	Rel-6 CRs on HSDPA (25.331)	RAN WG2	Withdrawn
RP-050339	Proposed CR 2540r3 to 25.331 [Rel-6] on Timing maintained Hard Handover	Ericsson	Approved
RP-050340	New Work Item Proposal: Enhanced Performance Requirements based on Receive Diversity & LMMSE Equalizer Receiver for HSDPA UE	Cingular Wireless, Motorola, Nokia, Qualcomm, Telecom Italia, T-Mobile	Revised in 362
RP-050341	New Study Item Proposal: Further Improved Minimum Performance Requirements for UMTS/HSDPA UE	Cingular	Revised in 363
RP-050342	ITU-R Ad Hoc Status Report	ITU-R Ad Hoc Contact Person	Noted
RP-050343	Progress of study on technical conditions of IMT-2000 systems to be operating in a new frequency band of 1.7 GHz in Japan	ARIB	Noted
RP-050344	TR25.862 v2.0.0 RAB support for IMS	Nokia	Revised in 358
RP-050345	CR 25.214-395 (Cat F, Rel6, EDCH-Phys) "Removal of E-RGCH non-serving radio link set"	Ericsson	Approved
RP-050346	CR 25.331-2606r2 (Cat F, Rel5, TEI), CR 25.331-2607r2 (Cat A, Rel6, TEI) "UE behaviour for DCH SIR target setting for Downlink power control	Ericsson	Approved
RP-050347	TR 25.810 v1.0.0 UMTS 2.6 GHz (FDD) Work Item Technical Report	Rapporteur, Nokia	Approved

Tdoc	Title	Source	'Decision'
RP-050348	A way Forward to Specify the Requirements for Active Set Size	Ericsson	Noted
RP-050349	CR on Addition of GPS scenario and assistance data for A-GPS performance tests in 34.108	RAN WG5	Approved
RP-050350	CR on Corrections to section 10.7 and GPS data file for 34.108	RAN WG5	Approved
RP-050351	Proposed CR 216r1 to 25.321 [Rel-6] on Additional text on EUL in MAC specification	Ericsson, Samsung, Qualcomm	Revised in 375
RP-050352	Report on RAN2-RAN3-SA2 joint meeting on 3GPP System Architecture Evolution and Evolved UTRA and UTRAN	WI rapporteurs, convenors	Noted
RP-050353	Work Item Proposal for UMTS 2.6 GHz DL External	T-Mobile, Telecom Italia, TeliaSonera, Qualcomm	Not approved
RP-050354	Specs per Release	3GPP Support	Noted
RP-050355	Status list before	3GPP Support	Noted
RP-050356	Need for PDFs of Tdocs	3GPP Support	Approved
RP-050357	Revised CRs for EDCH: 25.211CR203r2 and 25.212CR206r1	Nokia	Approved
RP-050358	TR25.862 v2.0.0 RAB support for IMS	Nokia	Approved
RP-050359	Revised CR2579 to 25.331: Support for out-of-sequence PDUs in RLC-UM	Qualcomm	Revised in 374
RP-050360	Discussion Paper on Interoperability testing in CT (response to LS from CT1 in RP-05029)	RIM	Noted
RP-050361	Status Report WG5	RAN WG5 Convenor	Noted
RP-050362	New Work Item Proposal: Enhanced Performance Requirements based on Receive Diversity & LMMSE Equalizer Receiver for HSDPA UE	Cingular Wireless, Motorola, Nokia, Qualcomm, Telecom Italia, T-Mobile	Approved
RP-050363	New Study Item Proposal: Further Improved Minimum Performance Requirements for UMTS/HSDPA UE	Cingular	Not approved
RP-050364	List of CRs from RAN WG5	RAN WG5	Noted
RP-050365	Summary of TTCN CR B category to 34.123-3 for approval Batch 1	RAN WG5	Approved
RP-050366	CRs to 34.123-3 (Prose part in Annex A) for approval	RAN WG5	Approved
RP-050367	Proposal for Work Item Proposal for IMS Call Control (Testing)	RIM	Approved
RP-050368	Status Report WG1	RAN WG1 Convenor	Noted
RP-050369	Status Report for FS on CS and PS Call Setup Delay Improvement	Nokia	Noted
RP-050370	Draft reply LS to SA WG1 on Long Term Evolution	Nokia	Approved
RP-050371	TR 25.913 v2.0.0 Requirements for Evolved UTRA and UTRAN	NTT DoCoMo	Revised in 384
RP-050372	TR of Physical Layer Aspects for Evolved UTRA endorsed by RAN1	NTT DoCoMo	Revised in 381
RP-050373	Rel-5 Cat F & Rel-6 Cat A CRs to 25.214, Correction to computed gain factor quantisation	Nokia	Not approved
RP-050374	Revised CR2579 to 25.331: Support for out-of-sequence PDUs in RLC-UM	Qualcomm	Approved
RP-050375	Proposed CR 216r1 to 25.321 [Rel-6] on Additional text on EUL in MAC specification	Ericsson, Samsung, Qualcomm	Approved
RP-050376	The Winner Project and related resources available to 3GPP	Philips	Noted
RP-050377	On UE outer-loop PC behaviour with different transport formats	Nokia	Noted
RP-050378	RAN Work and Study Item Description Sheets	3GPP Support	Noted
RP-050379	Proposal for way forward for the SI "Evolved UTRA and UTRAN"	Ericsson, Lucent, NTT DoCoMo, Nokia, Samsung, Siemens	Noted
RP-050380	UTRAN LTE Work Plan revisions and way forward	Nokia	Noted

Tdoc	Title	Source	'Decision'
RP-050381	TR of Physical Layer Aspects for Evolved UTRA endorsed by RAN1	NTT DoCoMo	Noted
RP-050382	Submission form for Rel-6 Late WI: EDCH performance requirements	Ericsson	Withdrawn
RP-050383	Submission form for Rel-6 Late WI: MBMS performance requirements	Ericsson	Withdrawn
RP-050384	TR 25.913 v2.1.0 Requirements for Evolved UTRA and UTRAN	NTT DoCoMo	Approved
RP-050385	Work Item proposal for 1700 MHz band in Japan	eAccess, NTT DoCoMo et al	Approved
RP-050386	Revised WI-sheet for Delay optimisation for procedures applicable to CS and PS Connections	Nokia	Approved
RP-050387	Proposed Study Item Description Sheet: UTRA FDD TMA	Ericsson	Approved
RP-050388	WP presentation at RAN#28	3GPP Support	Noted
RP-050389	WP Rel-6	3GPP Support	Noted
RP-050390	WP Rel-7	3GPP Support	Noted
RP-050391	Continuous connectivity for packet data users	Siemens	Approved

Annex C: List of CRs presented at TSG RAN #28

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.101	408	2	Rel-6	6.7.0	F	RP-050207	Revised	UE maximum output power with HS-DPCCH & EDCH	EDCH-RF	R4	R4-050603
25.101	408	3	Rel-6	6.7.0	F	RP-050257	Approved	UE maximum output power with HS-DPCCH and E-DCH	EDCH-RF	R4	
25.101	409	1	Rel-7	6.7.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz requirements	RInImp-UMTS2600	R4	R4-050555
25.101	410		Rel-5	5.14.0	C	RP-050213	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R4	R4-050399
25.101	411		Rel-6	6.7.0	C	RP-050213	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI6	R4	R4-050400
25.101	412		Rel-5	5.14.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI5	R4	R4-050401
25.101	413		Rel-6	6.7.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI6	R4	R4-050402
25.101	414	1	Rel-5	5.14.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI5	R4	R4-050532
25.101	415		Rel-6	6.7.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI6	R4	R4-050404
25.101	416		Rel-5	5.14.0	C	RP-050214	Approved	Feature Clean Up: Removal of Tx diversity closed loop mode2	TEI5	R4	R4-050405
25.101	417		Rel-6	6.7.0	C	RP-050214	Approved	Feature Clean Up: Removal of Tx diversity closed loop mode2	TEI6	R4	R4-050406
25.101	418		Rel-5	5.14.0	C	RP-050215	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R4	R4-050407
25.101	419		Rel-6	6.7.0	C	RP-050215	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R4	R4-050408
25.101	420		Rel-6	6.7.0	F	RP-050208	Approved	Correction of error in the implementation of CR 368 (in R4-040779) to 25.101	TEI6	R4	R4-050425
25.101	424	1	Rel-5	5.14.0	F	RP-050202	Approved	Clarification to HS-DPCCH time mask requirements	TEI5	R4	R4-050551
25.101	425	1	Rel-6	6.7.0	A	RP-050202	Approved	Clarification to HS-DPCCH time mask requirements	TEI5	R4	R4-050552
25.101	430		Rel-6	6.7.0	B	RP-050205	Approved	Specification of enhanced performance requirements type 2	RInImp-HSPerf-10code	R4	R4-050538
25.101	431		Rel-6	6.7.0	F	RP-050208	Approved	Addition of DL power control response time	TEI6	R4	R4-050599
25.102	147		Rel-5	5.6.0	F	RP-050203	Approved	Correction of parameters for HSDPA fixed reference channel test	TEI5, HSDPA-RF	R4	R4-050463
25.102	148		Rel-6	6.0.0	A	RP-050203	Approved	Correction of parameters for HSDPA fixed reference channel test	TEI5, HSDPA-RF	R4	R4-050464
25.102	149		Rel-5	5.6.0	F	RP-050203	Approved	Correction of parameters for TDD 1.28 Mcps HSDPA fixed and variable reference channel tests	TEI5, HSDPA-RF	R4	R4-050465

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.102	150		Rel-6	6.0.0	A	RP-050203	Approved	Correction of parameters for TDD 1.28 Mcps HSDPA fixed and variable reference channel tests	TEI5, HSDPA-RF	R4	R4-050466
25.104	231	1	Rel-7	6.8.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz requirements	RInImp-UMTS2600	R4	R4-050559
25.104	233		Rel-5	5.9.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI5	R4	R4-050379
25.104	234		Rel-6	6.8.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI6	R4	R4-050380
25.104	235		Rel-5	5.9.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI5	R4	R4-050383
25.104	236		Rel-6	6.8.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI6	R4	R4-050384
25.104	237		Rel-7	6.8.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz adjacent band services	RInImp-UMTS2600	R4	R4-050560
25.104	238		Rel-7	6.8.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz blocking requirements	RInImp-UMTS2600	R4	R4-050562
25.104	239		Rel-5	5.9.0	C	RP-050259	Approved	Feature Clean-Up for TS25.104, 80 ms TTI	TEI5	R4	R4-050608
25.104	240		Rel-6	6.8.0	C	RP-050259	Approved	Feature Clean-Up for TS25.104, 80 ms TTI	TEI6	R4	R4-050609
25.113	025		Rel-7	6.1.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz requirements in 25.113	RInImp-UMTS2600	R4	R4-050304
25.133	733		R99	3.20.0	F	RP-050201	Approved	Removing of event triggered reporting testcase in fading A.8.1.4	TEI	R4	R4-050326
25.133	734	1	Rel-6	6.9.0	F	RP-050253	Approved	New requirements Fast L1 Sync	TEI6	R4	R4-050579
25.133	735	2	Rel-6	6.9.0	F	RP-050254	Approved	New requirements Timing-maintained hard handover	TEI6	R4	R4-050604
25.133	736	1	Rel-6	6.9.0	F	RP-050207	Approved	E-TFC selection in the UE	EDCH-RF	R4	R4-050544
25.133	738		Rel-6	6.9.0	B	RP-050209	Approved	Introduction of Fractional DPCH	RANimp-RABSE-CodeOptFDD	R4	R4-050363
25.133	739		Rel-6	6.9.0	F	RP-050208	Approved	Definition of the Reference Cell in case of initial Macro Diversity allocation	TEI6	R4	R4-050364
25.133	740		Rel-6	6.9.0	F	RP-050208	Approved	Alignment of Requirements for Inter Frequency Cell Identification Test Case	TEI6	R4	R4-050370
25.133	741		Rel-7	6.9.0	B	RP-050206	Approved	Introduction of UMTS2600 requirements	RInImp-UMTS2600	R4	R4-050374
25.133	742		Rel-6	6.9.0	F	RP-050208	Approved	Correction of CPICH RSCP absolute accuracy condition	TEI6	R4	R4-050378
25.133	744		R99	3.20.0	F	RP-050201	Approved	Removal of UTRA carrier RSSI relative accuracy testcase	TEI	R4	R4-050394
25.133	745		Rel-4	4.14.0	A	RP-050201	Approved	Removal of UTRA carrier RSSI relative accuracy testcase	TEI	R4	R4-050395
25.133	746		Rel-5	5.14.0	A	RP-050201	Approved	Removal of UTRA carrier RSSI relative accuracy testcase	TEI	R4	R4-050396
25.133	748		Rel-5	5.14.0	C	RP-050212	Approved	Feature Clean Up: Removal of Observed time difference to GSM cell	TEI5	R4	R4-050409
25.133	749		Rel-6	6.9.0	C	RP-050212	Approved	Feature Clean Up: Removal of Observed time difference to GSM cell	TEI6	R4	R4-050410

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.133	750		Rel-5	5.14.0	C	RP-050215	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R4	R4-050411
25.133	751		Rel-6	6.9.0	C	RP-050215	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R4	R4-050412
25.133	752		Rel-5	5.14.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI5	R4	R4-050413
25.133	753		Rel-6	6.9.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI6	R4	R4-050414
25.133	754		Rel-5	5.14.0	C	RP-050213	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R4	R4-050415
25.133	755		Rel-6	6.9.0	C	RP-050213	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI6	R4	R4-050416
25.133	756	1	Rel-6	6.9.0	F	RP-050208	Approved	PRACH Burst timing Accuracy	TEI6	R4	R4-050586
25.133	757	3	Rel-5	5.14.0	F	RP-050204	Approved	UE transmitted power measurement report mapping.	TEI5	R4	R4-050607
25.133	758	2	Rel-6	6.9.0	A	RP-050204	Approved	UE transmitted power measurement report mapping.	TEI5	R4	R4-050602
25.133	759	1	Rel-6	6.9.0	F	RP-050208	Approved	Clarification of Test requirements on FDD/FDD Soft Handover test	TEI6	R4	R4-050582
25.133	760		Rel-6	6.9.0	F	RP-050208	Approved	Correction of CPICH_RSCP Intra frequency absolute measurement accuracy side conditions for Band III	TEI6	R4	R4-050573
25.141	364	1	Rel-7	6.9.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz requirements in 25.141	RInImp-UMTS2600	R4	R4-050593
25.141	365		Rel-6	6.9.0	F	RP-050208	Approved	Correction of spectrum mask requirements for Bands I and III	TEI6	R4	R4-050306
25.141	366		Rel-5	5.9.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI5	R4	R4-050381
25.141	367		Rel-6	6.9.0	C	RP-050216	Approved	Feature Clean Up: Removal of CPCH	TEI6	R4	R4-050382
25.141	368		Rel-5	5.9.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI5	R4	R4-050385
25.141	369		Rel-6	6.9.0	C	RP-050211	Approved	Feature Clean Up: Removal of SSDT	TEI6	R4	R4-050386
25.141	370	1	Rel-6	6.9.0	F	RP-050210	Approved	Test configuration for BS with integrated Iuant BS Modem	RANimp-TiltAnt	R4	R4-050543
25.141	371		Rel-6	6.9.0	F	RP-050208	Approved	Correction for the description of HS-DPCCH requirements	TEI6	R4	R4-050516
25.141	373		Rel-7	6.9.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz blocking requirements	RInImp-UMTS2600	R4	R4-050594
25.141	374		Rel-7	6.9.0	B	RP-050206	Approved	Introduction of UMTS 2.6 GHz adjacent band services	RInImp-UMTS2600	R4	R4-050595
25.141	375		Rel-5	5.9.0	C	RP-050259	Approved	Feature Clean-Up for TS25.141, 80 ms TTI	TEI5	R4	R4-050610
25.141	376		Rel-6	6.9.0	C	RP-050259	Approved	Feature Clean-Up for TS25.141, 80 ms TTI	TEI6	R4	R4-050611
25.201	20	-	Rel-5	5.2.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.201	21	-	Rel-6	6.1.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.211	203	1	Rel-6	6.4.0	F	RP-050252	Revised	Correction of text on E-RGCH duration	EDCH-Phys	R1	R1-050359
25.211	203	2	Rel-6	6.4.0	F	RP-050357	Approved	Correction of text on E-RGCH duration	EDCH-Phys	R1	

