

TSG-RAN meeting #13
Beijing, China, 18-21 September 2001

RP-010498

Title: Revised draft Report of the 12th TSG-RAN meeting
(Stockholm, Sweden , 12-15 June 2001)
Document for: Comment
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Executive summary

During TSG-RAN #12, a total of 217 documents were handled. For R'99 290 CRs were approved, for Rel-4 (only, not including Category A CRs following from R'99 CRs) an additional 80 CRs and for Rel-5 (again not including Category A CRs) an additional 5 CRs. A TR on deployment aspects was approved for Rel-4.

A definition of the term "Isolated Impact" (within a release, between versions) was provided, to distinguish with "backwards compatibility" (between releases).

Guidelines were discussed on the interaction between TSG-RAN WGs and TSG-T WG1. It was agreed that TSG-RAN WGs could provide guidance and information, but that the work on testing specifications had to be done by TSG-T WG1. Companies should provide sufficient resources to TSG-T WG1 for this purpose.

It was decided that the TSG-RAN WGs shall present agreed CRs for Rel-5 WIs to the plenary and that the plenary will decide on a case-by-case basis to approve them immediately, or to put them "on hold". Only if it is already known that the WI is not finished, do the CRs not need to be brought to the plenary.

WGs were also reminded that TRs/TSs should only be presented to TSG-RAN if they are 50% or more complete (and thus in version 1.0.0 or higher).

The WG3 decision on to make IPv6 mandatory and IPv4 optional for RAN transport was endorsed and a clarification was provided for inclusion in the relevant TR.

A proposal to introduce new power output classes for specific frequency bands was referred back to WG4 as there were consequences on (among other things) type approval.

The information to be submitted to ITU-R WP8F as evolved by the ITU-R Ad Hoc group was approved.

The WI "Gated DPCCH Transmission" was terminated. The WIs on UMTS 1800 and UMTS 1900 were not yet finished and all related documents (including the new TS 25.307) were postponed. On the WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning" three TSs were approved, but one additional TS (on signalling) had not yet been agreed in WG3. For WI "TDD Base Station Classification" the TR was approved. A lot of progress had been made in WG1 and WG2 on the WI "HSDPA". A proposed new WI on vendor-specific extensions was rejected and would be discussed in TSG-SA.

New approved WIs [leading WG between square brackets]:

- Iur Common Transport Channel Efficiency Optimisation [WG3]- Iur Neighbouring cell reporting Efficiency Optimisation [WG3]- Base Station Classification for 1.28 Mcps TDD option [WG4]- Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN [WG2]- Provisionally approved (on condition that TSG-SA agrees to have this work done).
- UE Specific beamforming with dedicated pilots [WG4 or WG1]- Provisionally approved (investigation to be carried out).

New approved SIs [leading WG between square brackets]:

- Wideband Distribution Systems [WG4]
- SRNS relocation enhancement [WG3]- Direct transport bearers between SRNC and Node-B [WG3]

1 Opening of the meeting

Francois Courau (Chairman) opened the meeting. Per Beming (Ericsson) welcomed the delegates to Stockholm and explained the logistics of the meeting.

2 Approval of the agenda

RP-010280 Proposed agenda (Chairman)

Francois Courau (Chairman) proposed the agenda for the meeting.

Decision: The agenda was approved.

3 Approval of the meeting report of TSG-RAN Meeting #11

RP-010281 Draft Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001) (Secretary)

RP-010282 Revised draft Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001) (Secretary)

The revised meeting report of TSG-RAN #11 in RP-010282 had been distributed via the email reflector and was on the server. Compared to the original draft version, there was only an update of the meeting calendar and a number of editorial corrections. The meeting calendar would be updated again in the approved version.

Decision: The report was approved. The approved report would be available in RP-010283.

RP-010283 Approved Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001) (Secretary)

This was the approved report of the TSG-RAN #11 meeting.

4 IPR Claims

Francois Courau (Chairman) reminded the delegates of their obligations with respect to IPRs.

NOTE: IPRs should be declared to the Director-General or Chairman of the SDO, not to the TSG-RAN Chairman.

5 Chairman Report of TSG-SA#11 and PCG/OP

5.1 TSG-SA Report

Francois Courau (Chairman) summarised the results of the TSG-SA #11 meeting:

- In TSG-SA #11 there had been elections. Niels Peter Skov Andersen (Motorola) was re-elected chairman. The Vice-Chairmen were Hiroshi Nakamura (NTT DoCoMo) and Gary Jones (Voicestream).
- TSG-SA requested that work on Broadcast facility in TSG-RAN shall await approval of a Work Item at the SA level and requested TSG-RAN to wait before starting any work. TSG-SA WG1 had

started to look at the WI on multicast/broadcast, but it would not be provided before the end of this TSG-RAN plenary meeting.

- New CR forms were asked for (and delivered by MCC since).
- The relation with IETF was discussed again and the way TSG-RAN has been working with IETF for ROHC was considered the best way. A Work Item shall be created and a rapporteur appointed within 3GPP. Additionally the rapporteur shall not consider his work finished when the work has been completed in IETF but this requires that monitoring of the work done in IETF shall be continued so that backward compatibility for 3GPP is preserved.
- TSG-RAN should investigate whether first AMR 2 and W-AMR had any impact.
- The A-GPS open interface WI was deferred to Rel-5 including architectural aspects that were agreed to be part of Release 4 in TSG-RAN originally.
- Two new WIs might have impact on RAN (Support of Presence Capability and Support of IP Emergency Call without USIM (FS)).

5.2 PCG/OP Report

Francois Courau (Chairman) summarised the results of the latest PCG meeting:

- PCG confirmed that current practice of incorporating all regional requirements should be continued unless inclusion was impractical.
- TSG-RAN is to support the attempt for 3GPP/3GPP2 to harmonise their High Speed Packet support and to keep the PCG fully informed of the developments.
- ITU matters should be kept at PCG level rather than by correspondence (so no LSs). The ITU Bureau was tasked to look at potential harmonisation on the meeting calendar.
- The result of the PCG Ad Hoc Review group would be provided in the form of an input document for information. See also RP-010486.
- It was allowed to exchange LSs with the MExE Forum.

RP-010486 3GPP TSG RAN Report of the PCG and OP (10-11 april 2001) (Chairman)

This document was for information.

6 Chairman report of external meetings

6.1 UMTS Forum Workshop

Francois Courau (Chairman) summarised the results of this Workshop. An input document would be provided on this for background information, see RP-010491. This will be considered to be a basis for the TSG-SA Workshop that will take place in the second part of October.

RP-010491 Report on UMTS Forum Workshop (Chairman)

This document was for information.

7 Liaisons from other groups

7.1 TSG-SA, TSG-T, TSG-CN, TSG-GERAN

7.1.1 TSG-SA and TSG-SA WGs

RP-010286(S2-010813, copy TSG-RAN) LS on Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type paramaters of Iu interface RANAP 25.413 (LOCATION REPORTING CONTROL and LOCATION REPORT messages) (TSG-SA WG2)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: The response had been provided already as RP-010291.

Decision: The LS was noted.

RP-010287(S2-011572, to TSG-RAN) LS on Requirements on the Iu Interface (TSG-SA WG2)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: The response had been provided already as RP-010436.

Decision: The LS was noted.

7.1.2 TSG-T and TSG-T WGs

RP-010294(T1-010159, copy TSG-RAN) LS on Establishment of an Ad Hoc for RRM test (TSG-T WG1)

Denis Fauconnier (TSG-RAN WG2 Chairman) presented this LS.

Discussion: It had already been agreed that a joint meeting would be held between WG2, WG4 and TSG-T WG1 during the next co-located meeting (9-13 July in Berlin). The issue of a separate Ad Hoc group was something else. It was stated that an Ad Hoc meeting would not solve the problem, because the real problem was that not enough resources were made available for the testing groups. Another problem was the exact split of the work between the WGs. In the past WG4 and TSG-T WG1/RF had been co-located, but it was difficult from a practical point of view. On the other hand, the testing people should be kept together also. In the PCG Ad Hoc Review it had been concluded that there were no strong arguments for joining any TSG-RAN groups and any TSG-T groups or reorganise them. It was commented that it was useful for people working on the core specifications to understand how the testing works, because currently there were requirements in the core specifications that were not testable.

Decision: The LS was noted. The mandate of the joint meeting should be limited to providing the necessary information. Companies were requested to make enough resources available to TSG-T WG1.

7.1.3 TSG-CN and TSG-CN WGs

RP-010288(N4-010696, copy TSG-RAN) Response to LS (R3-010988) on Highlighting Requirements to RAN3 for SRNS relocation with TrFO (TSG-CN WG4)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: The LS was one that WG3 had been waiting for but that had not turned up so far. There was disagreement on whether this was a correction of something already in R'99/Rel-4, or a new functionality that should be in Rel-5 only.

Decision: The LS was noted. WG3 needed to handle it as urgently as possible. WG3 would provide the CRs for the TSG-RAN #13 meeting based on the Rel-4 version of the specifications, although the final decision on the Release would be taken in the TSG-RAN #13 meeting.

RP-010493LS (NP-010362, to TSG-RAN) on CR numbering (TSG-CN)

Francois Courau (Chairman) presented this LS.

Decision: The LS was noted. **WG4 would from now on number CRs in advance.**

7.1.4 TSG-GERAN and TSG-GERAN WGs

RP-010412(GP-011437, to TSG-RAN) LS on Terminology clarifications (TSG-GERAN)

Niels Andersen (TSG-GERAN Chairman) presented this LS.

Discussion: This was more important for TSG-CN and TSG-SA, but also impacted TSG-RAN.

Decision: The LS was noted. **The WGs were encouraged to use the terminology provided in the LS.**

7.2 Others (non-RAN)

7.2.1 BRAN

RP-010295(BRAN23d132, copy TSG-RAN) Response to LS (RP-010279) on HIPERLAN (EP BRAN)

Francois Courau (Chairman) presented this LS.

Discussion: There was already a response to this LS in RP-010293.

Decision: The LS was noted.

7.3 TSG-RAN WGs

7.3.1 TSG-RAN WG1

RP-010284(R1-010665, copy TSG-RAN) LS on Revision of Tdoc R1-010560 "Material to be submitted to ITU-R WP8F#5" (TSG-RAN WG1)

Antti Toskala (TSG-RAN WG1 Chairman) presented this LS.

Discussion: The document had been taken into account in an input document from the ITU-R Ad Hoc group.

Decision: The LS was noted.

7.3.2 TSG-RAN WG2

RP-010285(R2-011481, copy TSG-RAN) LS on Requirements on UE positioning (TSG-RAN WG2)

Denis Fauconnier (TSG-RAN WG2 Chairman) presented this LS.

Discussion: In answer to concerns from WG4, it was explained that no work had been done in WG2 on accuracy and that an outcome of TSG-SA WG1 was awaited before it could be decided whether any work was needed at all.

Decision: The LS was noted. **The response from TSG-SA WG1 would be reviewed and WG2 and WG4 would discuss during the joint meeting in Berlin what distribution of work was necessary, if any. The TSG-RAN Chairman would discuss with the TSG-SA WG1 Chairman to make sure that a response would be received in due time due to the fact that the two meetings are taking place at the same date. The WG Chairmen would also discuss offline what should and what should not be tested with the TSG-T WG1 Chairman.**

7.3.3 TSG-RAN WG3

RP-010289(R3-011193, to TSG-RAN) LS on Clarification of Inter-vendor aspects of Node B static parameters (TSG-RAN WG3)

Jim Miller (TSG-RAN WG3 Vice-Chairman) presented this LS.

Discussion: This was in answer to a request by TSG-RAN #11. It was clarified that it was for R99 and that only one hardware platform was the basic assumption. This might be improved in the future if need be.

Decision: The LS was noted. TSG-RAN was happy with the response.

RP-010290(R3-011267, copy TSG-RAN) LS on Review of UTRAN O&M Procedures TR32.800 (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Decision: The LS was noted.

RP-010291(R3-011284, copy TSG-RAN) Response to LS (S2-010813) on Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type parameters over Iu interface RANAP 25.413 (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: The LS was for information to TSG-RAN only.

Decision: The LS was noted.

RP-010292(R3-011287, copy TSG-RAN) LS on Feasibility of USTS in point of WG3 (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: This issue would come up when discussing the USTS SI. The conclusion in WG3 was that USTS was feasible in a low mobility environment. It was asked what "low mobility" meant. It was explained that it was considered not to be feasible in an environment with high mobility.

Decision: The LS was noted.

RP-010293(R3-011841, copy TSG-RAN) Response to LS (BRAN23d132) on HIPERACCESS (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: EP-BRAN would do the work adapting their specification to take into account the specific requirements as explained by WG3 and contact WG3 again after completion.

Decision: The LS was noted.

RP-010436(R3-011868, to TSG-RAN) Response to LS (S2-011572) on Requirements on the Iu Interface (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.