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25.211	204	1	Rel-5	5.6.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.211	205	1	Rel-6	6.4.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.211	206	-	Rel-5	5.6.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI5	R1	R1-050548
25.211	207	-	Rel-6	6.4.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI6	R1	R1-050548
25.211	210	1	Rel-6	6.4.0	F	RP-050252	Approved	Clarification on EACGH transmission interval	EDCH-Phys	R1	R1-050544
25.211	211	2	Rel-6	6.4.0	F	RP-050256	Approved	Clarification on phase reference for downlink channels	TEI6	R1	R1-050570
25.211	212	1	Rel-6	6.4.0	F	RP-050252	Approved	Clarification on E-DCH timing	EDCH-Phys	R1	R1-050546
25.211	213	-	Rel-5	5.6.0	C	RP-050244	Approved	Feature Clean Up: Removal of SSDT	TEI5	R1	R1-050446
25.211	214	-	Rel-6	6.4.0	C	RP-050244	Approved	Feature Clean Up: Removal of SSDT	TEI6	R1	R1-050446
25.211	216	-	Rel-5	5.6.0	C	RP-050247	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI5	R1	R1-050523
25.211	217	-	Rel-6	6.4.0	C	RP-050247	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI6	R1	R1-050523
25.211	218	-	Rel-5	5.6.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R1	R1-050525
25.211	219	-	Rel-6	6.4.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R1	R1-050525
25.211	220	-	Rel-5	5.6.0	C	RP-050246	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R1	R1-050526
25.211	221	-	Rel-6	6.4.0	C	RP-050246	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI6	R1	R1-050526
25.212	202	-	Rel-5	5.9.0	F	RP-050241	Approved	Correction of HSDPA Bit Separation	HSDPA-Phys	R1	R1-050258
25.212	203	-	Rel-6	6.4.0	A	RP-050241	Approved	Correction of HSDPA Bit Separation	HSDPA-Phys	R1	R1-050258
25.212	204	2	Rel-6	6.4.0	F	RP-050252	Approved	E-DCH Corrections	EDCH-Phys	R1	R1-050540
25.212	205	1	Rel-6	6.4.0	F	RP-050252	Approved	Compressed Mode Operation for the Enhanced Uplink	EDCH-Phys	R1	R1-050541
25.212	206	-	Rel-6	6.4.0	F	RP-050252	Revised	E-HICH and E-RGCH serving/non-serving definition clarification	EDCH-Phys	R1	R1-050329
25.212	206	1	Rel-6	6.4.0	F	RP-050357	Approved	E-HICH and E-RGCH serving/non-serving definition clarification	EDCH-Phys	R1	
25.212	207	1	Rel-5	5.9.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.212	208	1	Rel-6	6.4.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.212	209	-	Rel-5	5.9.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI5	R1	R1-050548
25.212	210	-	Rel-6	6.4.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI6	R1	R1-050548
25.212	211	1	Rel-5	5.9.0	C	RP-050243	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R1	R1-050522
25.212	212	1	Rel-6	6.4.0	C	RP-050243	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI6	R1	R1-050522
25.212	213	1	Rel-5	5.9.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode	TEI5	R1	R1-050525

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								by puncturing			
25.212	215	-	Rel-6	6.4.0	F	RP-050252	Approved	Clarification on E-AGCH bit mapping	EDCH-Phys	R1	R1-050429
25.212	216	-	Rel-6	6.4.0	F	RP-050252	Approved	Determination of SF and number of PhCHs considering SF2	EDCH-Phys	R1	R1-050434
25.212	217	1	Rel-6	6.4.0	F	RP-050251	Approved	MBMS related corrections	MBMS-RAN	R1	R1-050530
25.212	218	1	Rel-6	6.4.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R1	R1-050525
25.212	219	-	Rel-6	6.4.0	F	RP-050252	Approved	Re-ordering of the E-DPCCH bit mapping	EDCH-Phys	R1	R1-050505
25.212	220	-	Rel-6	6.4.0	F	RP-050252	Approved	Coding for E-AGCH	EDCH-Phys	R1	R1-050543
25.213	74	2	Rel-6	6.2.0	F	RP-050252	Approved	Power Offset values for E-PDDCH/E-DPCCH	EDCH-Phys	R1	R1-050537
25.213	75	3	Rel-6	6.2.0	F	RP-050252	Approved	Support of different HARQ profiles	EDCH-Phys	R1	R1-050549
25.213	76	1	Rel-5	5.5.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.213	77	2	Rel-6	6.2.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.213	78	-	Rel-5	5.5.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI5	R1	R1-050548
25.213	79	-	Rel-6	6.2.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI6	R1	R1-050548
25.213	80	-	Rel-6	6.2.0	F	RP-050256	Approved	Correction to short scrambling code polynomial	TEI6	R1	R1-050465
25.214	354	4	Rel-6	6.5.0	C	RP-050254	Approved	Timing Maintained Hard Handover	TEI6	R1	R1-050444
25.214	355	4	Rel-6	6.5.0	B	RP-050253	Approved	Fast L1 DCH synchronization	TEI6	R1	R1-050529
25.214	363	4	Rel-6	6.5.0	F	RP-050252	Approved	Power control at the maximum power limit	EDCH-Phys	R1	R1-050565
25.214	365	1	Rel-5	5.10.0	F	RP-050373	Rejected	Correction to computed gain factors quantization	TEI-5	R1	
25.214	366	1	Rel-6	6.5.0	A	RP-050373	Rejected	Correction to computed gain factors quantization	TEI-5	R1	
25.214	372	4	Rel-6	6.5.0	F	RP-050252	Approved	Support of different HARQ profiles	EDCH-Phys	R1	R1-050550
25.214	373	-	Rel-6	6.5.0	F	RP-050252	Approved	Lowest reference E-TFC for the gain factor setting for E-DCH	EDCH-Phys	R1	R1-050346
25.214	374	1	Rel-5	5.10.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.214	375	1	Rel-6	6.5.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.214	376	1	Rel-5	5.10.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI5	R1	R1-050548
25.214	377	1	Rel-6	6.5.0	C	RP-050248	Approved	Feature Clean Up: Removal of DSCH (FDD mode)	TEI6	R1	R1-050548
25.214	378	1	Rel-6	6.5.0	F	RP-050333	Approved	F-DPCH Downlink Power Control Behaviour in SHO	RANimp-RABSE-CodeOptFDD	R1	R1-050575
25.214	379	-	Rel-6	6.5.0	F	RP-050256	Approved	Correction to DL synchronization	TEI6	R1	R1-050421
25.214	380	3	Rel-6	6.5.0	F	RP-050252	Approved	Clarification on E-DCH timing	EDCH-Phys	R1	R1-050576
25.214	381	1	Rel-6	6.5.0	F	RP-050252	Approved	DPCCH gain factor with no DPDCH configured	EDCH-Phys	R1	R1-050536
25.214	382	2	Rel-6	6.5.0	F	RP-050252	Approved	Compressed Mode Operation for the Enhanced Uplink	EDCH-Phys	R1	R1-050542
25.214	383	-	Rel-5	5.10.0	C	RP-050244	Approved	Feature Clean Up: Removal of SSDT	TEI5	R1	R1-050446
25.214	384	-	Rel-6	6.5.0	C	RP-050244	Approved	Feature Clean Up: Removal of SSDT	TEI6	R1	R1-050446
25.214	386	1	Rel-5	5.10.0	C	RP-050247	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI5	R1	R1-050523
25.214	387	1	Rel-6	6.5.0	C	RP-050247	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI6	R1	R1-050523

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25.214	388	-	Rel-5	5.10.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R1	R1-050525
25.214	389	-	Rel-6	6.5.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R1	R1-050525
25.214	390	1	Rel-5	5.10.0	C	RP-050246	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R1	R1-050526
25.214	391	1	Rel-6	6.5.0	C	RP-050246	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI6	R1	R1-050526
25.214	392	1	Rel-6	6.5.0	F	RP-050251	Approved	Removal of MBMS Rake Combining	MBMS-RAN	R1	R1-050531
25.214	393	1	Rel-5	5.10.0	F	RP-050242	Approved	HS-DPCCH transmissions on discarding HS-SCCH	TEI5	R1	R1-050532
25.214	394	1	Rel-6	6.5.0	F	RP-050242	Approved	HS-DPCCH transmissions on discarding HS-SCCH	TEI6	R1	R1-050532
25.214	395	-	Rel-6	6.5.0	F	RP-050345	Approved	Removal of E-RGCH non-serving radio link set	EDCH-Phys	R1	
25.215	160	-	Rel-5	5.6.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI5	R1	R1-050568
25.215	161	-	Rel-6	6.2.0	C	RP-050250	Approved	Feature Clean Up: Removal of CPCH	TEI6	R1	R1-050568
25.215	162	-	Rel-5	5.6.0	C	RP-050245	Approved	Feature Clean Up: Removal of observed time difference to GSM cell measurement	TEI5	R1	R1-050417
25.215	163	-	Rel-6	6.2.0	C	RP-050245	Approved	Feature Clean Up: Removal of observed time difference to GSM cell measurement	TEI6	R1	R1-050417
25.215	164	-	Rel-5	5.6.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R1	R1-050525
25.215	165	-	Rel-6	6.2.0	C	RP-050249	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI6	R1	R1-050525
25.221	122	1	Rel-4	4.7.0	F	RP-050240	Approved	Correction to Transmission of SS for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050515
25.221	123	1	Rel-5	5.5.0	A	RP-050240	Approved	Correction to Transmission of SS for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050515
25.221	124	1	Rel-6	6.3.0	A	RP-050240	Approved	Correction to Transmission of SS for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050515
25.221	127	1	Rel-6	6.3.0	F	RP-050255	Approved	Correction to the examples of the association of UL SS commands to UL uplink time slots	LCRTDD-Phys	R1	R1-050516
25.221	128	1	Rel-4	4.7.0	F	RP-050239	Approved	Correction to transmission of TPC for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050517
25.221	129	1	Rel-5	5.5.0	A	RP-050239	Approved	Correction to transmission of TPC for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050517
25.221	130	1	Rel-6	6.3.0	A	RP-050239	Approved	Correction to transmission of TPC for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050517
25.221	133	1	Rel-6	6.3.0	F	RP-050255	Approved	Correction to the examples of the association of UL TPC commands to UL uplink time slot and CCTrCH pairs	LCRTDD-Phys	R1	R1-050518
25.224	144	2	Rel-6	6.4.0	F	RP-050255	Approved	Clarification of UpPCH Sub-channel for 1.28 Mcps TDD	LCRTDD-Phys	R1	R1-050567
25.301	0076	-	Rel-5	5.4.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051604

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25.301	0077	-	Rel-6	6.2.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051605
25.301	0078	-	Rel-5	5.4.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051616
25.301	0079	-	Rel-6	6.2.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051617
25.302	0152	-	Rel-6	6.3.0	F	RP-050318	Approved	Correction to the description of RACH transport channel.	TEI6	R2	R2-051158
25.302	0153	-	Rel-6	6.3.0	F	RP-050318	Approved	Add physical layer signalling information in the figures of UE's physical layer model for TDD mode.	TEI6	R2	R2-051159
25.302	0154	-	Rel-6	6.3.0	F	RP-050322	Approved	Release 6 HS-DSCH operation without a DL DPCH for 3.84 Mcps TDD	RANimp-RABSE-CodeOptTDD	R2	R2-051180
25.302	0155	-	Rel-5	5.7.0	C	RP-050306	Approved	Feature Clean Up: Removal of observed time difference to GSM cell	TEI5	R2	R2-051595
25.302	0156	-	Rel-6	6.3.0	C	RP-050306	Approved	Feature Clean Up: Removal of observed time difference to GSM cell	TEI5	R2	R2-051596
25.302	0157	-	Rel-5	5.7.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051606
25.302	0158	-	Rel-6	6.3.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051607
25.302	0159	-	Rel-5	5.7.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051618
25.302	0160	-	Rel-6	6.3.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051619
25.302	0161	-	Rel-5	5.7.0	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051632
25.302	0162	-	Rel-6	6.3.0	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051633
25.302	0163	-	Rel-6	6.3.0	F	RP-050327	Approved	Correction of E-DCH Relative Grants	EUDCH-L23	R2	R2-051669
25.303	0077	-	Rel-5	5.2.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051608
25.303	0078	-	Rel-6	6.2.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051609
25.303	0079	-	Rel-5	5.2.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051620
25.303	0080	-	Rel-6	6.2.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051621
25.304	0140	-	Rel-6	6.5.0	F	RP-050314	Approved	Addition of idle mode cell selection due to FLD	MBMS-RAN	R2	R2-051567
25.304	0141	-	Rel-6	6.5.0	F	RP-050314	Approved	MBMS Frequency Layer Convergence	MBMS-RAN	R2	R2-051568
25.304	0142	-	Rel-6	6.5.0	D	RP-050314	Approved	Removal of sentences in brackets in 25.304	MBMS-RAN	R2	R2-051205
25.305	0105	-	Rel-7	6.1.0	B	RP-050330	Approved	Addition of the U-TDOA location method to the UTRAN	LCS3-UEPos-UTDOA	R2	R2-051686
25.306	0107	-	Rel-6	6.4.1	B	RP-050314	Approved	Introduction of MBMS capability Part A and B	MBMS-RAN	R2	R2-051122
25.306	0108	-	Rel-5	5.10.0	C	RP-050305	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R2	R2-051591
25.306	0109	-	Rel-6	6.4.0	C	RP-050305	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R2	R2-051592
25.306	0110	-	Rel-5	5.10.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051610
25.306	0111	-	Rel-6	6.4.1	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051611
25.306	0112	-	Rel-5	5.10.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051622
25.306	0113	-	Rel-6	6.4.1	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051623
25.306	0114	-	Rel-5	5.10.0	C	RP-050310	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R2	R2-051628

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25.306	0115	-	Rel-6	6.4.1	C	RP-050310	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R2	R2-051629
25.306	0116	-	Rel-5	5.10.0	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051634
25.306	0117	-	Rel-6	6.4.1	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051635
25.306	0118	-	Rel-6	6.4.1	F	RP-050327	Approved	E-DCH L2 Buffer sizes	EUDCH-L23	R2	R2-051671
25.306	0119	-	Rel-6	6.4.1	B	RP-050317	Approved	RLC LI Optimization for VoiP	TEI6	R2	R2-051682
25.309	0006	3	Rel-6	6.2.0	F	RP-050326	Approved	Introduction of resource management considerations and refinement of the scheduling mechanism	EUDCH-L23	R2	R2-051707
25.321	0206		Rel-5	5.10.0	F	RP-050301	Approved	Correction of HSDPA state variable	HSDPA-L23	R2	R2-051152
25.321	0207		Rel-6	6.4.0	A	RP-050301	Approved	Correction of HSDPA state variable	HSDPA-L23	R2	R2-051153
25.321	0208	-	Rel-6	6.4.0	F	RP-050319	Approved	Corrections to the description of TCTF field	TEI6	R2	R2-051160
25.321	0209		Rel-5	5.10.0	F	RP-050301	Approved	Reconfiguration of MAC-hs parameters	HSDPA-L23	R2	R2-051532
25.321	0210		Rel-6	6.4.0	A	RP-050301	Approved	Reconfiguration of MAC-hs parameters	HSDPA-L23	R2	R2-051533
25.321	0211	-	Rel-5	5.10.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051612
25.321	0212	-	Rel-6	6.4.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051613
25.321	0213	-	Rel-5	5.10.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051624
25.321	0214	-	Rel-6	6.4.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051625
25.321	0215	-	Rel-6	6.4.0	B	RP-050323	Approved	HS-DSCH Provided Bit Rate measurement per Cell Portion	RANimp-BFE	R2	R2-051648
25.321	0216	-	Rel-6	6.4.0	F	RP-050327	Revised	Additional text on EUL in MAC specification	EUDCH-L23	R2	R2-051694
25.321	216	1	Rel-6	6.4.0	F	RP-050351	Revised	Additional text on EUL in MAC specification	EUDCH	R2	
25.321	216	2	Rel-6	6.4.0	F	RP-050375	Approved	Additional text on EUL in MAC specification	EUDCH	R2	
25.322	0272	-	Rel-6	6.3.0	F	RP-050319	Approved	Correction on actions taken Upon reception of an duplicated AMD PDU within the reception window	TEI6	R2	R2-051154
25.322	0273	-	Rel-6	6.3.0	F	RP-050315	Approved	Clarification on a Transmitter Constraint	MBMS-RAN	R2	R2-051132
25.322	0274	-	Rel-6	6.3.0	F	RP-050319	Approved	Reconfiguration of RLC parameters by upper layers may lead to Logic inconsistency of state variable VrH	TEI6	R2	R2-051155
25.322	0275	-	Rel-5	5.10.0	F	RP-050302	Approved	Erroneous Sequence Number definition	TEI5	R2	R2-051539
25.322	0276	-	Rel-6	6.3.0	A	RP-050302	Approved	Erroneous Sequence Number definition	TEI5	R2	R2-051540
25.322	0277	-	Rel-6	6.3.0	F	RP-050319	Approved	Selecting a PDU to transmit a poll	TEI6	R2	R2-051541
25.322	0278	-	Rel-6	6.3.0	B	RP-050319	Approved	Support for out-of-sequence PDUs in RLC-UM	TEI6, RInImp-IMSRealTime	R2	R2-051579
25.322	0279	1	Rel-6	6.3.0	F	RP-050315	Approved	Clarification of the "Out of sequence SDU delivery"	MBMS-RAN	R2	R2-051571
25.322	0280	-	Rel-6	6.3.0	B	RP-050317	Approved	RLC LI Optimization for VoIP	TEI6	R2	R2-051680
25.322	0281	-	Rel-6	6.3.0	F	RP-050315	Approved	Correction to Out Of Sequence Delivery	MBMS-RAN	R2	R2-051565
25.322	0282	-	Rel-6	6.3.0	F	RP-050315	Approved	Clarification on operations when UE MCCH RLC entity is re-established and OSD_Window_Size is reconfigured	MBMS-RAN	R2	R2-051564
25.323	0060	1	Rel-6	6.1.0	B	RP-050315	Approved	Introduction of MBMS	MBMS-RAN	R2	R2- 051566
25.323	0061	2	Rel-5	5.3.0	C	RP-050303	Approved	Target mode for ROHC operation	RANimp-RABSE	R2	R2-051701

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25.323	0062	2	Rel-6	6.1.0	C	RP-050303	Approved	Target mode for ROHC operation	RANimp-RABSE	R2	R2-051702
25.323	0063		Rel-5	5.3.0	F	RP-050303	Approved	Performance testing of ROHC	RANimp-RABSE	R2	R2-051549
25.323	0064		Rel-6	6.1.0	A	RP-050303	Approved	Performance testing of ROHC	RANimp-RABSE	R2	R2-051550
25.324	0025	-	Rel-6	6.2.0	F	RP-050319	Approved	Clarification of RLC concatenation procedure with BMC	TEI6	R2	R2-051147
25.331	2539	3	Rel-6	6.5.0	B	RP-050253	Approved	Faster L1 DCH synchronization	TEI6	R2	R2-051369
25.331	2540	3	Rel-6	6.5.0	B	RP-050339	Approved	Timing Maintained Hard Handover	TEI6	R2	
25.331	2541	1	Rel-6	6.5.0	C	RP-050320	Approved	Removal of unnecessary Start values	TEI6	R2	R2-051652
25.331	2542	-	Rel-6	6.5.0	F	RP-050329	Approved	Merged CR alignement w.r.t. network sharing functionality	NTShar-UTRANEnh	R2	R2-051094
25.331	2544	-	Rel-5	5.12.1	F	RP-050302	Approved	Timing Reinitialized Handover & Radio Link Timing Adjustment	TEI5	R2	R2-051150
25.331	2545	-	Rel-6	6.5.0	A	RP-050302	Approved	Timing Reinitialized Handover & Radio Link Timing Adjustment	TEI5	R2	R2-051151
25.331	2546	-	Rel-5	5.12.1	F	RP-050302	Approved	Addition of omitted IE “report criteria” in MEASUREMENT CONTROL message “modify” command	TEI5	R2	R2-051156
25.331	2547	-	Rel-6	6.5.0	A	RP-050302	Approved	Addition of omitted IE “report criteria” in MEASUREMENT CONTROL message “modify” command	TEI5	R2	R2-051157
25.331	2548	2	Rel-6	6.5.0	F	RP-050316	Approved	Miscellaneous MBMS corrections (set II)	MBMS-RAN	R2	R2-051703
25.331	2549	1	Rel-6	6.5.0	F	RP-050316	Approved	Correction to MBMS notification procedure	MBMS-RAN	R2	R2-051129
25.331	2550	1	Rel-6	6.5.0	F	RP-050316	Approved	FACH Measurement Occasion when UE receives MBMS	MBMS-RAN	R2	R2-051130
25.331	2551	-	Rel-6	6.5.0	F	RP-050316	Approved	Frequency layer dispersion	MBMS-RAN	R2	R2-051115
25.331	2552	2	Rel-5	5.12.1	C	RP-050303	Approved	Signalling of target mode for ROHC operation	RANimp-RABSE	R2	R2-051699
25.331	2553	2	Rel-6	6.5.0	C	RP-050303	Approved	Signalling of target mode for ROHC operation	RANimp-RABSE	R2	R2-051700
25.331	2554	2	Rel-6	6.5.0	B	RP-050320	Approved	Introduction of inter-frequency RACH measurement reporting	TEI6	R2	R2-051653
25.331	2555	-	Rel-6	6.5.0	F	RP-050324	Approved	Closed-Loop Power Control Improvements for 1.28 Mcps TDD – ASN1 Corrections	LCRTDD-L23	R2	R2-051178
25.331	2556	-	Rel-6	6.5.0	F	RP-050322	Approved	Release 6 HS-DSCH operation without a DL DPCH for 3.84 Mcps TDD – Setting of Dhs-sync	RANimp-RABSE-CodeOPTTDD	R2	R2-051179
25.331	2557	1	Rel-6	6.5.0	F	RP-050320	Approved	Correction to the Amount of Reporting	TEI6	R2	R2-051216
25.331	2558	-	Rel-6	6.5.0	F	RP-050320	Approved	Measurement report message definition when Inter-RAT cell info indication is used	TEI6	R2	R2-051182
25.331	2559	-	Rel-6	6.5.0	C	RP-050320	Approved	Direct transition to DCH	TEI6	R2	R2-051183
25.331	2560	1	Rel-6	6.5.0	F	RP-050316	Approved	Addition of the number of MBMS Neighbour Cell PTM Information messages to the MBMS Modified Services Information message.	MBMS-RAN	R2	R2-051214
25.331	2561	1	Rel-6	6.5.0	F	RP-050316	Approved	Addition of MBMS counting for UEs in Cell_PCH and Cell_FACH states and addition of UE	MBMS-RAN	R2	R2-051683

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								requested p-t-p bearer establishment			
25.331	2562	-	Rel-6	6.5.0	B	RP-050320	Approved	Introduction of IE “RB information to reconfigure” in RB SETUP, RB RELEASE messages	TEI6	R2	R2-051195
25.331	2564	-	Rel-6	6.5.0	B	RP-050320	Approved	Including HS-DSCH serving cell change in ASU	TEI6	R2	R2-051203
25.331	2565	-	Rel-6	6.5.0	F	RP-050323	Approved	radio bearer release F-DPCH asn1	RANimp-RABSE-CodeOptFDD	R2	R2-051204
25.331	2566	1	Rel-6	6.5.0	C	RP-050320	Approved	Detection of Activation CFN wraparound in the UE during HS-DSCH cell change	TEI6	R2	R2-051208
25.331	2567	-	Rel-5	5.12.1	F	RP-050304	Approved	Correction to handling of keys at inter-RAT handover	TEI5	R2	R2-051527
25.331	2568	-	Rel-6	6.5.0	A	RP-050304	Approved	Correction to handling of keys at inter-RAT handover	TEI5	R2	R2-051528
25.331	2571	-	Rel-5	5.12.1	F	RP-050302	Approved	CTFC calculation for DCH	TEI5	R2	R2-051542
25.331	2572	-	Rel-6	6.5.0	A	RP-050302	Approved	CTFC calculation for DCH	TEI5	R2	R2-051543
25.331	2573	-	Rel-5	5.12.1	F	RP-050302	Approved	Default RB identity in IE 'Signalling RB information to setup'	TEI5	R2	R2-051544
25.331	2574	-	Rel-6	6.5.0	A	RP-050302	Approved	Default RB identity in IE 'Signalling RB information to setup'	TEI5	R2	R2-051545
25.331	2575	-	Rel-5	5.12.1	F	RP-050302	Approved	Default configuration 13	TEI5	R2	R2-051546
25.331	2576	-	Rel-6	6.5.0	A	RP-050302	Approved	Default configuration 13	TEI5	R2	R2-051547
25.331	2577	-	Rel-6	6.5.0	C	RP-050320	Approved	UE L3 requirements for HS-DSCH mobility	TEI6, RInImp-IMSRealTime	R2	R2-051578
25.331	2579	-	Rel-6	6.5.0	F	RP-050320	Revised	Support for out-of-sequence PDUs in RLC-UM	TEI6	R2	R2-051580
25.331	2579	2	Rel-6	6.5.0	B	RP-050359	Revised	Support for out-of-sequence PDUs in RLC-UM	TEI6	R2	
25.331	2579	3	Rel-6	6.5.0	B	RP-050374	Approved	Support for out-of-sequence PDUs in RLC-UM	TEI6, RInImp-IMSRealTime	R2	
25.331	2580	-	Rel-5	5.12.1	C	RP-050305	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R2	R2-051593
25.331	2581	-	Rel-6	6.5.0	C	RP-050305	Approved	Feature Clean Up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R2	R2-051594
25.331	2582	-	Rel-5	5.12.1	C	RP-050306	Approved	Feature Clean Up: Removal of observed time difference to GSM cell	TEI5	R2	R2-051597
25.331	2583	-	Rel-6	6.5.0	C	RP-050306	Approved	Feature Clean Up: Removal of observed time difference to GSM cell	TEI5	R2	R2-051598
25.331	2584	-	Rel-5	5.12.1	C	RP-050307	Approved	Feature Clean Up: Removal of SSDT	TEI5	R2	R2-051601
25.331	2585	-	Rel-6	6.5.0	C	RP-050307	Approved	Feature Clean Up: Removal of SSDT	TEI5	R2	R2-051602
25.331	2586	-	Rel-5	5.12.1	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051615
25.331	2587	-	Rel-6	6.5.0	C	RP-050308	Approved	Feature Clean-up: Removal of DSCH (FDD)	TEI5	R2	R2-051614
25.331	2588	-	Rel-5	5.12.1	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051626
25.331	2589	-	Rel-6	6.5.0	C	RP-050309	Approved	Feature Clean Up: Removal of CPCH	TEI5	R2	R2-051627

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25.331	2590	-	Rel-5	5.12.1	C	RP-050310	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R2	R2-051630
25.331	2591	-	Rel-6	6.5.0	C	RP-050310	Approved	Feature Clean Up: Removal of dedicated pilot as sole phase reference	TEI5	R2	R2-051631
25.331	2592	-	Rel-5	5.12.1	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051636
25.331	2593	-	Rel-6	6.5.0	C	RP-050311	Approved	Feature Clean Up: Removal of DRAC	TEI5	R2	R2-051637
25.331	2594	-	Rel-5	5.12.1	C	RP-050312	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI5	R2	R2-051638
25.331	2595	-	Rel-6	6.5.0	C	RP-050312	Approved	Feature Clean Up: Removal of TX diversity closed loop mode 2	TEI5	R2	R2-051639
25.331	2596	-	Rel-5	5.12.1	C	RP-050313	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R2	R2-051640
25.331	2597	-	Rel-6	6.5.0	C	RP-050313	Approved	Feature Clean Up: Removal of Compressed mode by puncturing	TEI5	R2	R2-051641
25.331	2598	2	Rel-6	6.5.0	F	RP-050327	Approved	Alignment of EUDCH RRC Stage-3 to Stage-2 status, including handling of 2 E-RNTIs	EUDCH-L23	R2	R2-051692
25.331	2599	-	Rel-6	6.5.0	F	RP-050336	Approved	Radio link failure in F-DPCH	RANimp-RABSE-CodeOptFDD	R2	R2-051646
25.331	2600	1	Rel-6	6.5.0	B	RP-050323	Approved	Setting up F-DPCH and E-DCH in RRC connection setup	RANimp-RABSE-CodeOptFDD	R2	R2-051685
25.331	2601	1	Rel-6	6.5.0	F	RP-050316	Approved	Validity of PtM configurations	MBMS-RAN	R2	R2-051570
25.331	2602	-	Rel-6	6.5.0	F	RP-050321	Approved	CCCH message enhancements	TEI6	R2	R2-051650
25.331	2604	-	Rel-6	6.5.0	F	RP-050320	Approved	Quality measurement corrections	TEI6	R2	R2-051654
25.331	2605	-	Rel-6	6.5.0	F	RP-050328	Approved	Clean-up of R6 ASN.1 leftovers	TEI5, NTShar-UTRANEnh, UMTS900, UMTS2600, EUDCH-L2	R2	R2-051655
25.331	2606	1	Rel-5	5.12.1	F	RP-050302	Revised	UE behaviour for DCH SIR target setting for Downlink power control	TEI5	R2	R2-051690
25.331	2606	2	Rel-5	5.12.1	F	RP-050346	Approved	UE behaviour for DCH SIR target setting for Downlink power control	TEI-5	R2	
25.331	2607	1	Rel-6	6.5.0	A	RP-050302	Revised	UE behaviour for DCH SIR target setting for Downlink power control	TEI5	R2	R2-051691
25.331	2607	2	Rel-6	6.5.0	A	RP-050346	Approved	UE behaviour for DCH SIR target setting for Downlink power control	TEI-5	R2	
25.331	2608	-	Rel-6	6.5.0	B	RP-050317	Approved	RLC LI Optimization for VoiP	TEI6	R2	R2-051681
25.331	2609	2	Rel-6	6.5.0	C	RP-050316	Approved	Introduction of an S-CCPCH power offset difference in order to improve cell selection for soft and selective combining	MBMS-RAN	R2	R2-051698
25.331	2610	-	Rel-6	6.5.0	F	RP-050320	Approved	Erroneous implementation of CR#2501 in RRC specification v6.5.0.	TEI6	R2	R2-051687