Discussion: There was also an input document from Motorola on this topic (RP-010416). See the discussion for RP-010416.

Decision: The LS was noted.

7.3.4 TSG-RAN WG4

RP-010453LS (R4-010723, copy TSG-RAN) on Power Output Classes for Frequency Bands II and III (TSG-RAN WG4)

Howard Benn (TSG-RAN WG4 Chairman) presented this LS.

Discussion: The actions required were in WG2 and WG3. In WG2 there had been an extension to accommodate up to eight power classes already. A problem was that the existing operators did not want

this power class, so it should be only applicable for the new operators. Also, consequences might be implied for the type approval of UEs in other parts of the world. This would be very difficult to realise. A good argument needed to be provided for the introduction of a new power class. WG4 needed to rediscuss this issue. It was asked how this would work for a dual band mobile. This also needed to be investigated. No further modification should be taken before all the impacts within WG4 scope had been identified.

Decision: The LS was noted. WG4 would inform WG3 of any possible impacts after the issue had been rediscussed in WG4.

8 Status Report and Approval of contributions - R'99 & Rel-4

Vocabulary documents

Tdoc	TR	Presented as version	Title	Result	Final version
n/a	25.990	n/a	TSG-RAN Vocabulary document	n/a	n/a
n/a	21.905	n/a	Vocabulary document	n/a	n/a

RP-010415 Backward compatibility of Release 99 versions (Motorola)

Howard Benn (Motorola) presented this document.

Discussion: It was clarified that it was only the terminology that was a problem, not the way of working. Francois Courau (Chairman) clarified that "backward compatibility" was directly related to implementations in the field. The real issue was how to decide whether a CR could be approved, or not. The term "backward compatible" could be interpreted in different ways. There was a definition (included in this document also) that had been developed after a lot of discussion within WG2. This was created in response to the TSG-RAN decision that the WGs should "maximise backward compatibility". Denis Fauconnier (TSG-RAN WG2 Chairman) presented the WG2 document included in this document. It was stated that, irrespective of the definition given, (compromise) solutions would need to be found when conflicting interpretations of the standards would be found to be in the field anyway.

Decision: The document was noted. Denis Fauconnier (TSG-RAN WG2 Chairman) would chair a small group to draft the questions to be answered as analysis for all CRs, for all WGs (an "impact analysis"). The outcome of the discussion was provided in RP-010484.

RP-010484 Isolated Impact CRs (Ad Hoc group)

Howard Benn (TSG-RAN WG4 Chairman) presented this document.

Discussion: The word "not" should be inserted in the last bullet point (impact analysis). It was commented that the proponent of any CR should do an analysis.

Decision: The document was approved, taking into account the comment. A revision would be provided by RP-010494.

RP-010494 Isolated Impact CRs (Ad Hoc group)

Decision: The document was approved. It could be found in Annex D. Each of the WGs needed to be informed. It would be investigated with TSG-SA whether a revision of the CR cover sheet would be possible. The TSG-RAN Chairman would report on the output of TSG-SA. The WG Chairmen and MCC would be responsible for implementation of the results.

NOTE: The numbering of R'99 and Rel-4 CRs (and future Rel-5, 6, ... CRs) was all in the same range. No separate ranges had been used in SMG, CN, SA etc. and this was kept the same for RAN.

8.1 TSG-RAN WG1

8.1.1 Report from TSG-RAN WG1

RP-010329 Report from WG1 chairman to TSG-RAN (TSG-RAN WG1 Chairman)

RP-010330 Supplement (List of agreed CRs) to Report from WG1 chairman to TSG-RAN (TSG-RAN WG1 Chairman)

Antti Toskala (Chairman TSG-RAN WG1) presented this report (RP-010329) and the supplement of agreed CRs (RP-010330).

Presentation:

- Release 99 CRs further reducing, down to 27 CRs, 19 for FDD;
- Few Release 4 CRs agreed on TDD + 1 for FDD:
 - 25.214 clarification for the use of SSDT signaling in the uplink only;
 - 4 TDD specific CRs, minor corrections and IPDL parameters corrections. (IPDL for TDD from Rel-4 onwards, similar correction was done for FDD R'99).
- Highest number of papers for High Speed Downlink Packet Access (HSDPA), first details agreed;
- In the last meeting some Rel-5 related papers were not treated, most time spent on HSDPA (3 days) and R'99 issues (1 day approx.);
- Joint meeting with WG1, WG2 and WG3 experts on gating and HSDPA;
- Work on DPCCH gating to stop in WG1 unless some new information would be raised in WG2/WG3 side that would change the situation with respect the possible merits between activating the DPCCH gating and moving to cell FACH state;
- Rel-5 WIs and SIs: see separate status reports.

Decision: The report was noted. TSG-RAN recommended the WGs that the dates from one week before the TSG-RAN plenary until and including one week after the TSG-SA plenary should not be used for meetings. In this period no support from MCC could be expected and there might be difficulty to get the right experts.

8.1.2 Discussions on decisions from TSG-RAN WG1

RP-010441 Replaced CR 180r3 (R'99) and CR 181r3 (Rel-4 Category A) to 25.214 (Nortel Networks, Ericsson, Panasonic)

This document was replaced by RP-010482.

RP-010482 Approved CR 180r4 (R'99) and CR 181r4 (Rel-4 Category A) to 25.214 (Nortel Networks, Ericsson, Panasonic)

Decision: The CRs were **approved** (see 8.1.3).

RP-010456 Approved CR 089r2 (R'99) and CR 090r2 (Rel-4 Category A) to 25.215 (TSG-RAN)

Decision: The CRs were **approved** (see 8.1.3).

8.1.3 Approval of CRs (R'99 and Rel-4 Category A) from TSG-RAN WG1

CRs to TS 25.211: Physical channels and mapping of transport channels onto physical channels (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010331	25.211	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.212: Multiplexing and channel coding (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010332	25.212	3.5.0/4.0.0	Agreed CRs	approved 1)	3.6.0/4.1.0

- 1) Vodafone requested that the consequences of a CR should be extremely clear. In particular, if the rate matching CR was not implemented then the DSCH would not work.

CRs to TS 25.213: Spreading and modulation (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010333	25.213	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TS 25.214: FDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010334	25.214	3.6.0/4.0.0	Agreed CRs	approved 1) 2)	3.7.0/4.1.0
RP-010441	25.214	3.6.0/4.0.0	Proposed CR 180r3 and CR 181r3	replaced by RP-010482	-
RP-010482	25.214	3.6.0/4.0.0	Proposed CR 180r4 and CR 181r4	approved	3.7.0/4.1.0

- 1) CR 180 and CR 181 were **replaced** by RP-010441, which was in turn replaced by RP-010482.
 2) CR 185 and CR 186 could be considered to be addition of functionality rather than a correction. It was proposed to send these CRs back to WG1. After consultation, CR 185 and CR 186 were **approved**, taking into account the following: **WG3 should add a statement to the Iub specification to indicate that the maximum DL power was defined for non-compressed mode. In compressed mode the DL power would be increased by P_{SIR} . A CR should be elaborated.**

CRs to TS 25.215: Measurements (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010335	25.215	3.6.0/4.0.0	Agreed CRs	approved 1)	3.7.0/4.1.0
RP-010456	25.215	3.6.0/4.0.0	Proposed CR 089r2 and CR 090r2	approved	3.7.0/4.1.0

- 1) CR 089 and CR 090 were requested to be **replaced** (see RP-010456) by the TSG-RAN plenary meeting.

CRs to TS 25.221: Physical channels and mapping of transport channels onto physical channels (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010336	25.221	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.223: Spreading and modulation (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010337	25.223	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TS 25.224: TDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010338	25.224	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.225: Measurements (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010339	25.225	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TR 25.944: Channel coding and multiplexing examples

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010340	25.944	3.4.0/4.0.0	Agreed CRs	approved	3.5.0/4.1.0

8.1.4 Approval of CRs (Rel-4) from TSG-RAN WG1

CRs to TS 25.214: FDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010341	25.214	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.221: Physical channels and mapping of transport channels onto physical channels (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010342	25.221	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.224: TDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010343	25.224	4.0.0	Agreed CRs	approved	4.1.0

8.2 TSG-RAN WG2

8.2.1 Report from TSG-RAN WG2

RP-010300 Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)**RP-010301 Supplement (List of agreed R'99 and Rel-4 Category A CRs) to Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)**

Denis Fauconnier (Chairman TSG-RAN WG2) presented this report (RP-010300) and the supplement of agreed R'99 CRs (RP-010301).

Presentation:

- Release '99 corrections:
 - Still occupying more than 50% of meeting time, and most of delegates bandwidth/expertise;
 - Still many corrections on aspects which were not described, unclear, or incorrect;
 - BUT few actual radio interface modifications, and level of importance of CRs is decreasing;
 - Backwards compatibility taken into account.
- New specification 25.307 (release-independency of frequency bands).
- UE positioning: definition of tests for R'99 started.
- Methodology to ease introduction of future releases:
 - Extensions, naming, etc.
- Discussions on backwards compatibility
- HSDPA:
 - Progressed with WG1 in two joint meetings. Good progress.
- Gated transmission:
 - Joint WG1/WG2/WG3 on the subject;
 - When considering radio interface, CELL_FACH from R'99 is superior to DPCCH gating from terminal saving point of view;
 - Gains on Iub/Iur very much dependant on implementation, and therefore not sufficient to justify feature;
 - Conclusion that work should not proceed in WG1, unless WG2 or WG3 provide new potential benefits.

- A-GPS interface:
 - Progressed with WG3 in joint meeting. WG2 work completed, WG3 largely complete.
- Conclusion:
 - R'99 CRs are mostly clarifying uncomplete descriptions. Good progress on RRC, other protocols are stable;
 - Standard quality has already made significant progress. More needed to achieve interoperability level;
 - Release 4 was completed in time, but majority of delegates is still busy with Release 99. This now means more work with duplication of specifications, and maintenance of two releases;
 - Past work has been paying off, Release 99 quality improves, and stability is increasing. Please sustain efforts and keep experts active in WG2.

Discussion:

- Some companies expressed some concerns about the number of CRs. Explanations were provided. Denis Fauconnier (TSG-RAN WG2 Chairman) explained that for a real, functioning network, you would need the June version of the specifications (the March version would work if the various topics on which CRs were provided on the slide "RRC CRs per function/category" would not be necessary).

Decision: The report was noted.

RP-010411 Status of UE positioning (TSG-RAN WG2)

Denis Fauconnier (Chairman TSG-RAN WG2) presented this report that had been requested by TSG-RAN in TSG-RAN meeting #11 (Palm Springs, March 2001).

Discussion: The idea of accuracy class was because sometimes it is sufficient that something is "in the neighbourhood (a lorry near a factory for instance), whereas sometimes a more exact position is needed (emergency service for instance). There were many questions following from the report that needed to be handled in discussions between WG2 and WG4, such as on IPDLs, accuracy timing etc.

Decision: The report was noted. At the next co-located meeting (9-13 July in Berlin), WG2 and WG4 would discuss the accuracy issue.

8.2.2 Discussions on decisions from TSG-RAN WG2

RP-010435 Approved CR 073r2 (R'99) and CR 074r1 (Rel-4 Category A) to 25.304 (Motorola, Telia)

Decision: The CRs were **approved** (see 8.2.3).

RP-010438 Postponed CR 001 (Rel-4) to 25.307 (MCC)

Decision: The CR was **postponed** (see 8.2.4).

RP-010466 Replaced CR 840r3 (R'99) and CR 841r1 (Rel-4 Category A) to 25.331 (Qualcomm)

This document was replaced by RP-010479.

RP-010479 Withdrawn CR 840r4 (R'99) and CR 841r2 (Rel-4 Category A) to 25.331 (Qualcomm)

Decision: The CRs were **withdrawn** (see 8.2.3).

RP-010481 Approved CR 009r1 (R'99) and CR 010r1 (Rel-4 Category A) to 34.109 (Ericsson)

Decision: The CRs were **approved** (see 8.2.3).

8.2.3 Approval of CRs (R'99 and Rel-4/Rel-5 Category A) from TSG-RAN WG2

CRs to TS 25.301: Radio Interface Protocol Architecture

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010302	25.301	3.7.0/4.0.0	Agreed CRs	approved	3.8.0/4.1.0

CRs to TS 25.302: Services provided by the Physical Layer

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010303	25.302	3.8.0/4.0.0	Agreed CRs	approved	3.9.0/4.1.0

CRs to TS 25.303: Interlayer Procedures in Connected Mode

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010304	25.303	3.7.0/4.0.0	Agreed CRs	approved	3.8.0/4.1.0

CRs to TS 25.304: UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010305	25.304	3.6.0/4.0.0	Agreed CRs	approved 1)	3.7.0/4.1.0
RP-010435	25.304	3.6.0/4.0.0	Proposed CR 073r2 and CR 074r1	approved	3.7.0/4.1.0

1) CR 073 and CR074 were replaced by RP-010435.