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25.331	2611	-	Rel-6	6.5.0	F	RP-050329	Approved	Correction to network sharing	NTShar-UTRANEnh	R2	R2-051689
25.331	2613	-	Rel-6	6.5.0	B	RP-050316	Approved	MBMS asn1 issues	MBMS-RAN	R2	R2-051559
25.331	2614	-	Rel-6	6.5.0	F	RP-050316	Approved	SCCPCH timing offset information for FDD MBMS soft combining	MBMS-RAN	R2	R2-051563
25.331	2615	-	Rel-6	6.5.0	F	RP-050316	Approved	MBMS corrections on signalling optimization	MBMS-RAN	R2	R2-051562
25.346	0016	-	Rel-6	6.4.0	F	RP-050314	Approved	FLD scenario clarifications	MBMS-RAN	R2	R2-051121
25.346	0018	-	Rel-6	6.4.0	F	RP-050314	Approved	Handling the validity of the MBMS session Id	MBMS-RAN	R2	R2-051123
25.401	096		Rel-5	5.9.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050503
25.401	097		Rel-6	6.5.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050504
25.401	098		Rel-5	5.9.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050612
25.401	099		Rel-6	6.5.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050613
25.402	047		Rel-5	5.3.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050614
25.402	048		Rel-6	6.2.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050615
25.402	050	1	Rel-6	6.2.0	C	RP-050228	Approved	Synchronisation for MBMS p-t-m Transmissions from Multiple Cells (Simulcast)	MBMS-RAN	R3	R3-050817
25.410	063		Rel-6	6.2.0	F	RP-050234	Approved	Correction of M3UA references	TEI6	R3	R3-050583
25.412	019		Rel-6	6.1.0	F	RP-050234	Approved	Correction of M3UA references	TEI6	R3	R3-050585
25.413	741		Rel-6	6.5.0	F	RP-050227	Approved	MBMS Session Duration IE	MBMS-RAN	R3	R3-050458
25.413	742	1	Rel-6	6.5.0	F	RP-050229	Approved	Addition of E-DCH MAC-d Flow ID in transparent Container	EDCH-Iurlub	R3	R3-050701
25.413	743	1	Rel-6	6.5.0	F	RP-050233	Approved	Correction to the RANAP in Iu-Flex Paging without TMSI.	TEI6	R3	R3-050816
25.413	745	2	Rel-6	6.5.0	F	RP-050227	Approved	Enhancement for MBMS SESSION START message	MBMS-RAN	R3	R3-050809
25.413	747	1	Rel-6	6.5.0	F	RP-050233	Approved	Presence information for RAC in Target ID towards PS domain	TEI6	R3	R3-050689
25.413	748		Rel-5	5.11.0	F	RP-050217	Approved	Correction of CR729	TEI5	R3	R3-050523
25.413	749		Rel-6	6.5.0	A	RP-050217	Approved	Correction of CR729	TEI5	R3	R3-050524
25.413	750	1	Rel-6	6.5.0	F	RP-050227	Approved	Correction of MBMS figure title	MBMS-RAN	R3	R3-050715
25.413	752		Rel-6	6.5.0	F	RP-050236	Approved	Release after rerouting attempt	NTShar-UTRANEnh	R3	R3-050547
25.413	753		Rel-6	6.5.0	F	RP-050236	Approved	No Relocation during MOCN Rerouting	NTShar-UTRANEnh	R3	R3-050548
25.413	762		Rel-5	5.11.0	F	RP-050217	Approved	Correction of Cell Load Information Group	TEI5	R3	R3-050601
25.413	763		Rel-6	6.5.0	A	RP-050217	Approved	Correction of Cell Load Information Group	TEI5	R3	R3-050602
25.413	768		Rel-6	6.5.0	F	RP-050233	Approved	Correction of queuing at relocation	TEI6	R3	R3-050687
25.414	086		Rel-6	6.2.0	F	RP-050232	Approved	Coding of IP address in RANAP, RNSAP and NBAP messages	ETRAN-iptrans	R3	R3-050526
25.420	048	1	Rel-6	6.3.0	F	RP-050234	Approved	Correction to the initiation of release of the SCCP connection	TEI6	R3	R3-050820
25.420	049		Rel-5	5.2.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050505

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.420	050		Rel-6	6.3.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050506
25.420	053		Rel-5	5.2.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050616
25.420	054		Rel-6	6.3.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050617
25.422	016		Rel-6	6.0.0	F	RP-050234	Approved	Correction of M3UA references	TEI6	R3	R3-050589
25.423	1042	3	Rel-6	6.5.0	C	RP-050254	Approved	Timing maintained hard HO	TEI6	R3	R3-050411
25.423	1045	1	Rel-5	5.13.0	F	RP-050217	Approved	Correction to the RL Reconf for serving HS-DSCH cell change	HSDPA-Iublur	R3	R3-050690
25.423	1046	1	Rel-6	6.5.0	A	RP-050217	Approved	Correction to the RL Reconf for serving HS-DSCH cell change	HSDPA-Iublur	R3	R3-050691
25.423	1050		Rel-6	6.5.0	F	RP-050233	Approved	Proposed CR to 25.423 [Rel-6] on some IEs with SatID	TEI6	R3	R3-050476
25.423	1051		Rel-6	6.5.0	F	RP-050233	Approved	Correction to the on demand mesurement with no DPCH ID in the dedicated measurement procedure for TDD	TEI6	R3	R3-050479
25.423	1052	3	Rel-6	6.5.0	F	RP-050236	Approved	Revision to HARQ Preamble Mode support	RANimp-RABSE-ACKNACK	R3	R3-050824
25.423	1056	1	Rel-5	5.13.0	C	RP-050223	Approved	Feature Cleanup: Removal of DRAC	TEI5	R3	R3-050730
25.423	1057	1	Rel-6	6.5.0	C	RP-050223	Approved	Feature Cleanup: Removal of DRAC	TEI5	R3	R3-050731
25.423	1058		Rel-5	5.13.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050507
25.423	1059		Rel-6	6.5.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050508
25.423	1060	1	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH general corrections and improvements	EDCH-Iurlub	R3	R3-050698
25.423	1064	1	Rel-5	5.13.0	C	RP-050224	Approved	Feature clean-up: Removal of Compressed mode by puncturing	TEI5	R3	R3-050743
25.423	1065	1	Rel-6	6.5.0	C	RP-050224	Approved	Feature clean-up: Removal of Compressed mode by puncturing	TEI5	R3	R3-050744
25.423	1066	1	Rel-5	5.13.0	C	RP-050221	Approved	Feature clean-up: Removal of Tx diversity closed loop mode2	TEI5	R3	R3-050747
25.423	1067	1	Rel-6	6.5.0	C	RP-050221	Approved	Feature clean-up: Removal of Tx diversity closed loop mode2	TEI5	R3	R3-050748
25.423	1068	1	Rel-5	5.13.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050791
25.423	1069	1	Rel-6	6.5.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050792
25.423	1070	1	Rel-5	5.13.0	C	RP-050218	Approved	Feature Clean-up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R3	R3-050795
25.423	1071	1	Rel-6	6.5.0	C	RP-050218	Approved	Feature Clean-up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R3	R3-050796
25.423	1072		Rel-5	5.13.0	C	RP-050220	Approved	Feature Clean-up: Removal of Support of dedicated pilot as sole phase reference	TEI5	R3	R3-050651
25.423	1073		Rel-6	6.5.0	C	RP-050220	Approved	Feature Clean-up: Removal of Support of dedicated pilot as sole phase reference	TEI5	R3	R3-050652
25.423	1074	1	Rel-5	5.13.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050803

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.423	1075	1	Rel-6	6.5.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050804
25.423	1076	1	Rel-6	6.5.0	F	RP-050229	Approved	Correction on E-RGCH Sequence Signature	EDCH-Iurlub	R3	R3-050699
25.423	1077	1	Rel-6	6.5.0	B	RP-050230	Approved	Introduction of Bundling Feature	EDCH-Iurlub	R3	R3-050702
25.423	1078	1	Rel-6	6.5.0	F	RP-050229	Approved	Alignment of RNSAP with latest status of EUDCH stage 2 (TS 25.309) and RRC (TS 25.331)	EDCH-Iurlub	R3	R3-050784
25.423	1080	1	Rel-6	6.5.0	B	RP-050235	Approved	Congestion control for HSDPA	TEI6	R3	R3-050774
25.423	1081		Rel-6	6.5.0	B	RP-050228	Approved	Direct Information Transfer for MBMS purposes	MBMS-RAN	R3	R3-050818
25.424	029	1	Rel-6	6.1.0	F	RP-050234	Approved	Correction to the initiation of the release of an AAL2 connection	TEI6	R3	R3-050821
25.424	030		Rel-5	5.4.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050509
25.424	031		Rel-6	6.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050510
25.424	032		Rel-5	5.4.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050620
25.424	033		Rel-6	6.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050621
25.425	093		Rel-6	6.1.0	F	RP-050234	Approved	Correction to the range of TDD parameter in RACH DATA FRAME	TEI6	R3	R3-050481
25.425	094		Rel-5	5.7.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050511
25.425	095		Rel-6	6.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050512
25.425	096		Rel-5	5.7.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050622
25.425	097		Rel-6	6.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050623
25.425	098	1	Rel-6	6.1.0	B	RP-050235	Approved	Iub/Iur Enhancement for HS-DSCH Related to RLC Reset	TEI6	R3	R3-050814
25.425	099	1	Rel-6	6.1.0	B	RP-050235	Approved	Transport Network CongestionDetection and Control	TEI6	R3	R3-050762
25.426	046		Rel-6	6.3.0	F	RP-050232	Approved	Coding of IP address in RANAP, RNSAP and NBAP messages	ETRAN-iptrans	R3	R3-050528
25.426	048		Rel-6	6.3.0	F	RP-050234	Approved	Correction of M3UA references	TEI6	R3	R3-050591
25.427	103		Rel-6	6.2.0	F	RP-050234	Approved	Correction to the range of TDD parameter in RX TIMING DEVIATION [3.84Mcps TDD] FRAME	TEI6	R3	R3-050482
25.427	104	1	Rel-6	6.2.0	F	RP-050229	Approved	Support for HARQ Retransmission and Failure Indication	EDCH-Iurlub	R3	R3-050726
25.427	105		Rel-6	6.2.0	F	RP-050229	Approved	Clarification of the use of CFN for Enhanced Uplink	EDCH-Iurlub	R3	R3-050538
25.427	106		Rel-6	6.2.0	F	RP-050229	Approved	Removing the abbreviation SFN for Subframe Number	EDCH-Iurlub	R3	R3-050539
25.427	107	1	Rel-5	5.4.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050724
25.427	108	1	Rel-6	6.2.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050725
25.427	109	1	Rel-6	6.2.0	F	RP-050229	Approved	Transport Network CongestionDetection and Control	EDCH-Iurlub	R3	R3-050773
25.430	060		Rel-5	5.4.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050513
25.430	061		Rel-6	6.4.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050514
25.430	062		Rel-5	5.4.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050626
25.430	063		Rel-6	6.4.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050627
25.433	1088	3	Rel-6	6.5.0	C	RP-050254	Approved	Timing maintained hard HO	TEI6	R3	R3-050410

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.433	1091		Rel-6	6.5.0	F	RP-050236	Approved	Addition of SIB5bis in IB Type	RInImp-UMTS1721	R3	R3-050468
25.433	1094		Rel-6	6.5.0	F	RP-050233	Approved	Proposed CR to 25.433 [Rel-6] on some IEs with SatID	TEI6	R3	R3-050477
25.433	1095		Rel-6	6.5.0	F	RP-050233	Approved	Correction to the on demand mesurement with no DPCH ID in the dedicated measurement procedure for TDD	TEI6	R3	R3-050480
25.433	1096	3	Rel-6	6.5.0	F	RP-050236	Approved	Revision to HARQ Preamble Mode support	RANimp-RABSE-ACKNACK	R3	R3-050825
25.433	1098	2	Rel-5	5.12.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050788
25.433	1099	2	Rel-6	6.5.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050789
25.433	1100	1	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH general corrections and improvements	EDCH-IurIub	R3	R3-050697
25.433	1103	2	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH Capacity Consumption Law	EDCH-IurIub	R3	R3-050823
25.433	1106	2	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH diversity control	EDCH-IurIub	R3	R3-050822
25.433	1107	2	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH: Provided bit-rate per logical channel priority measurement	EDCH-IurIub	R3	R3-050787
25.433	1108	1	Rel-6	6.5.0	F	RP-050229	Approved	E-DCH Maximum Received Total Wide Band Power	EDCH-IurIub	R3	R3-050760
25.433	1109	1	Rel-5	5.12.0	C	RP-050224	Approved	Feature clean-up: Removal of Compressed mode by puncturing	TEI5	R3	R3-050745
25.433	1110	1	Rel-6	6.5.0	C	RP-050224	Approved	Feature clean-up: Removal of Compressed mode by puncturing	TEI5	R3	R3-050746
25.433	1111	1	Rel-5	5.12.0	C	RP-050221	Approved	Feature clean-up: Removal of Tx diversity closed loop mode2	TEI5	R3	R3-050749
25.433	1112	1	Rel-6	6.5.0	C	RP-050221	Approved	Feature clean-up: Removal of Tx diversity closed loop mode2	TEI5	R3	R3-050750
25.433	1113	1	Rel-5	5.12.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050793
25.433	1114	1	Rel-6	6.5.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050794
25.433	1115	1	Rel-5	5.12.0	C	RP-050218	Approved	Feature Clean-up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R3	R3-050797
25.433	1116	1	Rel-6	6.5.0	C	RP-050218	Approved	Feature Clean-up: Removal of 80 ms TTI for DCH for all other cases but when the UE supports SF512	TEI5	R3	R3-050798
25.433	1117		Rel-5	5.12.0	C	RP-050220	Approved	Feature Clean-up: Removal of Support of dedicated pilot as sole phase reference	TEI5	R3	R3-050653
25.433	1118		Rel-6	6.5.0	C	RP-050220	Approved	Feature Clean-up: Removal of Support of dedicated pilot as sole phase reference	TEI5	R3	R3-050654
25.433	1119	1	Rel-5	5.12.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050805
25.433	1120	1	Rel-6	6.5.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050806
25.433	1121	1	Rel-6	6.5.0	F	RP-050229	Approved	Correction on E-RGCH Sequence Signature	EDCH-IurIub	R3	R3-050700
25.433	1122	1	Rel-6	6.5.0	B	RP-050230	Approved	Introduction of Bundling Feature	EDCH-IurIub	R3	R3-050703
25.433	1124	1	Rel-6	6.5.0	C	RP-050228	Approved	Synchronisation for MBMS p-t-m Transmissions	MBMS-RAN	R3	R3-050704

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								from Multiple Cells (Simulcast)			
25.433	1125	1	Rel-6	6.5.0	F	RP-050229	Approved	Alignment of NBAP with latest status of EUDCH stage 2 (TS 25.309) and RRC (TS 25.331)	EDCH-IurIub	R3	R3-050785
25.434	031		Rel-5	5.4.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050517
25.434	032		Rel-6	6.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050518
25.434	034		Rel-6	6.1.0	F	RP-050232	Approved	Coding of IP address in RANAP, RNSAP and NBAP messages	ETRAN-iptrans	R3	R3-050530
25.434	035		Rel-5	5.4.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050630
25.434	036		Rel-6	6.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050631
25.435	136		Rel-6	6.1.0	F	RP-050234	Approved	Correction to the range of TDD parameter in RACH DATA FRAME	TEI6	R3	R3-050483
25.435	137		Rel-5	5.7.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050519
25.435	138		Rel-6	6.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050520
25.435	139	1	Rel-5	5.7.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050722
25.435	140	1	Rel-6	6.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050723
25.435	141	1	Rel-6	6.1.0	B	RP-050235	Approved	Iub/Iur Enhancement for HS-DSCH Related to RLC Reset	TEI6	R3	R3-050815
25.435	142	1	Rel-6	6.1.0	B	RP-050235	Approved	Transport Network CongestionDetection and Control	TEI6	R3	R3-050763
25.450	004		Rel-5	5.1.0	F	RP-050217	Approved	Correction on use of SCCP connection for information exchange	TEI5	R3	R3-050717
25.450	005		Rel-5	6.0.0	A	RP-050217	Approved	Correction on use of SCCP connection for information exchange	TEI5	R3	R3-050718
25.453	081	1	Rel-6	5.10.0	F	RP-050217	Approved	Correction of deletion of Information Exchange Context	TEI5	R3	R3-050719
25.453	082	2	Rel-6	6.8.0	A	RP-050217	Approved	Correction of deletion of Information Exchange Context	TEI5	R3	R3-050826
25.461	013	1	Rel-6	6.2.0	F	RP-050237	Approved	DC power on sequence	RANimp-TiltAnt	R3	R3-050710
25.461	015		Rel-6	6.2.0	F	RP-050237	Approved	BS Modem and RET Modem Filtering	RANimp-TiltAnt	R3	R3-050777
25.461	016		Rel-6	6.2.0	F	RP-050237	Approved	BS Modem and RET modem spectrum emission mode	RANimp-TiltAnt	R3	R3-050778
25.461	017		Rel-6	6.2.0	F	RP-050237	Approved	BS modem and RET modem return loss at modem frequency	RANimp-TiltAnt	R3	R3-050779
25.461	018		Rel-6	6.2.0	F	RP-050237	Approved	Time delay clarification	RANimp-TiltAnt	R3	R3-050780
25.461	019		Rel-7	6.2.0	B	RP-050226	Approved	Introduction of UMTS2600 requirements	RInImp-UMTS2600	R3	R3-050808
25.463	031		Rel-6	6.2.0	F	RP-050237	Approved	Antenna Set Device Data	RANimp-TiltAnt	R3	R3-050412
25.463	032		Rel-6	6.2.0	D	RP-050237	Approved	Editorial Corrections to 25.463	RANimp-TiltAnt	R3	R3-050413
25.463	034		Rel-7	6.2.0	B	RP-050226	Approved	Introduction of UMTS 2.6 GHz frequency band definition	RInImp-UMTS2600	R3	R3-050415
25.463	035		Rel-6	6.2.0	F	RP-050237	Approved	Clarification of Tilt	RANimp-TiltAnt	R3	R3-050416
25.463	036		Rel-6	6.2.0	F	RP-050237	Approved	Definition of "empty string"	RANimp-TiltAnt	R3	R3-050417

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.463	037		Rel-6	6.2.0	F	RP-050237	Approved	Improvement of Annex B	RANimp-TiltAnt	R3	R3-050418
25.463	038		Rel-6	6.2.0	B	RP-050238	Approved	Vendor specific procedure	RANimp-TiltAnt	R3	R3-050453
25.463	039	2	Rel-6	6.2.0	F	RP-050237	Approved	Set Tilt Correction	RANimp-TiltAnt	R3	R3-050776
25.463	043	3	Rel-6	6.2.0	F	RP-050237	Approved	Parallel procedure handling	RANimp-TiltAnt	R3	R3-050766
25.463	048		Rel-6	6.2.0	F	RP-050237	Approved	Forward and backward compatibility clarification	RANimp-TiltAnt	R3	R3-050669
25.922	0032	-	Rel-6	6.0.1	C	RP-050307	Approved	Feature Clean Up: Removal of SSDT	TEI5	R2	R2-051603
25.931	026	1	Rel-5	5.1.0	F	RP-050217	Approved	HS-DSCH Mobility procedures	TEI5	R3	R3-050692
25.931	027	1	Rel-6	6.1.0	A	RP-050217	Approved	HS-DSCH Mobility procedures	TEI5	R3	R3-050693
25.931	028		Rel-5	5.1.0	C	RP-050223	Approved	Feature Cleanup: Removal of DRAC	TEI5	R3	R3-050497
25.931	029		Rel-6	6.1.0	C	RP-050223	Approved	Feature Cleanup: Removal of DRAC	TEI5	R3	R3-050498
25.931	030	1	Rel-6	6.1.0	B	RP-050230	Approved	Introduction of E-DCH scenarios	EDCH-IurIub	R3	R3-050770
25.931	031	1	Rel-6	6.1.0	F	RP-050227	Approved	Updates of MBMS scenarios	MBMS-RAN	R3	R3-050713
25.931	032		Rel-5	5.1.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050659
25.931	033		Rel-6	6.1.0	C	RP-050219	Approved	Feature Clean-up: Removal of SSDT	TEI5	R3	R3-050660
25.931	035		Rel-5	5.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050739
25.931	036		Rel-6	6.1.0	C	RP-050225	Approved	Feature Cleanup: Removal of CPCH	TEI5	R3	R3-050740
25.931	037		Rel-5	5.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050741
25.931	038		Rel-6	6.1.0	C	RP-050222	Approved	Feature clean-up: Removal of DSCH (FDD mode)	TEI5	R3	R3-050742
25.993	0038	-	Rel-6	6.9.0	B	RP-050325	Approved	Introduction of fixed DTX positions for I/B RAB combinations	TEI	R2	R2-051206
25.993	0039	-	Rel-6	6.9.0	F	RP-050325	Approved	Inclusion of HSDPA RABs already defined in 34.108	HSDPA-L23	R2	R2-051531
25.993	0040	-	Rel-6	6.9.0	F	RP-050321	Approved	CCCH message enhancements	TEI6	R2	R2-051651
25.993	0041	-	Rel-6	6.9.0	F	RP-050325	Approved	Introduction of Streaming RABs over HSDPA	HSDPA-L23	R2	R2-051187
34.108	399		Rel-5	5.4.0	F	RP-050267	Approved	Additional call setup procedures for inter RAT RRM testing	TEI	R5	R5-050618
34.108	400		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108: Correction to RADIO BEARER SETUP message for BTFD RMC	TEI	R5	R5-050704
34.108	401		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108: Correction to reference radio conditions for GSM	TEI	R5	R5-050811
34.108	402		Rel-5	5.4.0	F	RP-050267	Approved	Addition of RADIO BEARER SETUP Messages for Auxiliary Measurement	TEI	R5	R5-050856
34.108	403		Rel-5	5.4.0	B	RP-050349	Approved	Addition of GPS scenario and assistance data for A-GPS performance tests in 34.108	TEI	R5	R5-050836
34.108	404		Rel-5	5.4.0	F	RP-050267	Approved	CR 34.108 Addition of specific message content to A-GPS performance test procedures in clause 7.5	TEI	R5	R5-050709
34.108	405		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108 Rel-5: Clarification of generic setup procedures in section 7.3.4	TEI	R5	R5-050663
34.108	406		Rel-5	5.4.0	F	RP-050267	Approved	Removal of TGPL2	TEI	R5	R5-050513
34.108	407		Rel-5	5.4.0	F	RP-050267	Approved	Addition of compressed mode pattern for Inter Frequency FDD measurement & Inter RAT measurement GSM	TEI	R5	R5-050525

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
34.108	408		Rel-5	5.4.0	F	RP-050267	Approved	Correction to MIB, PLMN and Cell Value Tag Value Definition to 34.108	TEI	R5	R5-050608
34.108	409		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108 Rel-5: Corrections to the contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD) in section 6.1.0b	TEI	R5	R5-050613
34.108	410		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108 Rel-5: Corrections to the usage of 'Cell info' IE in System Information Block type 11 in section 6.1.4 for TDD cell	TEI	R5	R5-050619
34.108	411		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108 Rel-5: Corrections to the contents of System Information Block type 5 (1.28 Mcps TDD)	TEI	R5	R5-050620
34.108	412		Rel-5	5.4.0	F	RP-050267	Approved	Update to clause 8 Test USIM Parameters	TEI	R5	R5-050638
34.108	413		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108 Rel-5: Update of SIB3, SIB4, SIB11 and SIB12 for TDD in section 6.1.0b	TEI	R5	R5-050662
34.108	414		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108: Correction to TFCS	TEI	R5	R5-050677
34.108	415		Rel-5	5.4.0	F	RP-050267	Approved	CR to TS34.108 Rel-5; Correction to the physical channel parameter	TEI	R5	R5-050724
34.108	416		Rel-5	5.4.0	F	RP-050267	Approved	Correction to default SIB configurations	TEI	R5	R5-050947
34.108	417		Rel-5	5.4.0	F	RP-050267	Approved	CR to 34.108: Missing Rel-5 IE's in the default Radio Bearer Setup message at section 9.1.1.	TEI	R5	R5-050600
34.108	418		Rel-5	5.4.0	F	RP-050267	Approved	CR to TS34.108 Rel-5; Clarification of the reference TFCS for three RB multiplexing option (condition A9)	TEI	R5	R5-050913
34.108	419		Rel-5	5.4.0	F	RP-050268	Approved	Addition of new HSDPA Streaming RAB configurations	TEI	R5	R5-050880
34.108	420		Rel-5	5.4.0	F	RP-050268	Approved	CR to 34.108 Rel-5: Content Correction of RRC CONNECTION SETUP message for LCR TDD in 9.1.2	TEI	R5	R5-050585
34.108	421		Rel-5	5.4.0	F	RP-050268	Approved	Add Default RADIO BEARER RELEASE message (3.84 Mcps TDD)	TEI	R5	R5-050680
34.108	422		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM (3.84 Mcps TDD)	TEI	R5	R5-050681
34.108	423		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of RADIO BEARER RECONFIGURATION message: AM or UM (3.84 Mcps TDD)	TEI	R5	R5-050682
34.108	424		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM (3.84 Mcps TDD)	TEI	R5	R5-050683
34.108	425		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM (3.84 Mcps TDD)	TEI	R5	R5-050684
34.108	426		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM (3.84	TEI	R5	R5-050685

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								Mcps TDD)			
34.108	427		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM (3.84 Mcps TDD)	TEI	R5	R5-050686
34.108	428		Rel-5	5.4.0	F	RP-050268	Approved	Add Default Contents of MEASUREMENT REPORT message: AM (intra/inter-frequency measurement (3.84 Mcps TDD)	TEI	R5	R5-050956
34.108	429		Rel-5	5.4.0	F	RP-050350	Approved	Corrections to section 10.7 and GPS data file for 34.108	TEI	R5	R5-050969
34.108	430		Rel-5	5.4.0	F	RP-050268	Approved	Correction to RADIO BEARER SETUP message for HSDPA RF testing	TEI	R5	R5-050879
34.109	0035		Rel-5	5.4.0	F	RP-050301	Approved	Clarification of loopback behaviour for uni-directional radio bearers	HSDPA-L23	R2	R2-051537
34.109	0036		Rel-6	6.0.0	A	RP-050301	Approved	Clarification of loopback behaviour for uni-directional radio bearers	HSDPA-L23	R2	R2-051538
34.121	525		Rel-6	6.0.0	F	RP-050269	Approved	CR to 34.121: Correction to operating conditions for TCs: 5.13.1, 5.13A.1 & 5.13.2	TEI	R5	R5-050671
34.121	526		Rel-6	6.0.0	F	RP-050269	Approved	Removal of TGPL2	TEI	R5	R5-050842
34.121	527		Rel-6	6.0.0	F	RP-050269	Approved	Clarification of the interfering signal in 6.5 Blocking Characteristics and 6.7 Intermodulation Characteristics	TEI	R5	R5-050816
34.121	528		Rel-6	6.0.0	F	RP-050269	Approved	Addition of test tolerances to TC 7.11	TEI	R5	R5-050615
34.121	529		Rel-6	6.0.0	F	RP-050269	Approved	Correction to 7.7.2 Combining of TPC commands from radio links of different radio link sets	TEI	R5	R5-050820
34.121	530		Rel-6	6.0.0	F	RP-050269	Approved	Clarification of TS34.121 Closed Loop Transmit Diversity test cases	TEI	R5	R5-050833
34.121	531		Rel-6	6.0.0	F	RP-050269	Approved	CR to 34.121: Clarification of Annex C.6 for BLER measurement configurations	TEI	R5	R5-050843
34.121	532		Rel-6	6.0.0	F	RP-050269	Approved	Change of 34.121 test case 7.8.2	TEI	R5	R5-050850
34.121	533		Rel-6	6.0.0	F	RP-050269	Approved	Correction to TS34.121 TC 8.6.1.2	TEI	R5	R5-050571
34.121	534		Rel-6	6.0.0	F	RP-050269	Approved	Correction to TS34.121 TC 8.7.6.1	TEI	R5	R5-050573
34.121	535		Rel-6	6.0.0	F	RP-050269	Approved	Corrections to test cases having power control ON.	TEI	R5	R5-050652
34.121	536		Rel-6	6.0.0	F	RP-050269	Approved	Correction to TS34.121 TC 8.6.1.3	TEI	R5	R5-050822
34.121	537		Rel-6	6.0.0	F	RP-050269	Approved	Modification of call setup procedure for inter-RAT connected state RRM tests	TEI	R5	R5-050823
34.121	538		Rel-6	6.0.0	F	RP-050269	Approved	Addition of test tolerances and corrections for 8.6.2.2 Correct reporting of neighbours in fading propagation condition	TEI	R5	R5-050825
34.121	539		Rel-6	6.0.0	F	RP-050269	Approved	CR to 34.121: GSM band corrections	TEI	R5	R5-050829
34.121	540		Rel-6	6.0.0	F	RP-050269	Approved	Statistical approach for 8.7.3A GSM Carrier RSSI	TEI	R5	R5-050837
34.121	541		Rel-6	6.0.0	F	RP-050269	Approved	CR to 34.121 Rel-6; Update of the MEASUREMENT REPORT message to RRC	TEI	R5	R5-050821