CRs to TS 25.305: Stage 2 Functional Specification of Location Services in UTRAN

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010306	25.305	3.5.0/4.0.0 /5.1.0	Agreed CRs	approved	3.6.0/4.1.0 /5.1.0

CRs to TS 25.306: UE Radio Access Capabilities

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010307	25.306	3.1.0/4.0.0	Agreed CRs	approved	3.2.0/4.1.0

CRs to TS 25.321: MAC protocol specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010308	25.321	3.7.0/4.0.0	Agreed CRs	approved	3.8.0/4.1.0

CRs to TS 25.322: RLC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010309	25.322	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.323: Packet Data Convergence Protocol (PDCP) Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010310	25.323	3.4.0/4.0.0	Agreed CRs	approved	3.5.0/4.1.0

CRs to TS 25.331: RRC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010311	25.331	3.6.0/4.0.0	Agreed CRs (1)	approved	3.7.0/4.1.0
RP-010312	25.331	3.6.0/4.0.0	Agreed CRs (2)	approved	3.7.0/4.1.0
RP-010313	25.331	3.6.0/4.0.0	Agreed CRs (3)	approved	3.7.0/4.1.0
RP-010314	25.331	3.6.0/4.0.0	Agreed CRs (4)	approved	3.7.0/4.1.0
RP-010315	25.331	3.6.0/4.0.0	Agreed CRs (5)	approved 1)	3.7.0/4.1.0
RP-010316	25.331	3.6.0/4.0.0	Agreed CRs (6)	approved	3.7.0/4.1.0
RP-010317	25.331	3.6.0/4.0.0	Agreed CRs (7)	approved	3.7.0/4.1.0
RP-010466	25.331	3.6.0/4.0.0	Proposed CR 840r3 and CR 841r1	replaced by RP-010479	-
RP-010479	25.331	3.6.0/4.0.0	Proposed CR 840r4 and CR 841r2	withdrawn	3.7.0/4.1.0

1) There was an objection against CR 840 and CR 841 (third change, where a condition had been changed to mandatory). CR 840 and CR 841 were **rejected**..

CRs to TR 25.921: Guidelines and Principles for protocol description and error handling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010318	25.921	3.3.0/4.0.0	Agreed CRs	approved	3.4.0/4.1.0

CRs to TS 34.109: Terminal logical test interface; Special conformance testing functions

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010319	34.109	3.3.0/4.0.0	Agreed CRs	approved 1)	3.4.0/4.1.0
RP-010481	34.109	3.3.0/4.0.0	Proposed CR 009r1 and CR 010r1	approved	3.4.0/4.1.0

1) CR 009 and CR 010 contained a problem. As this material is coming from TSG-T it was agreed that a new version of the CRs should be elaborated by TSG-T WG1 during the TSG-T meeting. The major concern was coming from the fact that there was now, according to the wording provided, an uncertainty on the requirement for the mobile in terms of memory requirement to support the loop test for different level of services. It was noted that the cover sheet was clearer. CR 009 and CR 010 were **replaced** by RP-010481.

Specifications from WG2 for approval

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-010326	25.307	2.0.0	Requirements on UEs supporting a Release Independent Frequency Band	postponed 1)	2.0.0

1) Since WG4 had not finished its work on UMTS 1800 and UMTS 1900, it was decided to keep the work together and decide when all material was available (hopefully at the next plenary meeting). Therefore TS 25.307 was **postponed**.

8.2.4 Approval of CRs (Rel-4) from TSG-RAN WG2**CRs to TS 25.302: Services provided by the Physical Layer**

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010320	25.302	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.306: UE Radio Access Capabilities

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010321	25.306	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.307: Requirements on UEs supporting a Release Independent Frequency Band

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010438	25.307	2.0.0	Agreed CRs	postponed 1)	2.0.0

- 1) Since WG4 had not finished its work on UMTS 1800 and UMTS 1900, it was decided to keep the work together and decide when all material was available (hopefully at the next plenary meeting). Therefore CR 001 was **postponed**.

CRs to TS 25.321: MAC protocol specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010322	25.321	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.331: RRC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010323	25.331	4.0.0	Agreed CRs	approved	4.1.0

8.3 TSG-RAN WG3

8.3.1 Report from TSG-RAN WG3

RP-010369 List of agreed CRs in RAN WG3 #20 and #21 meetings (TSG-RAN WG3)

This document was replaced by RP-010455.

RP-010368 Report from WG3 chairman to TSG-RAN (TSG-RAN WG3 Chairman)

RP-010455 List of agreed CRs in RAN WG3 #20 and #21 meetings (TSG-RAN WG3)

Martin Israelsson (Chairman TSG-RAN WG3) presented this report (RP-010368) and the supplement of agreed CRs (RP-010455).

Presentation:

- R99 and Rel-4:
 - Most corrections are of type clarifications to R99 & Rel-4;
 - 35 Rel-4 only CRs;
 - R99 and Rel-4 still occupies more than 75% of meeting time;
 - Could not agree on "Stop reporting" CR as promised SA2 in LS (RP-010291).
- Rel-5:- PCAP finalised (except the Signalling transport);
 - IP UTRAN work progressed, still very few agreements;
 - WG3 has studied the feasibility of USTS technology and concluded that USTS is feasible for a low mobility environment (see RP-010292);- WG3 has studied the multi-vendor aspects of the Uplink power control preamble and concluded that these parameters need not be signalled over Iub (see RP-010289);- Work on other Rel-5 topics started;
 - Guidance asked from TSG-RAN for prioritisation of Rel-5 work.

Discussion:

- The status in TSG-SA WG3 needed to be checked for the IP transport in UTRAN since WG3 had been waiting for it for a while.
- It was appreciated that a lot of progress had been made on the A-GPS interface WI ("PCAP" specifications). However, concern was expressed on the fact that the PCAP specifications were held up due to problems on the transport issue.

Decision: The report was noted. Martin Israelsson (TSG-RAN WG3 Chairman) would check with TSG-SA WG3 on the status of the missing LS on IP security. Also, WG3 was instructed to make sure that the PCAP WI would be finalised by the next plenary meeting.

8.3.2 Discussions on decisions from TSG-RAN WG3

RP-010416IPv4/6 in the transport layer (Motorola)

Howard Benn (Motorola) presented this document.

Discussion: For R'99, IPv4 was mandatory and IPv6 was optional. Also, in the past it had already been concluded that "optional" still meant that manufacturers had to implement it. After discussion with the TSG-SA WG2 Chairman it had been acknowledged that it was not an architectural issue, but TSG-SA WG2 should still be involved on requirements. TSG-GERAN and TSG-CN should also be involved in the discussion. Perhaps for harmonisation a Workshop was the best forum. It was explained that the interworking case was the reason why TSG-RAN WG3 had not wanted both versions to be optional (as had been proposed by TSG-SA WG2).

Discussion with TSG-CN delegates:

The discussion was on IP inside the RAN. Francois Courau (Chairman) explained as background for the CN delegates that ROHC works with terminals, for which IPv6 has been mandated, and needed to be able to decode IPv6. So IPv6 necessarily needed to be supported (part of the IPv6 stack at least needed to be implemented). It was stated that making both optional would effectively mean that both needed to be implemented by manufacturers (as had been explained on several occasions before). It was explained that taking a phased approach seemed to point to making IPv4 mandatory and IPv6 optional, since IPv4 was already in R'99. It was stated that, with a dual-stack approach, it would be no problem to make both mandatory. Various operators stated their support for having IPv6 mandatory. It was stated that the debate was not on the merits of each solution, since AAL2, IPv4 and IPv6 all needed to be supported based on operators' requests.

Decision: The document was noted.

TSG-RAN endorsed the WG3 decision that IPv6 is mandatory and IPv4 is optional.

Nevertheless, because of the extensive discussion during the plenary, TSG-RAN decided that the following statement shall be inserted in the WG3 Technical Report:

"Because of transition period it is felt preferable that dual stack support is the best way to evolve. This does not prevent single stack support (IPv4 or IPv6). The decision is then left for operators taking into account the potential interworking or performance consequences."

8.3.3 Approval of CRs (R'99 and Rel-4 Category A) from TSG-RAN WG3

CRs to TS 25.401: UTRAN Overall Description

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010370	25.401	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.402: Synchronisation in UTRAN Stage 2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010371	25.402	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TS 25.410: UTRAN Iu Interface: General Aspects and Principles

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010372	25.410	3.3.0/4.0.0	Agreed CRs	approved	3.4.0/4.1.0

CRs to TS 25.411: UTRAN Iu interface Layer 1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010373	25.411	3.4.0/4.0.0	Agreed CRs	approved	3.5.0/4.1.0

CRs to TS 25.413: UTRAN Iu interface RANAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010374	25.413	3.5.0/4.0.0	Agreed CRs (1)	Replaced by RP-010454	-
RP-010454	25.413	3.5.0/4.0.0	Agreed CRs (1)	approved	3.6.0/4.1.0
RP-010375	25.413	3.5.0/4.0.0	Agreed CRs (2)	approved	3.6.0/4.1.0

CRs to TS 25.415: UTRAN Iu interface user plane protocols

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010376	25.415	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.419: UTRAN Iu Interface: Service Area Broadcast Protocol SABP

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010377	25.419	3.4.0/4.0.0	Agreed CRs	approved	3.5.0/4.1.0

CRs to TS 25.423: UTRAN Iur interface RNSAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010378	25.423	3.5.0/4.0.0	Agreed CRs (1)	approved	3.6.0/4.1.0
RP-010379	25.423	3.5.0/4.0.0	Agreed CRs (2)	approved	3.6.0/4.1.0
RP-010380	25.423	3.5.0/4.0.0	Agreed CRs (3)	approved	3.6.0/4.1.0

CRs to TS 25.427: UTRAN Iur and Iub interface user plane protocols for DCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010381	25.427	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.430: UTRAN Iub Interface: General Aspects and Principles

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010382	25.430	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TS 25.433: NBAP specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010383	25.433	3.5.0/4.0.0	Agreed CRs (1)	approved	3.6.0/4.1.0
RP-010384	25.433	3.5.0/4.0.0	Agreed CRs (2)	approved	3.6.0/4.1.0
RP-010385	25.433	3.5.0/4.0.0	Agreed CRs (3)	approved	3.6.0/4.1.0

CRs to TS 25.435: UTRAN Iub interface user plane protocols for CCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010386	25.435	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TR 25.931: UTRAN Functions, Examples on Signalling Procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010387	25.931	3.3.0/4.0.0	Agreed CRs	approved	3.4.0/4.1.0

Reports from WG3 for information

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-010388	30.531	0.9.0	Workplan	noted	0.9.0

8.3.4 Approval of CRs (Rel-4) from TSG-RAN WG3

CRs to TS 25.401: UTRAN Overall Description

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010389	25.401	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.402: Synchronisation in UTRAN Stage 2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010390	25.402	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.410: UTRAN Iu Interface: General Aspects and Principles

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010391	25.410	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.413: UTRAN Iu interface RANAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010392	25.413	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.415: UTRAN Iu interface user plane protocols

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010393	25.415	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.423: UTRAN Iur interface RNSAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010394	25.423	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.427: UTRAN Iur and Iub interface user plane protocols for DCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010395	25.427	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.433: NBAP specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010396	25.433	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.434: UTRAN Iub interface data transport & transport signalling for CCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010397	25.434	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.435: UTRAN Iub interface user plane protocols for CCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010398	25.435	4.0.0	Agreed CRs	approved	4.1.0

CRs to TR 25.850: UE positioning in UTRAN lub/lur protocol aspects

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010399	25.850	4.0.0	Agreed CRs	approved	4.1.0

8.4 TSG-RAN WG4

8.4.1 Report from TSG-RAN WG4

RP-010346 Status Report WG4 (TSG-RAN WG4 Chairman)

Howard Benn (Chairman TSG-RAN WG4) presented this report.

Presentation:

- The number and magnitude of corrections to the BTS and UE R'99 specifications is reducing, and yet again significant progress had been made on the RRM documents. Only minor corrections to the RRM documents should be expected in future meetings.
- In the RAN #11 meeting it was highlighted that more detailed simulations to study the effect of compressed mode would be required. Additional simulations have been presented which show a maximum of 12 % reduction in capacity when compressed mode is active.
- The number of documents being covered in the meeting was increasing, at meeting #14 there were a total of 341 inputs.

Decision: The report was noted.

8.4.2 Discussions on decisions from TSG-RAN WG4

RP-010439 Elimination of TFCs based on power requirements (Qualcomm)

Francesco Grilli (Qualcomm) presented this document.

Discussion: The document explained that there was a conflict between CR 109 and CR 110 to 25.133 on the one hand and the current WG2 specifications on the other hand, and that therefore two alternative CRs (124 and 125) were provided. In answer to concerns from WG4, it was explained that nothing had changed in WG2; in WG2 only the model was described. The problem was "MAC shall request RLC..." that mandates internal behaviour (between two layers) in an implementation.