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								release 5			
34.121	542		Rel-6	6.0.0	F	RP-050269	Approved	CR to 34.121: Corrections to Annex C and Annex E	TEI	R5	R5-050830
34.121	543		Rel-6	6.0.0	F	RP-050269	Approved	CR to TC 5.9 Spectrum emission mask	TEI	R5	R5-050814
34.121	544		Rel-6	6.0.0	F	RP-050269	Approved	Clarifications of TS34.121 section 9.1	TEI	R5	R5-050575
34.121	545		Rel-6	6.0.0	D	RP-050270	Approved	Editorial correction to TS34.121 TC 9.3.2	TEI	R5	R5-050718
34.121	546		Rel-6	6.0.0	F	RP-050270	Approved	CR to 34.121: Addition of a new annex section for uplink Reference Measurement Channel for testing of UE Transmitter Characteristics with HS-DPCCH.	HSDPA	R5	R5-050841
34.121	547		Rel-6	6.0.0	F	RP-050270	Approved	CR to 34.121: New test case for HS-DPCCH.	HSDPA	R5	R5-050860
34.121	548		Rel-6	6.0.0	F	RP-050270	Approved	Correction to 9.2.1 Single Link Performance in 9.2 Demodulation of HS-DSCH	TEI	R5	R5-050864
34.121	549		Rel-6	6.0.0	F	RP-050270	Approved	Corrections to TC 7.12, detection of acquisition indicator (AI)	TEI	R5	R5-050819
34.121	550		Rel-6	6.0.0	F	RP-050270	Approved	Corrections to test tolerances in TC 7.8.2	TEI	R5	R5-050847
34.121	551		Rel-6	6.0.0	F	RP-050270	Approved	OCNS for TX diversity	TEI	R5	R5-050859
34.121	552		Rel-6	6.0.0	F	RP-050270	Approved	Correction to ”Read SFN indicator” in Measurement Control Messages in 8.3.2.2	TEI	R5	R5-050863
34.121	553		Rel-6	6.0.0	F	RP-050270	Approved	Corrections to TC 5.4.1 and 5.5.2 due to too low S-CCPCH level	TEI	R5	R5-050614
34.121	554		Rel-6	6.0.0	F	RP-050270	Approved	Changes to 8.3.1 FDD/FDD Soft Handover.	TEI	R5	R5-050877
34.123-1	1139		Rel-5	5.11.1	F	RP-050271	Approved	Correction to Package 2 IR_U test case 6.2.2.1	TEI	R5	R5-050636
34.123-1	1140		Rel-5	5.11.1	F	RP-050271	Approved	CR to 34.123-1: Addition of test frequencies for Band V and VI for idle mode testing	TEI	R5	R5-050748
34.123-1	1141		Rel-5	5.11.1	F	RP-050271	Approved	Correction to GCF WI-10 Idle Mode Test Cases 6.1.1.7 and 6.1.2.8	TEI	R5	R5-050791
34.123-1	1142		Rel-5	5.11.1	F	RP-050271	Approved	FDD_Qmin values in cell reselection test cases 6.2.2.2 and 6.2.2.3	TEI	R5	R5-050807
34.123-1	1143		Rel-5	5.11.1	F	RP-050271	Approved	CR to 34.123-1 Rel-5; New cell reselection test case on HCS inter-frequency cell reselection	TEI	R5	R5-050966
34.123-1	1144		Rel-5	5.11.1	F	RP-050271	Approved	Correction to Package 2 RRC test case 8.1.10.1	TEI	R5	R5-050504
34.123-1	1145		Rel-5	5.11.1	F	RP-050271	Approved	Correction to RRC test case 8.1.1.9 (GCF Work Item 12)	TEI	R5	R5-050523
34.123-1	1146		Rel-5	5.11.1	F	RP-050271	Approved	Correcting initial conditions of Inter-RAT test cases 8.1.2.12 and 8.1.2.13	TEI	R5	R5-050545
34.123-1	1147		Rel-5	5.11.1	F	RP-050271	Approved	Corrections to P4 RRC test case 8.1.3.9	TEI	R5	R5-050607
34.123-1	1148		Rel-5	5.11.1	F	RP-050271	Approved	Correction to MIB, PLMN and Cell Value Tag Value Definition to 8.1	TEI	R5	R5-050609
34.123-1	1149		Rel-5	5.11.1	B	RP-050271	Approved	Addition of new Rel-5 RRC test cases to 34.123-1 for RRC Connection establishment using Default Radio Configurations	TEI	R5	R5-050914
34.123-1	1150		Rel-5	5.11.1	F	RP-050271	Approved	Correction to RRC test case 8.1.1.10 (GCF Work	TEI	R5	R5-050915

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								Item 12)			
34.123-1	1151		Rel-5	5.11.1	F	RP-050271	Approved	Correction to RRC Package 2 testcase 8.2.2.9	TEI	R5	R5-050555
34.123-1	1152		Rel-5	5.11.1	F	RP-050271	Approved	CR to 34.123-1 Rel-5; Correction to SRNS relocation test case 8.2.2.43	TEI	R5	R5-050623
34.123-1	1153		Rel-5	5.11.1	F	RP-050271	Approved	Correction to P4 RRC test case 8.2.6.38	TEI	R5	R5-050637
34.123-1	1154		Rel-5	5.11.1	F	RP-050271	Approved	Correction to Package 4 RRC test case 8.2.6.12	TEI	R5	R5-050766
34.123-1	1155		Rel-5	5.11.1	F	RP-050271	Approved	Correction to GCF WI-10 RRC Test Cases 8.2.4.10	TEI	R5	R5-050789
34.123-1	1156		Rel-5	5.11.1	F	RP-050271	Approved	Removal of TGPL2 from section 8.2	TEI	R5	R5-050928
34.123-1	1157		Rel-5	5.11.1	D	RP-050271	Approved	Correction of table number in Test 8.2.3.24	TEI	R5	R5-050653
34.123-1	1158		Rel-5	5.11.1	F	RP-050271	Approved	Correction to Package 2 RRC test case 8.3.1.21	TEI	R5	R5-050505
34.123-1	1159		Rel-5	5.11.1	F	RP-050272	Approved	Correction to Package 4 Inter system cell reselection test case 8.3.9.1	TEI	R5	R5-050506
34.123-1	1160		Rel-5	5.11.1	D	RP-050272	Approved	Correction to GCF WI-10 RRC Test Cases 8.3.1.3	TEI	R5	R5-050589
34.123-1	1161		Rel-5	5.11.1	F	RP-050272	Approved	Updation of Table 8.3.7-1 in section 8.3.7	TEI	R5	R5-050596
34.123-1	1162		Rel-5	5.11.1	F	RP-050272	Approved	Correction to MIB, PLMN and Cell Value Tag Value Definition to 8.3	TEI	R5	R5-050610
34.123-1	1163		Rel-5	5.11.1	F	RP-050272	Approved	Correction to RRC test case 8.3.11.4 (WI-010)	TEI	R5	R5-050612
34.123-1	1164		Rel-5	5.11.1	F	RP-050272	Approved	Correction to GCF WI-010 test cases 8.3.1.10 and 8.3.2.4	TEI	R5	R5-050635
34.123-1	1165		Rel-5	5.11.1	F	RP-050272	Approved	CR to 34.123-1: Correction to GCF WI-012 RRC test case 8.3.1.30.	TEI	R5	R5-050754
34.123-1	1166		Rel-5	5.11.1	F	RP-050272	Approved	Correction to RRC test case 8.3.1.18 (WI-010)	TEI	R5	R5-050784
34.123-1	1167		Rel-5	5.11.1	F	RP-050272	Approved	Correction to RRC test cases 8.3.4.1, 8.3.4.2 (P1), 8.3.4.8 (WI-12), 8.3.4.4, 8.3.4.5 (Low priority)	TEI	R5	R5-050790
34.123-1	1168		Rel-5	5.11.1	F	RP-050272	Approved	Corrections to GCF WI-010 (P4) approved test case 8.3.7.5	TEI	R5	R5-050800
34.123-1	1169		Rel-5	5.11.1	F	RP-050272	Approved	Correction to GCF WI-10 RRC Test Cases 8.3.7.13	TEI	R5	R5-050926
34.123-1	1170		Rel-5	5.11.1	F	RP-050272	Approved	Removal of TGPL2 for section 8.3	TEI	R5	R5-050927
34.123-1	1171		Rel-5	5.11.1	F	RP-050272	Approved	Correction to RRC Package 4 testcase 8.3.1.18	TEI	R5	R5-050930
34.123-1	1172		Rel-5	5.11.1	F	RP-050272	Approved	Correction to Package 4 Inter-system handover test case 8.3.7.12	TEI	R5	R5-050931
34.123-1	1173		Rel-5	5.11.1	D	RP-050272	Approved	Correction to GCF WI-10 Inter-RAT Test Case 8.3.7.12	TEI	R5	R5-050932
34.123-1	1174		Rel-5	5.11.1	F	RP-050272	Approved	Correction to Package 3 RRC test case 8.3.2.13	TEI	R5	R5-050937
34.123-1	1175		Rel-5	5.11.1	B	RP-050272	Approved	Addition of new Rel-5 RRC test cases to 34.123-1 for Inter-RAT Network Assisted Cell Change	TEI	R5	R5-050940
34.123-1	1176		Rel-5	5.11.1	B	RP-050272	Approved	Addition of new Rel-5 test cases for CELL_FACH and CELL_PCH state specific handling of Treselection and Qhyst parameters in cell reselection to 34.123-1	TEI	R5	R5-050942
34.123-1	1177		Rel-5	5.11.1	F	RP-050272	Approved	Correction to Package 3 RRC test case 8.3.1.23	TEI	R5	R5-050944
34.123-1	1178		Rel-5	5.11.1	F	RP-050272	Approved	Correction to Package 3 RRC test case 8.3.1.24	TEI	R5	R5-050945

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
34.123-1	1179		Rel-5	5.11.1	F	RP-050273	Approved	CR to 34.123-1 Rel-5: Addition of SIB 12 contents to section 8.3.9	TEI	R5	R5-050974
34.123-1	1180		Rel-5	5.11.1	F	RP-050273	Approved	CR to 34.123-1 Rel-5: Correction to WI-010 P4 IR_U test case 8.3.9.1	TEI	R5	R5-050978
34.123-1	1181		Rel-5	5.11.1	F	RP-050273	Approved	CR to 34.123-1 Rel-5: Correction to WI-010 P4 IR_U test case 8.3.9.5	TEI	R5	R5-050979
34.123-1	1182		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 IR_U Test Cases 8.3.7.12 (approved)	TEI	R5	R5-050934
34.123-1	1183		Rel-5	5.11.1	F	RP-050273	Approved	Correction to MIB, PLMN and Cell Value Tag Value Definition to 8.4	TEI	R5	R5-050611
34.123-1	1184		Rel-5	5.11.1	F	RP-050273	Approved	CR to 34.123-1 Rel-5; Removal of Release 5 test case 8.4.1.46	TEI	R5	R5-050624
34.123-1	1185		Rel-5	5.11.1	F	RP-050273	Approved	Corrections to GCF WI-010 (P2) approved test case 8.4.1.7	TEI	R5	R5-050634
34.123-1	1186		Rel-5	5.11.1	F	RP-050273	Approved	Correction to Package 4 RRC test case 8.4.1.41	TEI	R5	R5-050646
34.123-1	1187		Rel-5	5.11.1	F	RP-050273	Approved	CR to 34.123-1: Correction to GCF WI-012 RRC test case 8.4.1.6.	TEI	R5	R5-050753
34.123-1	1188		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 RRC Test Cases 8.4.1.29	TEI	R5	R5-050792
34.123-1	1189		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 RRC Test Cases 8.4.1.25	TEI	R5	R5-050794
34.123-1	1190		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 Inter-RAT Test Cases 8.4.1.31, 8.4.1.33, 8.4.1.34, 8.4.1.35, 8.4.1.36, 8.4.1.40 (Revision of R5-050598)	TEI	R5	R5-050795
34.123-1	1191		Rel-5	5.11.1	F	RP-050273	Approved	Removal of TGPL2 from section 8.4	TEI	R5	R5-050929
34.123-1	1192		Rel-5	5.11.1	F	RP-050273	Approved	Correction to Package 3 RRC test case 8.4.1.37	TEI	R5	R5-050935
34.123-1	1193		Rel-5	5.11.1	F	RP-050273	Approved	Clarification of Cell 3 CPICH level for “Measurement Control and Report: Intra-frequency measurement for transition from CELL_DCH to CELL_FACH state (FDD)”, Test 8.4.1.5	TEI	R5	R5-050642
34.123-1	1194		Rel-5	5.11.1	F	RP-050273	Approved	Correction to NAS MM test case 9.4.2.4 (GCF Work Item 12)	TEI	R5	R5-050524
34.123-1	1195		Rel-5	5.11.1	F	RP-050273	Approved	Corrections to low priority MM test case 9.4.5.4.3	TEI	R5	R5-050659
34.123-1	1196		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 NAS Test Cases 9.2.2	TEI	R5	R5-050936
34.123-1	1197		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-12 MM Test Case 9.4.3.3	TEI	R5	R5-050946
34.123-1	1198		Rel-5	5.11.1	F	RP-050273	Approved	Correction to GCF WI-10 NAS Test Case 9.4.1	TEI	R5	R5-050952
34.123-1	1199		Rel-5	5.11.1	F	RP-050274	Approved	Correction to NAS GMM test case 12.3.2.7 (GCF Work Item 12)	TEI	R5	R5-050509
34.123-1	1200		Rel-5	5.11.1	F	RP-050274	Approved	Correction to NAS GMM test case 12.9.9 (GCF Work Item 12)	TEI	R5	R5-050510
34.123-1	1201		Rel-5	5.11.1	F	RP-050274	Approved	Correction to GCF WI-10 RRC Test Case 12.2.2.1	TEI	R5	R5-050569
34.123-1	1202		Rel-5	5.11.1	F	RP-050274	Approved	CR to 34.123-1 : Correction to WI-012 GMM test case 12.3.2.8 Proc1	TEI	R5	R5-050755
34.123-1	1203		Rel-5	5.11.1	F	RP-050274	Approved	Correction to Package 4 NAS test case 12.2.1.5d	TEI	R5	R5-050780

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34.123-1	1204		Rel-5	5.11.1	F	RP-050274	Approved	Correction to GCF WI-10 NAS Test Cases 12.4.1.4d	TEI	R5	R5-050797
34.123-1	1205		Rel-5	5.11.1	F	RP-050274	Approved	Deletion of postamble of switch-off UE and detach in GMM test cases 12.3.x	TEI	R5	R5-050805
34.123-1	1206		Rel-5	5.11.1	F	RP-050274	Approved	CR to 34.123-1:Corrections to GCF WI-010 RAB TC 14.2.43.1 and GCF WI-012 RAB TC 14.2.43.2.	TEI	R5	R5-050949
34.123-1	1207		Rel-5	5.11.1	F	RP-050274	Approved	CR to 34.123-1:Correction to GCF WI-010 P3 RAB TC 14.2.58a	TEI	R5	R5-050950
34.123-1	1208		Rel-5	5.11.1	F	RP-050274	Approved	Correction to test requirement of radio bearer test cases for multi radio bearer combinations (Section 14)	TEI	R5	R5-050520
34.123-1	1209		Rel-5	5.11.1	D	RP-050274	Approved	Correction to GCF WI-10 SMS Test Cases 16.1.2, 16.1.9.1, 16.1.9.2 and 16.1.10	TEI	R5	R5-050798
34.123-1	1210		Rel-5	5.11.1	F	RP-050274	Approved	CR to 34.123-1 Rel-5: Correction to WI-010 SMS test cases 16.1.2, 16.1.10, 16.2.2 and 16.2.10	TEI	R5	R5-050951
34.123-1	1211		Rel-5	5.11.1	F	RP-050274	Approved	CR 34.123-1 Correction to A-GPS test case 17.2.4.10	TEI	R5	R5-050706
34.123-1	1212		Rel-5	5.11.1	F	RP-050274	Approved	CR 34.123-1 Correction to initial UE conditions for A-GPS MT-LR test cases	TEI	R5	R5-050708
34.123-1	1213		Rel-5	5.11.1	F	RP-050274	Approved	Clarifications and editorial changes to A-GPS test cases	TEI	R5	R5-050968
34.123-1	1214		Rel-5	5.11.1	F	RP-050274	Approved	Corrections to HSDPA radio bearer test cases	TEI	R5	R5-050563
34.123-1	1215		Rel-5	5.11.1	F	RP-050274	Approved	Correction to GCF WI-014 RRC HSDPA test case 8.2.1.27	TEI	R5	R5-050601
34.123-1	1216		Rel-5	5.11.1	F	RP-050274	Approved	Correction to GCF WI-014 RRC HSDPA test case 8.2.1.31	TEI	R5	R5-050603
34.123-1	1217		Rel-5	5.11.1	F	RP-050274	Approved	Correction to GCF WI-014 RRC HSDPA test case 8.2.4.36	TEI	R5	R5-050605
34.123-1	1218		Rel-5	5.11.1	F	RP-050274	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.2.6.39a.	TEI	R5	R5-050711
34.123-1	1219		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.32.	TEI	R5	R5-050712
34.123-1	1220		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.33.	TEI	R5	R5-050713
34.123-1	1221		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.34.	TEI	R5	R5-050714
34.123-1	1222		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.35.	TEI	R5	R5-050715
34.123-1	1223		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.36.	TEI	R5	R5-050716
34.123-1	1224		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1: Correction to GCF WI-014 RRC HSDPA test case 8.3.1.37.	TEI	R5	R5-050717

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34.123-1	1225		Rel-5	5.11.1	F	RP-050275	Approved	Correction to GCF WI-014 RRC HSDPA test case 8.2.1.28	TEI	R5	R5-050776
34.123-1	1226		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1Rel-5: Message Content Correction for TDD in 8.4.1.24	TEI	R5	R5-050580
34.123-1	1227		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1Rel-5: Message Content Correction for TDD in 8.4.1.25	TEI	R5	R5-050581
34.123-1	1228		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1Rel-5: Message Content Correction for TDD in 8.4.1.26	TEI	R5	R5-050582
34.123-1	1229		Rel-5	5.11.1	F	RP-050275	Approved	CR to 34.123-1Rel-5: To Delete Test Case 7.1.2.2.3 of LCR TDD	TEI	R5	R5-050925
34.123-1	1230		Rel-5	5.11.1	F	RP-050275	Approved	Correction of 8_4_1_2A for TDD	TEI	R5	R5-050688
34.123-1	1231		Rel-5	5.11.1	F	RP-050275	Approved	Correction to MAC test cases 7.1.3.2 to add HCR TDD	TEI	R5	R5-050689
34.123-1	1232		Rel-5	5.11.1	F	RP-050275	Approved	Correction to RRC test case 8.4.1.1A (TDD)	TEI	R5	R5-050691
34.123-1	1233		Rel-5	5.11.1	F	RP-050275	Approved	Correction to RRC test case 8.4.1.5A (TDD)	TEI	R5	R5-050693
34.123-1	1234		Rel-5	5.11.1	B	RP-050275	Approved	8.2.2.43 RRC test case on seamless SRNS relocation using Radio Bearer Reconfiguration add TDD content	TEI	R5	R5-050694
34.123-1	1235		Rel-5	5.11.1	F	RP-050275	Approved	Correction to 8.1.8.3 to add TDD to step 2	TEI	R5	R5-050695
34.123-1	1236		Rel-5	5.11.1	F	RP-050275	Approved	Add TDD to RRC test case 8.3.11.4	TEI	R5	R5-050696
34.123-1	1237		Rel-5	5.11.1	F	RP-050275	Approved	Correction to RAB test case 18.2.2.34.1	TEI	R5	R5-050698
34.123-1	1238		Rel-5	5.11.1	F	RP-050275	Approved	Correct RAB test case 18.2.5.2a Poll_SDU value (TDD)	TEI	R5	R5-050699
34.123-1	1239		Rel-5	5.11.1	F	RP-050276	Approved	Tests for HCR TDD RAB combinations #38 thru #61	TEI	R5	R5-050700
34.123-1	1240		Rel-5	5.11.1	F	RP-050276	Approved	Add TDD to RRC test case 8.4.1.33	TEI	R5	R5-050957
34.123-1	1241		Rel-5	5.11.1	F	RP-050276	Approved	Correction to Package 4 RRC test case 8.4.1.26 to change TDD content	TEI	R5	R5-050958
34.123-1	1242		Rel-5	5.11.1	F	RP-050276	Approved	Correction RRC test case 8.4.1.7A (TDD)	TEI	R5	R5-050959
34.123-1	1243		Rel-5	5.11.1	F	RP-050276	Approved	Correction to Package 4 Inter system cell reselection test case 8.3.9.3	TEI	R5	R5-050954
34.123-1	1244		Rel-5	5.11.1	F	RP-050276	Approved	Correction to GCF WI-014 MAC-HS test case 7.1.5.1	TEI	R5	R5-050970
34.123-1	1245		Rel-5	5.11.1	F	RP-050276	Approved	Correction to GCF WI-014 MAC-HS test case 7.1.5.4	TEI	R5	R5-050971
34.123-1	1246		Rel-5	5.11.1	F	RP-050276	Approved	Correction to GCF WI-014 MAC-HS test case 7.1.5.5	TEI	R5	R5-050972
34.123-1	1247		Rel-5	5.11.1	F	RP-050276	Approved	Correction to GCF WI-10 NAS Test Cases 12.2.1.2, 12.2.1.5a Proc 1, 12.2.1.5a Proc 2, 12.3.2.7, 12.4.1.2 and 12.6.1.2	TEI	R5	R5-050985
34.123-1	1248		Rel-5	5.11.1	F	RP-050276	Approved	CR to 34.123-1 Rel-5: Correction to WI-012 RLC test case 7.2.3.28	TEI	R5	R5-050876

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34.123-1	1249		Rel-5	5.11.1	F	RP-050276	Approved	Corrections to WI-10 P4 approved GMM test case 12.2.1.5a Test Procedures 1 & 2	TEI	R5	R5-050878
34.123-2	198		Rel-5	5.11.0	F	RP-050277	Approved	CR 34.123-2 Correction to A-GPS test case 17.2.4.10 Applicability	TEI	R5	R5-050707
34.123-2	199		Rel-5	5.11.0	F	RP-050277	Approved	New PICS values	TEI	R5	R5-050546
34.123-2	200		Rel-5	5.11.0	F	RP-050277	Approved	CR to 34.123-2 Rel-5: To Delete the Test Case 7.1.2.2.3 of LCR TDD in Applicability Table	TEI	R5	R5-050584
34.123-2	201		Rel-5	5.11.0	F	RP-050277	Approved	Addition of new HCS cell reselection test case to the applicability table	TEI	R5	R5-050768
34.123-2	202		Rel-5	5.11.0	B	RP-050277	Approved	Applicability table for new Rel-5 RRC test cases for RRC Connection establishment using Default Radio Configurations.	TEI	R5	R5-050921
34.123-2	203		Rel-5	5.11.0	B	RP-050277	Approved	Applicability table for new Rel-5 test cases for Inter-RAT Network Assisted Cell Change.	TEI	R5	R5-050941
34.123-2	204		Rel-5	5.11.0	B	RP-050277	Approved	Applicability table for new Rel-5 test cases for CELL_FACH and CELL_PCH state specific handling of Treselection and Qhyst parameters in cell reselection	TEI	R5	R5-050943
34.123-2	205		Rel-5	5.11.0	F	RP-050277	Approved	Update to applicability table to the title of test case 8.3.9.3	TEI	R5	R5-050962
34.123-3	1270		Rel-5	5.0.0	B	RP-050365	Approved	Addition of NAS WI 12 test case 12.3.2.7 to NAS ATS V5.0.0	TEI	R5	R5s050128
34.123-3	1271		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 NAS test case 12.9.7a to NAS ATS V5.0.0	TEI	R5	R5s050134
34.123-3	1272		Rel-5	5.0.0	B	RP-050365	Approved	Addition of NAS WI 12 test case 12.9.9 to NAS ATS V3.8.0	TEI	R5	R5s050080
34.123-3	1273		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-010 P3 RAB test case 14.2.43.1 to RAB ATS V5.0.0	TEI	R5	R5s050100
34.123-3	1274		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 RAB test case 14.2.43.2 to RAB ATS V5.0.0	TEI	R5	R5s050098
34.123-3	1275		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 RAB test case 14.2.58a to RAB ATS V5.0.0	TEI	R5	R5s050096
34.123-3	1276		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 RLC test case 7.2.3.28 to RLC ATS V3.8.0	TEI	R5	R5s050066
34.123-3	1277		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 RLC test case 7.2.3.32 to RLC ATS V3.8.0	TEI	R5	R5s050068
34.123-3	1278		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 RLC test case 7.2.3.35 to RLC ATS V3.8.0	TEI	R5	R5s050070
34.123-3	1279		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI12 test case 8.1.1.9 to RRC ATS v5.0.0 (Revision of R5s050125)	TEI	R5	R5s050141
34.123-3	1280		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI12 test cases 8.1.2.11 to RRC ATS v3.8.0	TEI	R5	R5s050074

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34.123-3	1281		Rel-5	5.0.0	B	RP-050365	Approved	Addition of RRC WI-012 test case 8.3.1.30 to RRC ATS V5.0.0	TEI	R5	R5s050138
34.123-3	1282		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 test case 8.3.7.16 to IR_U ATS 3.8.0.	TEI	R5	R5s050076
34.123-3	1283		Rel-5	5.0.0	B	RP-050365	Approved	Regression changes on TC 8.3.9.5 – WK09	TEI	R5	R5s050112
34.123-3	1284		Rel-5	5.0.0	B	RP-050365	Approved	Addition of RRC WI-012 test case 8.4.1.6 to RRC ATS V5.0.0	TEI	R5	R5s050132
34.123-3	1285		Rel-5	5.0.0	B	RP-050365	Approved	Addition of WI-012 NAS test case 9.4.5.4.6 to NAS ATS V5.0.0	TEI	R5	R5s050136
34.123-3	1286		Rel-5	5.0.0	B	RP-050365	Approved	Addition of NAS P4 test case 12.4.1.4c Proc1 to NAS ATS V5.0.0	TEI	R5	R5s050170
34.123-3	1287		Rel-5	5.0.0	B	RP-050365	Approved	Revision and Addition of WI-10 (P2) test cases 6.2.2.2 to IR_U ATS v5.0.0	TEI	R5	R5s050173
34.123-3	1289		Rel-5	5.0.0	F	RP-050281	Approved	Summary of regression errors for IR_U_r3_wk17.	TEI	R5	R5s050146
34.123-3	1290		Rel-5	5.0.0	F	RP-050281	Approved	Correction to Approved RRC Package 4 TC 8.4.1.40	TEI	R5	R5s050169
34.123-3	1291		Rel-5	5.0.0	F	RP-050281	Approved	Correction of a missing LB entity in LB setup introduced in Rel-5 in the definition of CLOSE UE TEST LOOP	TEI	R5	R5s050168
34.123-3	1292		Rel-5	5.0.0	F	RP-050281	Approved	Correction to approved testcase 8.2.2.4 and 8.2.4.4	TEI	R5	R5s050165
34.123-3	1293		Rel-5	5.0.0	F	RP-050281	Approved	Summary of additional regression errors in the wk17 ATS.	TEI	R5	R5s050166
34.123-3	1294		Rel-5	5.0.0	F	RP-050281	Approved	Correction to approved testcase 8.2.1.9	TEI	R5	R5s050163
34.123-3	1295		Rel-5	5.0.0	F	RP-050281	Approved	Correction in TTCN to support Band II UE for UE capability Information	TEI	R5	R5s050167
34.123-3	1296		Rel-5	5.0.0	F	RP-050281	Approved	Correction to value of periodic RA update timer IE in Attach Accept message	TEI	R5	R5s050152
34.123-3	1297		Rel-5	5.0.0	F	RP-050281	Approved	Correction to Order of AT commands used for initiation of PS call	TEI	R5	R5s050153
34.123-3	1298		Rel-5	5.0.0	F	RP-050281	Approved	Correction to approved testcase 8.1.7.1b	TEI	R5	R5s050154
34.123-3	1299		Rel-5	5.0.0	F	RP-050281	Approved	Regression Error Report based on wk17ATS	TEI	R5	R5s050164
34.123-3	1300		Rel-5	5.0.0	F	RP-050281	Approved	Correction in TTCN to enable ciphering for 3G to 2G handover.	TEI	R5	R5s050149
34.123-3	1301		Rel-5	5.0.0	F	RP-050281	Approved	Correction to approved RRC testcases 8.1.3.3 and 8.1.3.4	TEI	R5	R5s050148
34.123-3	1302		Rel-5	5.0.0	F	RP-050281	Approved	Correction to GCF WI-10 test case 8.4.1.3	TEI	R5	R5s050140
34.123-3	1303		Rel-5	5.0.0	F	RP-050281	Approved	Corrections to WI-010 P3 RAB test cases 14.2.12, 14.2.16 & 14.2.17	TEI	R5	R5s050127
34.123-3	1304		Rel-5	5.0.0	F	RP-050281	Approved	Correction required for WI-010 P3 RAB Testcase 14.2.38c.	TEI	R5	R5s050124
34.123-3	1305		Rel-5	5.0.0	F	RP-050281	Approved	Correction to GCF Package 3 RRC test case	TEI	R5	R5s050123