Decision: The document was noted.

RP-010440 Replaced CR 124 (R'99) and CR 125 (Rel-4 Category A) to 25.133 (Qualcomm)

This document was replaced by RP-010477.

RP-010477 Replaced CR 124r1 (R'99) and CR 125r1 (Rel-4 Category A) to 25.133 (Qualcomm)

This document was replaced by RP-010495.

RP-010495 Approved CR 124r2 (R'99) and CR 125r2 (Rel-4 Category A) to 25.133 (Qualcomm)

Decision: The CRs were **approved** (see 8.4.3).

8.4.3 Approval of CRs (R'99 and Rel-4 Category A) from TSG-RAN WG4

CRs to TS 25.101: UE Radio transmission and reception (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010347	25.101	3.6.0/4.0.0	Agreed CRs	approved 1) 2)	3.7.0/4.1.0

- 1) CR 101 and CR 102 were for UMTS 1900. Consistent with earlier decisions, these CRs were **rejected**. It was commented that the changes necessary for UMTS 1900 should not be in R'99, but in Rel-5 (because of the decisions in the previous TSG-RAN plenary on release-independency). The

easiest for ITU-R would be to refer to 25.307. It was proposed that the scope of 25.307 could be extended to cover the network side. Whether these CRs were still needed then remained to be seen. It was explained that on receiver sensitivity and channel raster there would be a conflict if it was re-specified in Rel-5. It was commented also that there were consequences outside the scope of TSG-RAN also (such as on tests) depending on the decision taken on this. **This would need to be discussed in the next WG4 meeting and WG4 was requested to keep WG2 and other impacted WGs informed of the conclusions. This issue would be revisited when the final decisions on UMTS 1800 and UMTS 1900 would be taken.**

- 2) CR 105 and CR 106 were contradictory to Japanese regulations. More discussion was needed within WG4 before any acceptable correction could be incorporated. These CRs were **rejected**.

CRs to TS 25.102: UE Radio transmission and reception (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010348	25.102	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.104: BTS Radio transmission and reception (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010349	25.104	3.6.0/4.0.0	Agreed CRs	approved 1)	3.7.0/4.1.0

- 1) CR 073 and CR 074 were **rejected** as they were related to UMTS 1900 (in line with the discussion above).

CRs to TS 25.105: BTS Radio transmission and reception (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010350	25.105	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0

CRs to TS 25.123: Requirements for support of Radio Resource Management (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010351	25.123	3.5.0/4.0.0	Agreed CRs (1)	approved	3.6.0/4.1.0
RP-010352	25.123	3.5.0/4.0.0	Agreed CRs (2)	approved	3.6.0/4.1.0

CRs to TS 25.133: Requirements for support of Radio Resource Management (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010353	25.133	3.5.0/4.0.0	Agreed CRs (1)	approved	3.6.0/4.1.0
RP-010354	25.133	3.5.0/4.0.0	Agreed CRs (2)	approved 1)	3.6.0/4.1.0
RP-010440	25.133	3.5.0/4.0.0	Proposed CR 124 and CR 125	replaced by RP-010477	-
RP-010477	25.133	3.5.0/4.0.0	Proposed CR 124r1 and CR 125r1	replaced by RP-010495	-
RP-010495	25.133	3.5.0/4.0.0	Proposed CR 124r2 and CR 125r2	approved	3.6.0/4.1.0

- 1) CR 109 and CR 110 were **replaced** by CR 124 and CR 125 in RP-010440, which in turn was replaced by RP-010477, which in turn was replaced by RP-010495.

CRs to TS 25.141: Base station conformance testing (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010355	25.141	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TS 25.142: Base station conformance testing (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010356	25.142	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0

CRs to TR 25.942: RF System Scenarios

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010357	25.942	3.0.0/ 4.0.0	Agreed CRs	approved	3.1.0/ 4.1.0

8.4.4 Approval of CRs (Rel-4) from TSG-RAN WG4

CRs to TS 25.101: UE Radio transmission and reception (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010358	25.101	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.102: UE Radio transmission and reception (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010359	25.102	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.104: BTS Radio transmission and reception (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010360	25.104	4.0.0	Agreed CRs	replaced by RP-010467	-
RP-010467	25.104	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.105: BTS Radio transmission and reception (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010361	25.105	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.113: Base station EMC

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010362	25.113	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.123: Requirements for support of Radio Resource Management (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010363	25.123	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.133: Requirements for support of Radio Resource Management (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010364	25.133	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.141: Base station conformance testing (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010365	25.141	4.0.0	Agreed CRs	withdrawn	-

CRs to TS 25.142: Base station conformance testing (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010366	25.142	4.0.0	Agreed CRs	approved	4.1.0

CRs to TS 25.143: UTRA Repeater; Conformance Testing

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010367	25.143	4.0.0	Agreed CRs	approved	4.1.0

Reports from WG4 for approval

Tdoc	Agreed as spec	Presented as version	Title	Result	Final version
RP-010437	25.943	2.1.0	Deployment aspects	approved	4.0.0

8.5 ITU Ad Hoc**RP-010421 Status Report (ITU-R Ad Hoc Contact Person)**

Giovanni Romano (TILab) presented this report.

Discussion: It was commented that there might be a change of schedule due to discussions with ITU-R.

Decision: The report was noted.

RP-010422 Terminology used within 3GPP (ITU-R Ad Hoc)

Giovanni Romano (TILab) presented this report.

Discussion: The document belonged to TSG-SA and could therefore not formally be approved.

Decision: The document was noted. The contents were endorsed pending decision on the version to be distributed after discussion in TSG-SA.

RP-010423 Update submission for CDMA DS and CDMA TDD (ITU-R Ad Hoc)

Giovanni Romano (TILab) presented this report.

Discussion: There was a question on the criteria that determined what was included and what not. On smart antennas it was commented that this had been deleted as a WI already in TSG-RAN #10. However, it was supported already to some extent. It was commented that the document should contain what was important, for visibility, and did not need to be exhaustive. Input was needed to explain the release-independency of frequency bands. There were some detailed comments that would be taken into account. This was only a draft, so comments were still possible. It was important that the final version reflected the correct information for ITU-R WP8F. A drafting session would be held for Annex 1.

Decision: The document was noted. Annex 2, 3, 4, 5, 6, 7, 8 and 9 were approved. An update was provided in RP-010489.

RP-010489 Update submission for CDMA DS and CDMA TDD (ITU-R Ad Hoc drafting group)

Giovanni Romano (TILab) presented this report.

Decision: The document was noted. All annexes were approved. The contents of this document would be submitted to ITU-R. The WGs were also tasked to consider the information that needs to be submitted to ITU-R in September.

RP-010424 Reminder for the OPs on the compliance with ITU-R procedures & on the transposition of 3GPP Specs (ITU-R Ad Hoc)

Giovanni Romano (TILab) presented this report.

Decision: The document was approved. Francois Courau (Chairman) would forward it to PCG.

9 Release 5 and beyond

General

RP-010451 Work plan (MCC)

The document was for information.

RP-010452 MCC review of the Work Plan (MCC)

Hans van der Veen (Secretary) and Francois Courau (Chairman) presented this document.

Discussion: The intention was to provide a more user-friendly overview of the status of the WIs for information (prior to the TSG-RAN, TSG-CN and TSG-T meetings).

Decision: The document was noted.

RP-010296 Work Item sheets - Latest situation (Secretary)

RP-010297 Historic Work Item sheets (Secretary)

Decisions per Work Item:

1. *Low chip rate TDD option.*
Moved to Historic Work Item sheets.
2. *Base station classification.*
3. *FDD Base station classification.*
4. *TDD Base station classification.*
5. *UE positioning in UTRA TDD.*
Replaced by 34. and 35.
6. *UE positioning in UTRA FDD.*
Replaced by 34. and 35.
7. *Hybrid ARQ II/III.*
8. *NodeB Synchronisation for TDD.*
Moved to Historic Work Item sheets.
9. *UTRA FDD Repeater Specification.*
Moved to Historic Work Item sheets.
10. *QoS optimization for AAL type 2 connections over Iub and Iur interfaces.*
Moved to Historic Work Item sheets.
11. *Terminal power saving features.*
12. *PS-Domain handover for real-time services.*
Moved to Historic Work Item sheets.
13. *RAB Quality of Service Negotiation/Renegotiation over Iu.*
Moved to Historic Work Item sheets.
14. *RRM optimizations for Iur and Iub.*
15. *Radio access bearer support enhancement.*
16. *Improvement of inter-frequency and inter-system measurements.*
17. *Improved usage of downlink resource in FDD for CCTrCHs of dedicated type.*

18. *IP Transport in UTRAN.*
19. *Transcoder Free Operations in UTRAN*
Moved to Historic Work Item sheets.
20. *Evolution of the transport in the UTRAN.*
21. *Radio Interface Improvement Feature.*
22. *RAN Improvement Feature.*
23. *UE Positioning.*
24. *Void.*
This Work Item was deleted in TSG-RAN #9.
25. *Void.*
This Work Item was deleted in TSG-RAN #10.
26. *Low Chip Rate TDD Physical Layer.*
Moved to Historic Work Item sheets.
27. *Low chip rate TDD layer 2 and layer 3 protocol aspects.*
Moved to Historic Work Item sheets.
28. *Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing.*
Moved to Historic Work Item sheets.
29. *Void.*
This Work Item was deleted in TSG-RAN #10.
30. *Low Chip Rate TDD UE radio access Capability.*
Moved to Historic Work Item sheets.
31. *Low chip rate TDD UTRAN network Iub/Iur protocol aspects.*
Moved to Historic Work Item sheets.
32. *RAB Quality of Service Negotiation over Iu.*
Moved to Historic Work Item sheets.
33. *RAB Quality of Service Renegotiation over Iu.*
Moved to Historic Work Item sheets.
34. *Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99.*
Moved to Historic Work Item sheets.
35. *UE positioning enhancements.*
36. *RAN Technical Small Enhancements and Improvements.*
This WI sheet was replaced by the general WI for all TSGs established during the TSG-SA meeting in Bangkok. Therefore no further action was required within TSG-RAN.
37. *DSCH power control improvement in soft handover.*
Moved to Historic Work Item sheets.
38. *Transport bearer modification procedure on Iub, Iur and Iu (was: Migration to Modification procedure).*
Moved to Historic Work Item sheets.
39. *UMTS 1800.*
40. *RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes.*
41. *RAB Quality of Service Negotiation over Iu during relocation.*
42. *Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning.*

43. *High Speed Downlink Packet Access (HSDPA).*
44. *High Speed Downlink Packet Access (HSDPA) - Physical Layer.*
45. *High Speed Downlink Packet Access (HSDPA) - layer 2 and 3 aspects.*
46. *High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects.*
47. *High Speed Downlink Packet Access (HSDPA) - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing.*
48. *Multiple Input Multiple Output antennas (MIMO).*
49. *Gated DPCCH Transmission.*
50. *UMTS 1900.*
51. *Enhancement on the DSCH hard split mode.*
52. *NodeB Synchronisation for 1.28 Mcps TDD.*
53. *RL Timing Adjustment.*
54. *Separation of resource reservation and radio link activation.*
55. *Traffic Termination Point Swapping.*
56. *Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods.*
57. *UE positioning enhancements for 1.28 Mcps TDD.*

RP-010298 Study Item sheets - Latest situation (Secretary)

RP-010299 Historic Study Item sheets (Secretary)

Decisions per Study Item:

1. *Radio link performance enhancements.*
2. *High speed downlink packet access.*
Moved to Historic Study Item sheets.
3. *USTS.*
4. *Feasibility Study for Improved Common DL Channel for Cell-FACH State.*
5. *Feasibility Study of UE antenna efficiency test methods performance requirements.*
6. *Fast Cell Selection (FCS) for HS-DSCH.*
7. *Improvement of Radio Resource Management across RNS and RNS/BSS.*
8. *Mitigating the Effect of CPICH Interference at the UE.*

9. *Re-introduction of the downlink SIR measurement.*

IMPORTANT:

1) The WGs shall present finished CRs for Rel-5 WIs to the TSG-RAN plenary. On a case-by-case basis, the TSG-RAN plenary will decide whether to approve them immediately (and thus create new Rel-5 versions of the specifications), or to keep them "on hold".

Only if it is already known that the WI is not finished in this WG, it is not useful to bring the CRs to the plenary.

2) WGs are reminded that TRs/TSs should not normally be presented to TSG-RAN unless they are 50% complete (and thus in version 1.0.0). Otherwise the content of the published document could be taken as valid whereas the version number indicates completely unstable information that should not be provided to the outside world.

9.1 Radio Interface Improvement Feature

9.1.1 Improvement of inter-frequency and inter-system measurements

Status

There was no progress on this WI. The completion date would be left as is.

9.1.2 Base Station Classification

9.1.3 TDD Base station classification

Status

RP-010459Status Report WI "TDD Base Station Classification" (Rapporteur)

Antti Toskala (Rapporteur) presented this status report.