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								8.3.1.24			
34.123-3	1306		Rel-5	5.0.0	F	RP-050281	Approved	Summary of additional regression errors in the wk09 ATS.	TEI	R5	R5s050116
34.123-3	1307		Rel-5	5.0.0	F	RP-050281	Approved	Correction to approved RRC Package 4 TC 8.3.1.18	TEI	R5	R5s050117
34.123-3	1308		Rel-5	5.0.0	F	RP-050281	Approved	Correction to WI-12 Test Case 8.3.7.16	TEI	R5	R5s050115
34.123-3	1309		Rel-5	5.0.0	F	RP-050282	Approved	Correction to RRC P3 TC 8.3.2.13	TEI	R5	R5s050113
34.123-3	1310		Rel-5	5.0.0	F	RP-050282	Approved	Regression Error Report based on wk09 ATS	TEI	R5	R5s050114
34.123-3	1311		Rel-5	5.0.0	F	RP-050282	Approved	Summary of regression errors for IR_U_wk09.	TEI	R5	R5s050110
34.123-3	1312		Rel-5	5.0.0	F	RP-050282	Approved	Correction to RRC P2 TC 8.3.1.21	TEI	R5	R5s050111
34.123-3	1313		Rel-5	5.0.0	F	RP-050282	Approved	Correction to Approved NAS Package 4 TC 12.4.1.4a	TEI	R5	R5s050109
34.123-3	1314		Rel-5	5.0.0	F	RP-050283	Approved	Summary of regression errors in the wk09 ATS.	TEI	R5	R5s050106
34.123-3	1315		Rel-5	5.0.0	F	RP-050282	Approved	Correction for the MM test step “ts_GMM_RAU_AcceptEPLMN”	TEI	R5	R5s050105
34.123-3	1316		Rel-5	5.0.0	F	RP-050282	Approved	Correction to SMS Test Suite for AT Commands	TEI	R5	R5s050104
34.123-3	1317		Rel-5	5.0.0	F	RP-050282	Approved	Changes required to support Release 5	TEI	R5	R5s050095
34.123-3	1318		Rel-5	5.0.0	F	RP-050282	Approved	Correction to approved package WI-12 NAS Test case 9_5_7_2	TEI	R5	R5s050103
34.123-3	1319		Rel-5	5.0.0	F	RP-050283	Approved	Correction to approved testcase 8.1.10.1	TEI	R5	R5s050102
34.123-3	1320		Rel-5	5.0.0	F	RP-050282	Approved	Handling of L2 Acknowledgement on GERAN side.	TEI	R5	R5s050094
34.123-3	1321		Rel-5	5.0.0	F	RP-050282	Approved	Correction to Approved RRC Package 4 TC 8.3.1.18	TEI	R5	R5s050093
34.123-3	1322		Rel-5	5.0.0	F	RP-050282	Approved	Correction to IR_U P4 Approved test case 8.3.11.4	TEI	R5	R5s050091
34.123-3	1323		Rel-5	5.0.0	F	RP-050282	Approved	Summary of iWD_07 regression test errors	TEI	R5	R5s050078
34.123-3	1324		Rel-5	5.0.0	F	RP-050282	Approved	Corrections to section 16 SMS test cases to improve AT command handling	TEI	R5	R5s050090
34.123-3	1325		Rel-5	5.0.0	F	RP-050282	Approved	Correction to approved GCF P4 test cases 8.1.7.1c	TEI	R5	R5s050086
34.123-3	1326		Rel-5	5.0.0	F	RP-050282	Approved	Summary of regression errors in the wk07 ATS.	TEI	R5	R5s050088
34.123-3	1327		Rel-5	5.0.0	F	RP-050282	Approved	Correction to approved NAS WI 12 test case 12.4.1.5.	TEI	R5	R5s050083
34.123-3	1328		Rel-5	5.0.0	F	RP-050282	Approved	Correction to approved GCF P4 test cases 8.1.7.1d	TEI	R5	R5s050087
34.123-3	1329		Rel-5	5.0.0	F	RP-050282	Approved	Correction to approved package 2 NAS Test case 9_5_2	TEI	R5	R5s050082
34.123-3	1330		Rel-5	5.0.0	F	RP-050282	Approved	Correction to RRC P1 TC 8.4.1.1, 8.4.1.3 and P3 TC 8.4.1.29	TEI	R5	R5s050065
34.123-3	1331		Rel-5	5.0.0	B	RP-050365	Approved	Revision of RRC WI-14 test case 8.2.3.30 to RRC ATS v5.0.0	TEI	R5	R5s050179
34.123-3	1332		Rel-5	5.0.0	B	RP-050365	Approved	Addition of RRC WI-014 test case 8.2.4.36 to RRC ATS V5.0.0 (Revision of R5s050161)	TEI	R5	R5s050199
34.123-3	1333	1	Rel-5	5.0.0	F	RP-050366	Approved	Add new verified and e-mail approved TTCN test cases in the TC lists in 34.123-3 (prose), Annex A	TEI	R5	-

Spec	CR	Rev	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
34.123-3	1334		Rel-5	5.0.0	F	RP-050278	Approved	Correction to specification version references	TEI	R5	R5-050639
34.123-3	1335		Rel-5	5.0.0	F	RP-050278	Approved	Modifying AT Commands, ASPs, TSOs and PIXITs	TEI	R5	R5-050955
34.123-3	1336		Rel-5	5.0.0	F	RP-050278	Approved	HSDPA ASP Modification	TEI	R5	R5-050975
34.123-3	1337		Rel-5	5.0.0	F	RP-050278	Approved	Modifying G_L2_SYSINFO_REQ ASP	TEI	R5	R5-050980
34.123-3	1338		Rel-5	5.0.0	F	RP-050278	Approved	CR to 34.123-3 Rel-5: Addition of a new ASP required for test case tc_8_1_7_1d	TEI	R5	R5-050983
34.124	016	1	Rel-7	6.0.0	B	RP-050206	Approved	Introduction of UMTS2600 requirements	RInImp-UMTS2600	R4	R4-050557
34.124	017		Rel-6	6.0.0	F	RP-050208	Approved	Correction of receiver exclusion bands	TEI6	R4	R4-050377
34.902	1		Rel-5	5.0.0	F	RP-050284	Approved	CR to 34.902: Addition of test system uncertainties for Test Case: 8.6.2.2 Correct reporting of neighbours in fading propagation condition	TEI	R5	R5-050881
34.902	2		Rel-5	5.0.0	D	RP-050284	Approved	CR to TC 5.9 Spectrum emission mask	TEI	R5	R5-050882

Annex D: Summary of TSG RAN Work Items

RAN Work Items Update after meeting #28. RAN WG5 Work Items are not included.

Abbreviations used: %: Level of completion; WI: Work Item; SI: Study Item; Feat: Feature; BB: Building Block; FS: Feasibility Study; WT: Work Task; WIDS: WI Description Sheet

Type	WI Name	WI Code	Lead	%	Finish Date	Remarks
Feat	Rel-6 Improvements of Radio Interface	RInImp	RP			Generic feature
BB	Improved support of IMS Realtime Services using HSDPA/EDCH	RInImp-IMSRealTime	R2	15	December 2005	Status report in RP-050196
BB	Improved Receiver Performance Requirements for HSDPA	RInImp-HSPerf	R4		June 2005	
WT	Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8	RInImp-HSPerf-10code	R4	100	June 2005	Status report in RP-050183 WI completed
Feat	Rel-6 RAN improvements	RANimp	RP		March 2005	Generic feature
BB	RAB support enhancement	RANimp-RABSE	R2	100	June 2005	Status report in RP-050188 WI completed
BB	Introduction of MBMS in RAN	MBMS-RAN	R2		September 2005	
WT	UE Performance Requirements for MBMS	MBMS-RAN-RF	R4	40	September 2005	Status report in RP-050191
WT	UE Performance Requirements for MBMS (TDD)	MBMS-RAN-RF-TDD	R4	0	March 2006	Status report in RP-050195
Feat	FDD Enhanced Uplink	EDCH	RP		June 2005	RP-050192
BB	FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	R4	60	June 2005	Completion date moved from June 2005
Feat	Rel-7 Improvements of the Radio Interface	RInImp	RP		December 2005	
BB	UMTS 2.6 GHz	RInImp-UMTS2600	R4	100	June 2005	Status report in RP-050184 WI completed
BB	UMTS 2.6 GHz TDD	RInImp-UMTS2600TDD	R4	35	December 2005	Status report in RP-050185
BB	UMTS 900 MHz	RInImp-UMTS900	R4	30	December 2005	Status report in RP-050186
NEW WI	UMTS 1700 MHz	RInImp-UMTS1700	R4		December 2005	New Work Item, WIDS in RP-050385
BB	UE Antenna Performance Evaluation Method and Requirements	RInImp-UEAnt	R4	35	March 2006	Status report in RP-050187 Completion date moved from Sept 2005
New WI	Improved Performance Requirements for HSDPA UE based on Rx Diversity (type 1) & LMMSE equalizer (type 2)	RInImp-HSPerf-Type3	R4		March 2005	New Work Item, WIDS in RP-050362
Feat	Rel-7 RAN improvements	RANimp	RP		September 2005	

Type	WI Name	WI Code	Lead	%	Finish Date	Remarks
WT	Optimisation of channelisation code utilisation for 1.28 Mcps TDD	RANimp-RABSE-CodOptLCRTDD	R1	70	September 2005	Status report in RP-050189
BB	Delay optimisation for procedures applicable to CS and PS Connections	RANimp-DelayOpt	R2	0	March 2006	Status report in RP-050369 Used to be CS and PS call setup delay improvement WIDS modified in RP-050386 Completion date moved from Dec 2005
BB	UE positioning Rel-7	LCS3-UEpos	RP			Generic Block
WT	Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	LCS3-UEPos-UTDOA	R2	50	June 2006	Status report in RP-050190
New WI	LCS Enhancements Related to Location-Based Services	LCS3-UEPos-Velocity	R2		December 2005	New Work Item, WIDS in RP-050300
Feat	Multiple Input Multiple Output antennas (MIMO)	MIMO	R1		December 2005	
BB	MIMO - Physical layer	MIMO-Phys	R1	60	December 2005	
BB	MIMO - Layer 2,3 aspects	MIMO-L23	R2	0	December 2005	
BB	MIMO - Iub/Iur Protocol Aspects	MIMO-IurIub	R3	0	December 2005	
BB	MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	MIMO-RF	R4	5	December 2005	
Feat	7.68Mcps TDD option	VHCRTDD	RP		June 2006	Status report in RP-050193 Completion date moved from March 2006
BB	7.68Mcps TDD option: Stage 2	VHCRTDD-Stage2	R1	15	December 2005	
BB	7.68Mcps TDD option: Physical Layer	VHCRTDD-Phys	R1	15	December 2005	
BB	7.68Mcps TDD option: Layer 2 and layer 3 protocol aspects	VHCRTDD-L23	R2	15	December 2005	
BB	7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects	VHCRTDD-IurIub	R3	15	December 2005	
BB	7.68Mcps TDD option: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	VHCRTDD-RF	R4	35	June 2006	
Feat	3.84 Mcps TDD Enhanced Uplink	EDCHTDD	RP		June 2006	Status report in RP-050194
BB	3.84 Mcps TDD Enhanced Uplink: Stage 2	EDCHTDD-Stage2	R2	10	December 2005	
BB	3.84 Mcps TDD Enhanced Uplink: Physical Layer	EDCHTDD-Phys	R1	10	March 2006	
BB	3.84 Mcps TDD Enhanced Uplink: Layer 2 and 3 Protocol Aspects	EDCHTDD-L23	R2	15	March 2006	
BB	3.84 Mcps TDD Enhanced Uplink: UTRAN Iub/Iur Protocol Aspects	EDCHTDD-IurIub	R3	5	March 2006	
BB	3.84 Mcps TDD Enhanced Uplink: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCHTDD-RF	R4	0	June 2006	
SI	FS on Evolved UTRA and UTRAN	RANFS-Evo	RP	20	June 2005	Status report in RP-050197

Type	WI Name	WI Code	Lead	%	Finish Date	Remarks
SI	Performance Evaluation of the UE behaviour in high speed trains with speeds up to 350 kmph	RANFS-350Trains	R4	5	March 2006	Status report in RP-050199 Completion date moved from Sept 2005
New SI	UTRA Tower Mounted Amplifier (FDD)	RANFS-TMA	R4		March 2006	New Work Item, WIDS in RP-050200
New SI	Continuous connectivity for packet data users		R1		September 2005	New Study Item, WIDS in RP-050391

Annex E: Meeting schedule

TSG RAN meetings

Meeting #	Date	Host	Location
29	21 - 23 September 2005	European Friends of 3GPP	Tallinn, Estonia
30	30 Nov. - 2 Dec. 2005	European Friends of 3GPP	Malta
31	08 – 10 March 2006		China
32	31 May - 2 Jun 2006		
33	20 - 22 Sep 2006		
34	29 Nov - 1 Dec 2006		

- Joint RAN WGs- SA WG2 meeting on Long Term Evolution. 19 – 20 September 2005, Tallin, Estonia, hosted by EF3.

TSG RAN WG1 meetings

Meeting #	Date	Host	Location
42	29 Aug – 02 Sept 2005	European Friends of 3GPP	London, UK
43	07-11 November 2005	Samsung	Korea

- RAN WG1 Ad Hoc on Long Term Evolution: 20 – 21 June 2005, Sophia Antipolis, France,hosted by ETSI
- RAN WG1 #42bis: 3 – 7 October 2005, host and location TBD

TSG RAN WG2 & WG3 meetings

Meeting #	Date	Host	Location
48	29 Aug – 02 Sept 2005	European Friends of 3GPP	London, UK
49	07-11 November 2005	Samsung	Korea

- RAN WG2 Ad Hoc on Long Term Evolution: 20 – 21 June 2005, Sophia Antipolis, France, hosted by ETSI
- Joint RAN WG3 – SA WG2 Ad Hoc on Long Term Evolution: 28 – 30 June 2005, Montreal, Canada, hosted by the North American Friends of 3GPP
- RAN WG2 #48bis: 10 – 14 October 2005, Cannes, France, hosted by EF3.
- RAN WG3 #48bis: 10 – 14 October 2005, Cannes, France, hosted by EF3.

TSG RAN WG4 meetings

Meeting #	Date	Host	Location
36	29 Aug – 02 Sept 2005	European Friends of 3GPP	London, UK
37	07-11 November 2005	Samsung	Korea

TSG RAN WG5 meetings

Meeting #	Date	Host	Location
28	22 - 26 Aug 2005	European Friends of 3GPP	Berlin, Germany
29	7 – 11 November 2005	Samsung	Korea

Annex F List of actions

- RAN WG3 is tasked to look at the necessary additions to its specifications to cope with the requirements for MBMS tracing according to the LS from SA WG5 in RP-050292.
- ITU-R Ad Hoc Contact Person to include UMTS1700 in the next update of M.1457.
- RAN WG4 is tasked to examine the CR on Correction to computed gain factor quantisation in RP-050373 and to consider incorporating the change to its specifications.
- RAN WG2 and WG3 to aim at December 2005 for the freezing of Rel-6 ASN.1.
- RAN WG5 to check which of the features being removed have tests in WG5 specifications, or are referred in any way in WG4 specifications, and to produce the CRs indicating that those tests or parameters only apply for R99 and Rel-4.
- RAN WG4 is tasked to look at a way of making a clear definition of the Cubic Metric in 25.101.
- RAN WG2 to review the WI Description Sheet in for location services enhancements in RP-050300 to clarify that it only applies to AGPS UE based positioning.
- TSG RAN chairman to send a letter to ECC PT1 chairman explaining the situation in 3GPP on the 2.6 GHz external Work Item after review by email on the exploder.
- RAN WG5 to clarify the scope of RP-050286 (WI Description Sheet for Testing of IMS Call Control) in order to make clear that it affects Rel-5 IMS

Annex G Approved Terms of Reference of RAN WG4

Within the scope of TSG-RAN, RAN WG4 is responsible for:

- Radio specification for the Base Station and Terminal
- Base Station Radio Conformance test specifications
- Base Station EMC specification
- Terminal EMC specification
- Radio Link requirement specification
- Cell selection/reselection performance requirement specifications
- Performance requirements in support of Radio Resource Management
- Specification of the accuracy of measurements offered by the physical layer to the upper layers Radio system scenario analysis and simulation
- The requirements for UE tests as defined in TSG RAN WG5 for functions under RAN WG4 responsibility.