Discussion: The work was completed, but in order to avoid having to maintain Rel-5 specifications, it was proposed not to approve CRs before December. It was debated at some length what was the best way to have visibility at plenary level while not burdening WGs with too early approval. See the bold text with purple background above.

Decision: The status report was noted. For the decision on the visibility, see the bold text with purple background above.

RP-010458Cover sheet for TR 25.952 (TSG-RAN WG4)

RP-010457TR 25.952 v2.0.0 "TDD Base Station Classification" (TSG-RAN WG4)

Antti Toskala (Rapporteur) presented this TR.

Decision: The TR was **approved** as v5.0.0 and it was placed under change control.

9.1.4 FDD Base Station Classification

Status

RP-010462Status Report WI "FDD Base Station Classification" (Rapporteur)

Antti Toskala (Rapporteur) presented this status report.

Discussion: The editor of the TR had changed. This would need to be changed in the database.

Decision: The status report was noted.

9.1.5 Improved usage of downlink resource in FDD for CCTrCHs of dedicated type

Status

There was no progress on this WI. The completion date would be left as is.

9.1.6 Gated DPCCH Transmission (situation to be revisited based on decision by WG1, WG2 and WG3)

Status

RP-010418 Status Report WI "Gated DPCCH Transmission" (Rapporteur)

Yongjun Kwak (Rapporteur) presented this status report.

Discussion: There had been a joint meeting between WG1, WG2 and WG3 during their co-located meeting in Korea (21-25 May). It was not justified for WG1 to continue on this topic unless the view in WG2 and WG3 changed. It was proposed to remove this WI.

Decision: The status report was noted.

RP-010417 Revised WI sheet for WI "Gated DPCCH Transmission" (Samsung)

This document was withdrawn.

9.1.7 Terminal power saving features

Status

RP-010470 Revised WI sheet for WI "Terminal power saving features" (Rapporteur)

This document was replaced by RP-010485.

RP-010485 Revised WI sheet for WI "Terminal power saving features" (Samsung Electronics, Nortel Networks, Nokia)

Denis Fauconnier (Nortel Networks) presented this revised WI sheet.

Decision: The WI sheet was approved.

9.1.8 UMTS 1800

Status

RP-010464 Status Report WIs "UMTS 1800" and "UMTS 1900" (Rapporteur)

Howard Benn (Rapporteur) presented this status report.

Discussion: The completion date was foreseen to be the next plenary meeting. It was explained that various groups had already been involved and that information had been exchanged. Vodafone's view on the status of the simulations were that they were not comprehensive and did not fully address all scenarios especially relating to European deployment.

Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010324	WG2	Agreed CRs	postponed 1)

1) Since the WI had not been finished yet, this CR was **postponed**.

9.1.9 UMTS 1900

Status

See RP-010464 in Agenda Item 9.1.8

RP-010476 Proposed UMTS1800/1900 WI Work Schedule (AT&T Wireless Services, Cingular Wireless LLC)

Donglin Shen (AT&T WS) presented this document.

Discussion: It would be good to create a new document similar to the RF Scenarios TR, but for Rel-5 only. For the signalling, WG2 should be involved.

Decision: The document was noted. **WG4 was requested to consider this document for its time plan and to take action as necessary.**

9.1.10 Multiple Input Multiple Output antennas (MIMO)

Status

Discussion has started on the e-mail exploder. The completion date would be left as is.

9.1.11 Enhancement on the DSCH hard split mode

Status

RP-010419 Status Report WI "Enhancement on the DSCH hard split mode" (Rapporteur)

Yongjun Kwak (Rapporteur) presented this status report.

Decision: The status report was noted.

RP-010420 TR 25.870 v0.1.0 "Enhancement on the DSCH hard split mode" (Rapporteur)

This document was replaced by RP-010468.

RP-010468 TR 25.870 v0.1.0 "Enhancement on the DSCH hard split mode" (Rapporteur)

Yongjun Kwak (Rapporteur) presented this TR.

Discussion: Francois Courau (Chairman) repeated that TRs/TSs should not normally be presented to TSG-RAN unless they were 50% complete (and thus in version 1.0.0).

Decision: The TR was **noted**.

RP-010433 Revised WI sheet for WI "Enhancement on the DSCH hard split mode" (Rapporteur)

This document was replaced by RP-010469.

RP-010469 Revised WI sheet for WI "Enhancement on the DSCH hard split mode" (Rapporteur)

Yongjun Kwak (Rapporteur) presented this status report.

Decision: The WI sheet was approved.

9.2 RAN Improvement Feature

9.2.1 NodeB Synchronisation for 1.28 Mcps TDD

Status

Only a TR outline was agreed. No further work had been done. Completion date would be unchanged.

9.2.2 Radio access bearer support enhancement

Status

No progress since the previous plenary. Completion date would be unchanged (it was a "basket" WI).

9.2.3 Radio Link Timing Adjustment

Status

RP-010407 Status Report WI "Radio Link Timing Adjustment" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.

Discussion: There was no change of the completion date.

Decision: The status report was noted.

9.2.4 Separation of resource reservation and radio link activation

Status

RP-010409 Status Report WI "Separation resource reservation and activation" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.

Discussion: There was no change of the completion date.

Decision: The status report was noted.

RP-010487 Revised WI sheet for WI "Separation of resource reservation and radio link activation" (Nortel Networks, Ericsson)

Denis Fauconnier (Nortel Networks) presented this revised WI sheet.

Decision: The WI sheet was approved.

9.2.5 Traffic Termination Point Swapping

Status

RP-010410 Status Report WI "Traffic Termination Point Swapping" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.

Discussion: There was no change of the completion date. The name would be changed to "Re-arrangement of Iub Transport Bearers".

Decision: The status report was noted.

RP-010465 Revised WI sheet for WI "Traffic Termination Point Swapping" (Rapporteur)

Antti Toskala (Rapporteur) presented this revised WI sheet.

Decision: The WI sheet was approved.

9.3 Evolution of the transport in the UTRAN

9.3.1 IP transport in UTRAN

Status

RP-010405 Status Report WI "IP Transport" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.

Discussion: The issue on IPv4 and IPv6 was very difficult and had cost TSG-RAN WG3 a lot of time. It was better to have an agreement in TSG-RAN. It was explained that should a vote be necessary, a certain time was needed to announce it in advance, which meant that the WG3 meeting in August was the earliest opportunity to take such a vote. A discussion was held with CN delegates present, see RP-010416 in agenda item 8.3.1.

Decision: The status report was noted.

RP-010425 TR 25.933 v1.1.0 "IP transport in UTRAN" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.

Decision: The TR was **noted**.

9.4 UE Positioning

9.4.1 UE positioning enhancements

Status

See RP-010411 (in agenda item 8.2.1).

9.4.2 UE positioning enhancements for 1.28 Mcps TDD

Status

There was no progress on this WI. The completion date would be left as is.

9.4.3 Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning

Status

RP-010327 Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning" (Rapporteur)

Vince Jolley (Rapporteur) presented this status report.

Decision: The status report was noted.

RP-010414 Revised WI Sheet for WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning" (Qualcomm)

Vince Jolley (Rapporteur) presented this revised WI sheet.

Decision: The WI sheet was approved.

RP-010400TS 25.450 v2.0.0 (TSG-RAN WG3)

Vince Jolley (Rapporteur) presented this TS.

Discussion: It was asked whether other positioning methods could be added to this TS at a later stage.

Decision: The TS was **approved** as v5.0.0 and it was placed under change control. **WG2 and WG3 would consider the question on other positioning methods (based on other WIs) from architectural point of view and WG3 would discuss subsequently whether such other positioning methods would be covered in this specification or in new ones.**

RP-010401TS 25.451 v2.0.0 (TSG-RAN WG3)

Vince Jolley (Rapporteur) presented this TS.

Decision: The TS was **approved** as v5.0.0 and it was placed under change control.

RP-010402TS 25.453 v2.0.0 (TSG-RAN WG3)

Vince Jolley (Rapporteur) presented this TS.

Discussion: It was clarified that the specification (and the previous ones) was not frozen at this stage; if approved, it only meant at this stage that it would be under change control.

Decision: The TS was **approved** as v5.0.0 and it was placed under change control.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010325	WG2	Agreed CRs	approved
RP-010403	WG3	Agreed CRs	approved 1)

1) It was commented that the architecture picture could need to be updated to make it more general for other positioning methods. However, this would be based on other WIs.

9.4.4 Open interface between the SMLC and the SRNC within the UTRAN to support UTRAN Rel-4 Positioning

Status

There had been a proposed TR skeleton, which would be discussed by e-mail as there had been no time in the last meeting to handle it. The completion date would be left as is.

9.5 RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Status

RP-010406Status Report WI "NAS Node Selector Function (RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes)" (TSG-RAN WG3)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.

Discussion: The work was waiting for input from TSG-SA WG2.

Decision: The status report was noted.

9.6 High Speed Downlink Packet Access (HSDPA)

Status

RP-010328Status report WIs "HSDPA and HSDPA - layer 2 and 3 aspects" (Rapporteur)

Denis Fauconnier (TSG-RAN WG2 Chairman) presented this status report.

Discussion: WG1 and WG2 had made significant progress and had had two joint meetings. WG3 had started looking at HSDPA and would start work in earnest with a joint meeting with WG2 in August. For WG4 no issues had been identified yet.

Decision: The status report was noted.

RP-010345TR 25.855 v1.0.0 "High Speed Downlink Packet Access; Overall UTRAN Description" (TSG-RAN WG2)

Denis Fauconnier (TSG-RAN WG2 Chairman) presented this TR.

Discussion: There was a question about a discrepancy between this TR and the WG1 report. The TR was for information only at this stage and more details on the physical layer aspects would be worked out. The discrepancy would be taken into account. On the question of possible impact on current hardware, this was in the open issues list only, so it was not clear whether or not there would be such an impact (WG1 and WG2 would be considering this).

Decision: The TR was **noted**.

9.6.1 High Speed Downlink Packet Access (HSDPA) - *Physical Layer*

Status

RP-010461Status Report WI "HSDPA - Physical layer aspects" (Rapporteur)

Antti Toskala (TSG-RAN WG1 Chairman) presented this status report.

Discussion: It was commented that some of the simulations did not follow the assumptions from the Vodafone contribution to the joint WG1/WG2 meeting in Sophia Antipolis. It was difficult to guarantee system capacity simulations would follow these assumptions, although it could be recommended.

Decision: The status report was noted. **The contribution would be distributed again on the WG1 reflector.**

9.6.2 High Speed Downlink Packet Access (HSDPA) - *layer 2 and 3 aspects*

Status

See RP-010328 (agenda item 9.6).

9.6.3 High Speed Downlink Packet Access (HSDPA) - *Iub/Iur Protocol Aspects*

Status

RP-010404Status Report WI "HSDPA Iub/Iur protocol aspects" (TSG-RAN WG3)

Discussion: The WG3 status was already covered in RP-010328.

Decision: The status report was noted.

9.6.4 High Speed Downlink Packet Access (HSDPA) - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing

Status

No issues had been identified yet.

9.7 Technical Small Enhancement and Improvements

There was no input for this agenda item.

9.8 Study Items:

9.8.1 Radio link performance enhancements

Status

RP-010478 Status Report SI "Radio link performance enhancements" (Rapporteur)

Antti Toskala (TSG-RAN WG1 Chairman) presented this status report.

Decision: The status report was noted.

RP-010344 TR 25.869 v1.0.0 "RAN WG1 report on Tx diversity solutions for multiple antennas" (TSG-RAN WG1)

This document was replaced by RP-010471.

RP-010471 TR 25.869 v1.0.0 "RAN WG1 report on Tx diversity solutions for multiple antennas" (TSG-RAN WG1)

Yongjun Kwak (Rapporteur) presented this TR.

Decision: The TR was **noted**.

9.8.2 USTS

Status

RP-010427 Status Report SI "USTS" (Rapporteur)

Jin Hyo Park (Rapporteur) presented this status report.

Discussion: There were several comments indicating that it was not clear what the performance gain of USTS was. It was stated that the incremental gain should be shown, taking into account what was already in existing releases (interference cancellation, beamforming etc.). The simulations seemed not to have taken this into account. In answer to this, it was explained that USTS was intended for a different environment than for instance interference cancellation. It was explained that the only result asked for so far was to create a WI USTS, not whether USTS should be taken into the specifications. However, it was stated that the simulations did not take the system view into account, only the layer 1 view.

Decision: The status report was noted. **WG1 would review the simulation to be performed during the Ad Hoc group meeting, and comments/requirements on the simulations should be provided for that meeting. Any resulting actions should be considered at the regular WG1 meeting.**

RP-010428 TR 25.854 v1.0.0 "USTS" (Rapporteur)

Decision: The TR was **noted**.

RP-010426 TR 25.839 v0.2.0 "USTS" (TSG-RAN WG3)

Decision: The TR was **noted**.

RP-010429 Proposed WI "USTS" (SK Telecom)

The document was not treated due to the outcome of the discussion on RP-010427.

9.8.3 Feasibility Study for Improved Common DL Channel for Cell-FACH State

Status

There has been no activity. Work was still pending in WG1. The completion date would be changed to TSG-RAN #14. **WG1 should provide an answer, so that WG2 can provide the status at TSG-RAN #13.**

9.8.4 Feasibility Study of UE antenna efficiency test methods performance requirements

Status

RP-010432 Status Report SI "Feasibility Study of UE antennas" (Rapporteur)

Olle Edvardsson (Rapporteur) presented this status report.

Discussion: It was commented that it was easy to make a comparative study of different antennas at the same test site. However, measuring the same equipment using the same method in different laboratories may lead to the same equipment passing in one laboratory and being rejected in another one. The only way to make a reliable decision was to know tolerances that had been achieved during measurements of the same equipment in several laboratories.

Decision: The status report was noted.

9.8.5 Fast Cell Selection (FCS) for HS-DSCH

Status

There was no progress, but the completion date should remain the same.

9.8.6 Improvement of Radio Resource Management across RNS and RNS/BSS

Status

RP-010408 Status Report SI "Improvement RRM across RNS and RNS/BSS" (TSG-RAN WG3)

Antti Toskala (Rapporteur) presented this status report.

Decision: The status report was noted.

RP-010480 Revised SI Sheet for SI "Improvement of Radio Resource Management across RNS and RNS/BSS" (Rapporteur)

Antti Toskala (Rapporteur) presented this revised SI sheet.

Discussion: There was a need for some co-ordination between WG1, WG2 and TSG-GERAN WG2. This would be taken care of.

Decision: The SI sheet was approved.

9.8.7 Mitigating the Effect of CPICH Interference at the UE

Status

RP-010430 Status Report SI "Mitigating the Effect of CPICH Interference at the UE" (Rapporteur)

Shimon Moshavi (Rapporteur) presented this status report.

Decision: The status report was noted.

**RP-010431 Revised SI Sheet for SI "Mitigating the Effect of CPICH Interference at the UE"
(Rapporteur)**

Shimon Moshavi (Rapporteur) presented this revised SI sheet.

Decision: The SI sheet was approved.

9.8.8 Re-introduction of the downlink SIR measurement

Status

RP-010434 Proposed SI sheet for SI "Re-introduction of SIR measurement" (TIM/TILAB, Blu, Ericsson, Mobilkom Austria, One2One, Telefonica)

Giovanni Romano (TILab) presented this SI sheet.

Discussion: This SI covered the SIR measurement for dedicated channel only, and did not apply to the measurement on CPICH.

Decision: The SI sheet was approved.

9.9 New Work Items

RP-010413 Proposed WI "Wideband Distribution Systems" (Tekmar Sistemi)

Andrea Casini (Tekmar Sistemi) presented this WI proposal.

Discussion: This should be a Study Item since the proposal involved a new entity that could modify the Node B behaviour, and could therefore also impact WG2 and WG3 (apart from WG4), and TSG-SA WG5. Infrastructure sharing was another issue, and there were more topics brought up. This needed to be taken into account.

Decision: The WI was approved as a Study Item. The WI sheet needed to be revised to an SI sheet to reflect this and to incorporate the comments. This was done in RP-010488.

RP-010488 Proposed SI "Wideband Distribution Systems" (Tekmar Sistemi)

Andrea Casini (Tekmar Sistemi) presented this SI proposal.

Decision: The SI was approved. The SI sheet was approved.

RP-010450 Proposed WI "Base Station Classification for 1.28 Mcps TDD option" (Siemens)

Meik Kottkamp (Siemens) presented this WI proposal.

Decision: The WI was approved. The WI sheet was approved.

RP-010460 Proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (Nokia, Hutchison 3G, Omnitel/Vodafone)

Antti Toskala (Nokia) presented this WI proposal.

Discussion: This was the WI that had been rejected in TSG-SA #11. The proposed WI in TSG-SA WG1 did not mention any work for TSG-RAN. The WI sheet should be updated to shift the completion date.

Decision: The WI was approved **on condition that TSG-SA agrees to have this work done**. On the same condition, with the comments made, the WI sheet was approved.

RP-010463 Proposed WI "SRNS relocation enhancement" (Nokia)

Antti Toskala (Nokia) presented this WI proposal.

Discussion: It was asked what was the benefit of this proposal, since a solution was seen to be already there. It was better to make this a Study Item first with a completion date of TSG-RAN #13. The objective should also be adapted to make it more open.

Decision: The WI was approved as a Study Item. The WI sheet needed to be revised to an SI sheet to reflect this and to incorporate the comments. This was done in RP-010490.

RP-010490 Proposed SI "SRNS relocation enhancement" (Nokia, Nortel Networks)

Antti Toskala (Nokia) presented this WI proposal.

Decision: The SI was approved. The SI sheet was approved.

RP-010472 Proposed WI "Direct transport bearers between SRNC and Node-B" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Discussion: For TSG-RAN, the change is very small, but it has major impact. For this reason it was proposed to become a Study Item, in order to study the consequences (on relocation for instance). There needed to be a link with the SI on SNRS relocation enhancement.

Decision: The WI was approved as a Study Item. The WI sheet needed to be revised to an SI sheet to reflect this and to incorporate the comments. This was done in RP-010492.

RP-010492 Proposed SI "Direct transport bearers between SRNC and Node-B" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Discussion: The word "artificial" was agreed to be removed.

Decision: The SI was approved. The SI sheet was approved with this modification.

RP-010473 Proposed WI "Iur Common Transport Channel Efficiency Optimisation" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Decision: The WI was approved. The WI sheet was approved.

RP-010474 Proposed WI "Iur Neighbouring cell reporting Efficiency Optimisation" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Discussion: The WI sheet could be re-worded; it was a small issue. There was no reason to have a TR for this and this should be removed from the WI sheet.

Decision: The WI was approved. The WI sheet was approved. TSG-RAN WG3 was tasked to review the WI sheet for the next TSG-RAN plenary.

RP-010475 Proposed WI "Vendor specific extensions in NBAP, RNSAP, RANAP and SABP messages" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Discussion: The proposal was intended to provide a tool to test new things before introducing them in the standardisation process. This type of feature had been approved for GSM in the past and it was commonly used in the Core Network. However, various operators strongly opposed the idea of vendor-specific extensions. It was warned that the consequence of rejection was that innovations would be delayed upto the point where standardisation could be achieved.

Decision: The WI was rejected. The issue would be brought up in the report to TSG-SA.

RP-010483 Proposed WI "UE Specific beamforming with dedicated pilots" (Nokia)

Antti Toskala (Nokia) presented this WI proposal.

Discussion: The work had been carried out to some extent already, but there was no WI for it. Francois Courau (Chairman) commented that it was a strange order to start the work first and ask for a WI after. It was commented that dedicated pilots had been part of the system for a long time. It was explained that it was not clear how the UE was supposed to behave in certain circumstances (reconfiguration). It was commented that the missing pieces seemed to be more WG1-related than WG4. It was stated that there was no overall TSG-RAN view at this stage and there seemed to be conflicts between assumptions in WG4 and scenarios in WG1, for instance. Also, having only a statement like "for all other cases the UE has to behave correctly" is not very helpful in implementation. Whether this WI would solve the problem was not totally clear. The two issues to look at were performance and procedures. A solution could also be found for R'99 instead of Rel-5.

Decision: The best solution was to allow possibility to implement it in R'99 or Rel-4 UEs with information provided in the UE capability and to make it mandatory for Rel-5. Antti Toskala (Nokia) was tasked to report what needed to be done in the different WGs (this implied that the WGs would need to do the necessary investigation) and what could be done with current R'99 UEs, preferably in one WG meeting cycle and to circulate the result on the TSG-RAN reflector for information and approval of the new WI sheet.

9.10 Overall RAN work plan

There was no input for this agenda item.

10 Technical co-ordination among WGs

There was no input for this agenda item.

11 Output to other groups

11.1 TSG-SA

There was no input for this agenda item.

11.2 ITU-R

RP-010422 Terminology used within 3GPP (ITU-R Ad Hoc).

See agenda item 8.5 above.

RP-010489 Update submission for CDMA DS and CDMA TDD (ITU-R Ad Hoc drafting group)

See agenda item 8.5 above.

11.3 Other

There was no input for this agenda item.

12 Project management

RP-010442 CR to 21.101: "Correction to list of specs" (MCC)

This document was provided for information.

RP-010443 CR to 21.102: "Correction to list of specs" (MCC)

This document was provided for information.

RP-010444 1st draft 21.103: "3rd Generation mobile system Release 5 Specifications" (MCC)

This document was provided for information.

RP-010445CR to 01.01: "GSM Release 1999 specifications. (MCC)

This document was provided for information.

RP-010446CR to 41.102: "GSM Release 4 Specifications" (MCC)

This document was provided for information.

RP-0104471st draft 41.103: "GSM Release 5 Specifications" (MCC)

This document was provided for information.

RP-010448Specs status list prior to TSGs#12 (MCC)

This document was provided for information.

RP-010449Spec numbers and titles (MCC)

This document was provided for information.

13 Any Other Business

There was no input for this agenda item.

14 Closing of meeting

Francois Courau (Chairman) thanked Ericsson and Telia for the organisation of the meeting and the delegates for their attendance.

For future meetings, see Annex F.

Annex A: List of delegates

Guest organisation for 3GPP (OTHER)

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TSG-RAN RP-010498- Revised draft Report of the 12th TSG-RAN meeting (Stockholm, Sweden, 12-15 June 2001)

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TSG-RAN RP-010498- Revised draft Report of the 12th TSG-RAN meeting (Stockholm, Sweden, 12-15 June 2001)

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Annex B: List of documents

Doc.No.	Title	Source	Ag.It.	Comments
RP-010280	Proposed agenda	Chairman	2	
RP-010281	Draft Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001)	Secretary	3	
RP-010282	Revised draft Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001)	Secretary	3	
RP-010283	Approved Report of the 11th TSG-RAN meeting (Palm Springs, CA, USA, 13-16 March 2001)	Secretary	3	
RP-010284	(R1-010665, copy TSG-RAN) LS on Revision of Tdoc R1-010560 "Material to be submitted to ITU-R WP8F#5"	TSG-RAN WG1	7.3	
RP-010285	(R2-011480, copy TSG-RAN) LS on Requirements on UE positioning	TSG-RAN WG2	7.3	
RP-010286	(S2-010813, copy TSG-RAN) LS on Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type paramaters of lu interface RANAP 25.413 (LOCATION REPORTING CONTROL and LOCATION REPORT messages)	TSG-SA WG2	7.1	
RP-010287	(S2-011572, to TSG-RAN) LS on Requirements on the lu Interface	TSG-SA WG2	7.1	
RP-010288	(N4-010696, copy TSG-RAN) Response to LS (R3-010988) on Highlighting Requirements to RAN3 for SRNS relocation with TrFO	TSG-CN WG4	7.1	
RP-010289	(R3-011193, to TSG-RAN) LS on Clarification of Inter-vendor aspects of Node B static parameters	TSG-RAN WG3	7.3	
RP-010290	(R3-011267, copy TSG-RAN) LS on Review of UTRAN O&M Procedures TR32.800	TSG-RAN WG3	7.3	
RP-010291	(R3-011284, copy TSG-RAN) Response to LS (S2-010813) on Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type parameters over lu interface RANAP 25.413	TSG-RAN WG3	7.3	
RP-010292	(R3-011287, copy TSG-RAN) LS on Feasibility of USTS in point of WG3	TSG-RAN WG3	7.3	
RP-010293	(R3-011841, copy TSG-RAN) Response to LS (BRAN23d132) on HIPERACCESS	TSG-RAN WG3	7.3	
RP-010294	(T1-010159, copy TSG-RAN) LS on Establishment of an Ad Hoc for RRM test	TSG-T WG1	7.1	
RP-010295	(BRAN23d132, copy TSG-RAN) Response to LS (RP-010279) on HIPERLAN	EP BRAN	7.2	
RP-010296	Work Item sheets - Latest situation	TSG-RAN Secretary	9	
RP-010297	Historic Work Item sheets	TSG-RAN Secretary	9	
RP-010298	Study Item sheets - Latest situation	TSG-RAN Secretary	9	
RP-010299	Historic Study Item sheets	TSG-RAN Secretary	9	
RP-010300	Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	8.2.1	
RP-010301	Supplement (List of agreed R'99 and Rel-4 Category A CRs) to Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	8.2.1	
RP-010302	CRs (R'99 and Rel-4 Category A) to TS 25.301	TSG-RAN WG2	8.2.3	
RP-010303	CRs (R'99 and Rel-4 Category A) to TS 25.302	TSG-RAN WG2	8.2.3	
RP-010304	CRs (R'99 and Rel-4 Category A) to TS 25.303	TSG-RAN WG2	8.2.3	
RP-010305	CRs (R'99 and Rel-4 Category A) to TS 25.304	TSG-RAN WG2	8.2.3	
RP-010306	CRs (R'99 and Rel-4 / Rel-5 Category A) to TS 25.305	TSG-RAN WG2	8.2.3	
RP-010307	CRs (R'99 and Rel-4 Category A) to TS 25.306	TSG-RAN WG2	8.2.3	
RP-010308	CRs (R'99 and Rel-4 Category A) to TS 25.321	TSG-RAN WG2	8.2.3	
RP-010309	CRs (R'99 and Rel-4 Category A) to TS 25.322	TSG-RAN WG2	8.2.3	
RP-010310	CRs (R'99 and Rel-4 Category A) to TS 25.323	TSG-RAN WG2	8.2.3	
RP-010311	CRs (R'99 and Rel-4 Category A) to TS 25.331 (1)	TSG-RAN WG2	8.2.3	
RP-010312	CRs (R'99 and Rel-4 Category A) to TS 25.331 (2)	TSG-RAN WG2	8.2.3	
RP-010313	CRs (R'99 and Rel-4 Category A) to TS 25.331 (3)	TSG-RAN WG2	8.2.3	

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Doc.No.	Title	Source	Ag.lt.	Comments
RP-010314	CRs (R'99 and Rel-4 Category A) to TS 25.331 (4)	TSG-RAN WG2	8.2.3	
RP-010315	CRs (R'99 and Rel-4 Category A) to TS 25.331 (5)	TSG-RAN WG2	8.2.3	
RP-010316	CRs (R'99 and Rel-4 Category A) to TS 25.331 (6)	TSG-RAN WG2	8.2.3	
RP-010317	CRs (R'99 and Rel-4 Category A) to TS 25.331 (7)	TSG-RAN WG2	8.2.3	
RP-010318	CRs (R'99 and Rel-4 Category A) to TR 25.921	TSG-RAN WG2	8.2.3	
RP-010319	CRs (R'99 and Rel-4 Category A) to TS 34.109	TSG-RAN WG2	8.2.3	
RP-010320	CRs (Rel-4) to TS 25.302	TSG-RAN WG2	8.2.4	
RP-010321	CRs (Rel-4) to TS 25.306	TSG-RAN WG2	8.2.4	
RP-010322	CRs (Rel-4) to TS 25.321	TSG-RAN WG2	8.2.4	
RP-010323	CRs (Rel-4) to TS 25.331	TSG-RAN WG2	8.2.4	
RP-010324	CRs (Rel-5) for WI "UMTS 1800"	TSG-RAN WG2	9.1.8	
RP-010325	CRs (Rel-5) for WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning"	TSG-RAN WG2	9.4.3	
RP-010326	TS 25.307 v2.0.0 "Requirements on UEs supporting a Release Independent Frequency Band"	TSG-RAN WG2	8.2.3	
RP-010327	Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning"	Rapporteur	9.4.3	
RP-010328	Status report WIs "HSDPA and HSDPA - layer 2 and 3 aspects"	Rapporteur	9.6	
RP-010329	Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	8.1.1	
RP-010330	Supplement (List of agreed CRs) to Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	8.1.1	
RP-010331	CRs (R'99 and Rel-4 Category A) to TS 25.211	TSG-RAN WG1	8.1.3	
RP-010332	CRs (R'99 and Rel-4 Category A) to TS 25.212	TSG-RAN WG1	8.1.3	
RP-010333	CRs (R'99 and Rel-4 Category A) to TS 25.213	TSG-RAN WG1	8.1.3	
RP-010334	CRs (R'99 and Rel-4 Category A) to TS 25.214	TSG-RAN WG1	8.1.3	
RP-010335	CRs (R'99 and Rel-4 Category A) to TS 25.215	TSG-RAN WG1	8.1.3	
RP-010336	CRs (R'99 and Rel-4 Category A) to TS 25.221	TSG-RAN WG1	8.1.3	
RP-010337	CRs (R'99 and Rel-4 Category A) to TS 25.223	TSG-RAN WG1	8.1.3	
RP-010338	CRs (R'99 and Rel-4 Category A) to TS 25.224	TSG-RAN WG1	8.1.3	
RP-010339	CRs (R'99 and Rel-4 Category A) to TS 25.225	TSG-RAN WG1	8.1.3	
RP-010340	CRs (R'99 and Rel-4 Category A) to TR 25.944	TSG-RAN WG1	8.1.3	
RP-010341	CRs (Rel-4) to TS 25.214	TSG-RAN WG1	8.1.4	
RP-010342	CRs (Rel-4) to TS 25.221	TSG-RAN WG1	8.1.4	
RP-010343	CRs (Rel-4) to TS 25.224	TSG-RAN WG1	8.1.4	
RP-010344	TR 25.869 v1.0.0 "RAN WG1 report on Tx diversity solutions for multiple antennas"	TSG-RAN WG1	9.8.1	RP-010471
RP-010345	TR 25.855 v1.0.0 "High Speed Downlink Packet Access; Overall UTRAN Description"	TSG-RAN WG2	9.6	
RP-010346	Status Report WG4	TSG-RAN WG4 Chairman	8.4.1	
RP-010347	CRs (R'99 and Rel-4 Category A) to TS 25.101	TSG-RAN WG4	8.4.3	
RP-010348	CRs (R'99 and Rel-4 Category A) to TS 25.102	TSG-RAN WG4	8.4.3	
RP-010349	CRs (R'99 and Rel-4 Category A) to TS 25.104	TSG-RAN WG4	8.4.3	
RP-010350	CRs (R'99 and Rel-4 Category A) to TS 25.105	TSG-RAN WG4	8.4.3	
RP-010351	CRs (R'99 and Rel-4 Category A) to TS 25.123 (1)	TSG-RAN WG4	8.4.3	
RP-010352	CRs (R'99 and Rel-4 Category A) to TS 25.123 (2)	TSG-RAN WG4	8.4.3	
RP-010353	CRs (R'99 and Rel-4 Category A) to TS 25.133 (1)	TSG-RAN WG4	8.4.3	
RP-010354	CRs (R'99 and Rel-4 Category A) to TS 25.133 (2)	TSG-RAN WG4	8.4.3	
RP-010355	CRs (R'99 and Rel-4 Category A) to TS 25.141	TSG-RAN WG4	8.4.3	
RP-010356	CRs (R'99 and Rel-4 Category A) to TS 25.142	TSG-RAN WG4	8.4.3	
RP-010357	CRs (R'99 and Rel-4 Category A) to TR 25.942	TSG-RAN WG4	8.4.3	
RP-010358	CRs (Rel-4) to TS 25.101	TSG-RAN WG4	8.4.4	
RP-010359	CRs (Rel-4) to TS 25.102	TSG-RAN WG4	8.4.4	

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RP-010360	CRs (Rel-4) to TS 25.104	TSG-RAN WG4	8.4.4	RP-010467
RP-010361	CRs (Rel-4) to TS 25.105	TSG-RAN WG4	8.4.4	
RP-010362	CRs (Rel-4) to TS 25.113	TSG-RAN WG4	8.4.4	
RP-010363	CRs (Rel-4) to TS 25.123	TSG-RAN WG4	8.4.4	
RP-010364	CRs (Rel-4) to TS 25.133	TSG-RAN WG4	8.4.4	
RP-010365	CRs (Rel-4) to TS 25.141	TSG-RAN WG4	8.4.4	withdrawn
RP-010366	CRs (Rel-4) to TS 25.142	TSG-RAN WG4	8.4.4	
RP-010367	CRs (Rel-4) to TS 25.143	TSG-RAN WG4	8.4.4	
RP-010368	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	8.3.1	
RP-010369	List of agreed CRs in RAN WG3 #20 and #21 meetings	TSG-RAN WG3	8.3.1	RP-010455
RP-010370	CRs (R'99 and Rel-4 Category A) to TS 25.401	TSG-RAN WG3	8.3.3	
RP-010371	CRs (R'99 and Rel-4 Category A) to TS 25.402	TSG-RAN WG3	8.3.3	
RP-010372	CRs (R'99 and Rel-4 Category A) to TS 25.410	TSG-RAN WG3	8.3.3	
RP-010373	CRs (R'99 and Rel-4 Category A) to TS 25.411	TSG-RAN WG3	8.3.3	
RP-010374	CRs (R'99 and Rel-4 Category A) to TS 25.413 (1)	TSG-RAN WG3	8.3.3	RP-010454
RP-010375	CRs (R'99 and Rel-4 Category A) to TS 25.413 (2)	TSG-RAN WG3	8.3.3	
RP-010376	CRs (R'99 and Rel-4 Category A) to TS 25.415	TSG-RAN WG3	8.3.3	
RP-010377	CRs (R'99 and Rel-4 Category A) to TS 25.419	TSG-RAN WG3	8.3.3	
RP-010378	CRs (R'99 and Rel-4 Category A) to TS 25.423 (1)	TSG-RAN WG3	8.3.3	
RP-010379	CRs (R'99 and Rel-4 Category A) to TS 25.423 (2)	TSG-RAN WG3	8.3.3	
RP-010380	CRs (R'99 and Rel-4 Category A) to TS 25.423 (3)	TSG-RAN WG3	8.3.3	
RP-010381	CRs (R'99 and Rel-4 Category A) to TS 25.427	TSG-RAN WG3	8.3.3	
RP-010382	CRs (R'99 and Rel-4 Category A) to TS 25.430	TSG-RAN WG3	8.3.3	
RP-010383	CRs (R'99 and Rel-4 Category A) to TS 25.433 (1)	TSG-RAN WG3	8.3.3	
RP-010384	CRs (R'99 and Rel-4 Category A) to TS 25.433 (2)	TSG-RAN WG3	8.3.3	
RP-010385	CRs (R'99 and Rel-4 Category A) to TS 25.433 (3)	TSG-RAN WG3	8.3.3	
RP-010386	CRs (R'99 and Rel-4 Category A) to TS 25.435	TSG-RAN WG3	8.3.3	
RP-010387	CRs (R'99 and Rel-4 Category A) to TR 25.931	TSG-RAN WG3	8.3.3	
RP-010388	TR 30.531 v0.9.0	MCC	8.3.3	
RP-010389	CRs (Rel-4) to TS 25.401	TSG-RAN WG3	8.3.4	
RP-010390	CRs (Rel-4) to TS 25.402	TSG-RAN WG3	8.3.4	
RP-010391	CRs (Rel-4) to TS 25.410	TSG-RAN WG3	8.3.4	
RP-010392	CRs (Rel-4) to TS 25.413	TSG-RAN WG3	8.3.4	
RP-010393	CRs (Rel-4) to TS 25.415	TSG-RAN WG3	8.3.4	
RP-010394	CRs (Rel-4) to TS 25.423	TSG-RAN WG3	8.3.4	
RP-010395	CRs (Rel-4) to TS 25.427	TSG-RAN WG3	8.3.4	
RP-010396	CRs (Rel-4) to TS 25.433	TSG-RAN WG3	8.3.4	
RP-010397	CRs (Rel-4) to TS 25.434	TSG-RAN WG3	8.3.4	
RP-010398	CRs (Rel-4) to TS 25.435	TSG-RAN WG3	8.3.4	
RP-010399	CRs (Rel-4) to TR 25.850	TSG-RAN WG3	8.3.4	
RP-010400	TS 25.450 v2.0.0	TSG-RAN WG3	9.4.3	
RP-010401	TS 25.451 v2.0.0	TSG-RAN WG3	9.4.3	
RP-010402	TS 25.453 v2.0.0	TSG-RAN WG3	9.4.3	
RP-010403	CRs (Rel-5) for WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning"	TSG-RAN WG3	9.4.3	
RP-010404	Status Report WI "HSDPA lub/lur protocol aspects"	TSG-RAN WG3	9.6.3	
RP-010405	Status Report WI "IP Transport"	TSG-RAN WG3	9.3	
RP-010406	Status Report WI "NAS Node Selector Function (RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes)"	TSG-RAN WG3	9.5	
RP-010407	Status Report WI "Radio Link Timing Adjustment"	TSG-RAN WG3	9.2.3	
RP-010408	Status Report SI "Improvement RRM across RNS and RNS/BSS"	TSG-RAN WG3	9.8.6	
RP-010409	Status Report WI "Separation resource reservation and activation"	TSG-RAN WG3	9.2.4	

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Doc.No.	Title	Source	Ag.lt.	Comments
RP-010410	Status Report WI "Traffic Termination Point Swapping"	TSG-RAN WG3	9.2.5	
RP-010411	Status of UE positioning	TSG-RAN WG2	8.2.1	
RP-010412	(GP-011437, to TSG-RAN) LS on Terminology clarifications	TSG-GERAN	7.1	
RP-010413	Proposed WI "Wideband Distribution Systems"	Tekmar Sistemi	9.9	
RP-010414	Revised WI Sheet for WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning"	Qualcomm	9.4.3	
RP-010415	Backwards compatibility of Release 99 versions	Motorola	8	
RP-010416	IPv4/6 in the transport layer	Motorola	8.3.2	
RP-010417	Revised WI sheet for WI "Gated DPCCH Transmission"	Samsung	9.1.6	withdrawn
RP-010418	Status Report WI "Gated DPCCH Transmission"	Rapporteur	9.1.6	
RP-010419	Status Report WI "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.11	
RP-010420	TR 25.870 v0.1.0 "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.11	RP-010468
RP-010421	Status Report	ITU-R Ad Hoc contact person	8.5	
RP-010422	Terminology used within 3GPP	ITU-R Ad Hoc	8.5	
RP-010423	Update submission for CDMA DS and CDMA TDD	ITU-R Ad Hoc	8.5	
RP-010424	Reminder for the OPs on the compliance with ITU-R procedures & on the transposition of 3GPP Specs	ITU-R Ad Hoc	8.5	
RP-010425	TR 25.933 v1.1.0 "IP transport in UTRAN"	TSG-RAN WG3	9.3.1	
RP-010426	TR 25.839 v0.2.0 "USTS"	TSG-RAN WG3	9.8.2	
RP-010427	Status Report SI "USTS"	Rapporteur	9.8.2	
RP-010428	TR 25.854 v1.0.0 "USTS"	Rapporteur	9.8.2	
RP-010429	Proposed WI "USTS"	SK Telecom	9.8.2	
RP-010430	Status Report SI "Mitigating the Effect of CPICH Interference at the UE"	Rapporteur	9.8.7	
RP-010431	Revised SI Sheet for SI "Mitigating the Effect of CPICH Interference at the UE"	Rapporteur	9.8.7	
RP-010432	Status Report SI "Feasibility Study of UE antennas"	Rapporteur	9.8.4	
RP-010433	Revised WI sheet for WI "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.11	
RP-010434	Proposed SI sheet for SI "Re-introduction of SIR measurement"	TIM/TILAB, Blu, Ericsson, Mobilkom Austria, One2One, Telefonica	9.8.8	
RP-010435	Approved CR 073r2 (R'99) and CR 074r1 (Rel-4 Category A) to 25.304	Motorola, Telia	8.2.2	
RP-010436	(R3-011868, to TSG-RAN) Response to LS (S2-011572) on Requirements on the lu Interface	TSG-RAN WG3	7.3	
RP-010437	TR 25.943 v2.1.0 "Deployment aspects"	Rapporteur	8.4.4	
RP-010438	Postponed CR 001 (Rel-4) to 25.307	MCC	8.2.2	
RP-010439	Elimination of TFCs based on power requirements	Qualcomm	8.4.2	
RP-010440	Replaced CR 124 (R'99) and CR 125 (Rel-4 Category A) to 25.133	Qualcomm	8.4.2	RP-010477
RP-010441	Replaced CR 180r3 (R'99) and CR 181r3 (Rel-4 Category A) to 25.214	Nortel Networks, Ericsson, Panasonic	8.1.2	RP-010482
RP-010442	CR to 21.101: "Correction to list of specs"	MCC	12	
RP-010443	CR to 21.102: "Correction to list of specs"	MCC	12	
RP-010444	1st draft 21.103: "3rd Generation mobile system Release 5 Specifications"	MCC	12	
RP-010445	CR to 01.01: "GSM Release 1999 specifications."	MCC	12	
RP-010446	CR to 41.102: "GSM Release 4 Specifications"	MCC	12	
RP-010447	1st draft 41.103: "GSM Release 5 Specifications"	MCC	12	
RP-010448	Specs status list prior to TSGs#12	MCC	12	
RP-010449	Spec numbers and titles	MCC	12	
RP-010450	Proposed WI "Base Station Classification for 1.28 Mcps TDD option"	Siemens	9.9	
RP-010451	Work plan	MCC	9	
RP-010452	MCC review of the Work Plan	MCC	9	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-010453	LS (R4-010723, copy TSG-RAN) on Power Output Classes for Frequency Bands II and III	TSG-RAN WG4	7.3	
RP-010454	CRs (R'99 and Rel-4 Category A) to TS 25.413 (1)	TSG-RAN WG3	8.3.3	
RP-010455	List of agreed CRs in RAN WG3 #20 and #21 meetings	TSG-RAN WG3	8.3.1	
RP-010456	Approved CR 089r2 (R'99) and CR 090r2 (Rel-4 Category A) to 25.215	TSG-RAN	8.1.3	
RP-010457	TR 25.952 v2.0.0 "TDD Base Station Classification"	TSG-RAN WG4	9.1.3	
RP-010458	Cover sheet for TR 25.952	TSG-RAN WG4	9.1.3	
RP-010459	Status Report WI "TDD Base Station Classification"	Rapporteur	9.1.3	
RP-010460	Proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	Nokia, Hutchison 3G, Omnitel/Vodafone	9.9	
RP-010461	Status Report WI "HSDPA - Physical layer aspects"	Rapporteur	9.6.1	
RP-010462	Status Report WI "FDD Base Station Classification"	Rapporteur	9.1.4	
RP-010463	Proposed WI "SRNS relocation enhancement"	Nokia	9.9	
RP-010464	Status Report WIs "UMTS 1800" and "UMTS 1900"	Rapporteur	9.1.8	
RP-010465	Revised WI sheet for WI "Traffic Termination Point Swapping"	Rapporteur	9.2.5	
RP-010466	Replaced CR 840r3 (R'99) and CR 841r1 (Rel-4 Category A) to 25.331	Qualcomm	8.2.3	RP-010479
RP-010467	CRs (Rel-4) to TS 25.104	TSG-RAN WG4	8.4.4	
RP-010468	TR 25.870 v0.1.0 "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.11	
RP-010469	Revised WI sheet for WI "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.11	
RP-010470	Revised WI sheet for WI "Terminal power saving features"	Rapporteur	9.1.7	
RP-010471	TR 25.869 v1.0.0 "RAN WG1 report on Tx diversity solutions for multiple antennas"	TSG-RAN WG1	9.8.1	
RP-010472	Proposed WI "Direct transport bearers between SRNC and Node-B"	Ericsson	9.9	RP-010492
RP-010473	Proposed WI "Iur Common Transport Channel Efficiency Optimisation"	Ericsson	9.9	
RP-010474	Proposed WI "Iur Neighbouring cell reporting Efficiency Optimisation"	Ericsson	9.9	
RP-010475	Proposed WI "Vendor specific extensions in NBAP, RNSAP, RANAP and SABP messages"	Ericsson	9.9	
RP-010476	Proposed UMTS1800/1900 WI Work Schedule	AT&T Wireless Services, Cingular Wireless LLC	9.1.9	
RP-010477	Replaced CR 124r1 (R'99) and CR 125r1 (Rel-4 Category A) to 25.133	Qualcomm	8.4.3	RP-010495
RP-010478	Status Report SI "Radio link performance enhancements"	Rapporteur	9.8.1	
RP-010479	Withdrawn CR 840r3 (R'99) and CR 841r1 (Rel-4 Category A) to 25.331	Qualcomm	8.2.3	
RP-010480	Revised SI Sheet for SI "Improvement of Radio Resource Management across RNS and RNS/BSS"	Rapporteur	9.8.6	
RP-010481	Approved CR 009r1 (R'99) and CR 010r1 (Rel-4 Category A) to 34.109	Ericsson	8.2.3	
RP-010482	Approved CR 180r4 (R'99) and CR 181r4 (Rel-4 Category A) to 25.214	Nortel Networks, Ericsson, Panasonic	8.1.2	
RP-010483	Proposed WI "UE Specific beamforming with dedicated pilots"	Nokia	9.9	
RP-010484	Isolated Impact CRs	Ad Hoc group	8	RP-010494
RP-010485	Revised WI sheet for WI "Terminal power saving features"	Samsung Electronics, Nortel Networks, Nokia	9.1.7	
RP-010486	3GPP TSG RAN Report of the PCG and OP (10-11 april 2001)	Chairman	5.2	
RP-010487	Revised WI sheet for WI "Separation of resource reservation and radio link activation"	Nortel Networks, Ericsson	9.2.4	
RP-010488	Proposed SI "Wideband Distribution Systems"	Tekmar Sistemi	9.9	
RP-010489	Update submission for CDMA DS and CDMA TDD	ITU-R Ad Hoc drafting group	8.5	
RP-010490	Proposed SI "SRNS relocation enhancement"	Nokia, Nortel Networks	9.9	
RP-010491	Report on UMTS Forum Workshop	Chairman	6.1	

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RP-010492	Proposed SI "Direct transport bearers between SRNC and Node-B"	Ericsson	9.9	
RP-010493	LS (NP-010362, to TSG-RAN) on CR numbering	TSG-CN	7.1	
RP-010494	Isolated Impact CRs	Ad Hoc group	8	
RP-010495	Approved CR 124r1 (R'99) and CR 125r1 (Rel-4 Category A) to 25.133	Qualcomm	8.4.3	

Annex C: Status table of CRs

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.101	99		R99	F	RP-12	RP-010347	R4-010526	approved	Correction for SSDD test parameters	3.6.0	3.7.0	R4	TEI
25.101	100		Rel-4	A	RP-12	RP-010347	R4-010527	approved	Correction for SSDD test parameters	4.0.0	4.1.0	R4	TEI
25.101	101		R99	F	RP-12	RP-010347	R4-010616	rejected	CR for UMTS1900 operation in Rel 99	3.6.0		R4	TEI
25.101	102		Rel-4	A	RP-12	RP-010347	R4-010617	rejected	CR for UMTS1900 operation in Rel 4	4.0.0		R4	TEI
25.101	103		R99	F	RP-12	RP-010347	R4-010671	approved	UL DPCCH slot format for performance tests	3.6.0	3.7.0	R4	TEI
25.101	104		Rel-4	A	RP-12	RP-010347	R4-010740	approved	UL DPCCH slot format for performance tests	4.0.0	4.1.0	R4	TEI
25.101	105		R99	F	RP-12	RP-010347	R4-010704	rejected	Clarification of power definition for UE maximum output power	3.6.0		R4	TEI
25.101	106		Rel-4	A	RP-12	RP-010347	R4-010749	rejected	Clarification of power definition for UE maximum output power	4.0.0		R4	TEI
25.101	107		R99	F	RP-12	RP-010347	R4-010728	approved	Terminology for power definition	3.6.0	3.7.0	R4	TEI
25.101	108		Rel-4	A	RP-12	RP-010347	R4-010750	approved	Terminology for power definition	4.0.0	4.1.0	R4	TEI
25.101	109		R99	F	RP-12	RP-010347	R4-010790	approved	out of synchronization handling	3.6.0	3.7.0	R4	TEI
25.101	110		Rel-4	A	RP-12	RP-010347	R4-010789	approved	out of synchronization handling	4.0.0	4.1.0	R4	TEI
25.101	111		R99	F	RP-12	RP-010347	R4-010747	approved	Clarification of limits for inner loop power control	3.6.0	3.7.0	R4	TEI
25.101	112		Rel-4	A	RP-12	RP-010347	R4-010748	approved	Clarification of limits for inner loop power control	4.0.0	4.1.0	R4	TEI
25.101	113		R99	F	RP-12	RP-010347	R4-010751	approved	UE EVM definition	3.6.0	3.7.0	R4	TEI
25.101	114		Rel-4	A	RP-12	RP-010347	R4-010752	approved	UE EVM definition	4.0.0	4.1.0	R4	TEI
25.101	115		R99	F	RP-12	RP-010347	R4-010715	approved	CR on the Modification to OCNS code channels to allow for 384 kbps allocation	3.6.0	3.7.0	R4	TEI
25.101	116		Rel-4	A	RP-12	RP-010347	R4-010781	approved	CR on the Modification to OCNS code channels to allow for 384 kbps allocation	4.0.0	4.1.0	R4	TEI
25.101	117		Rel-4	F	RP-12	RP-010358	R4-010593	approved	Correction of AICH performance	4.0.0	4.1.0	R4	TEI4
25.102	48		R99	F	RP-12	RP-010348	R4-010520	approved	Correction of signal descriptions in Receiver Characteristics section.	3.6.0	3.7.0	R4	TEI
25.102	49		Rel-4	A	RP-12	RP-010348	R4-010521	approved	Correction of signal descriptions in Receiver Characteristics section.	4.0.0	4.1.0	R4	TEI
25.102	50		R99	F	RP-12	RP-010348	R4-010524	approved	UE EVM definition	3.6.0	3.7.0	R4	TEI
25.102	51		Rel-4	A	RP-12	RP-010348	R4-010682	approved	UE EVM definition	4.0.0	4.1.0	R4	TEI
25.102	52		R99	F	RP-12	RP-010348	R4-010545	approved	Clarification of UARFCN channel number	3.6.0	3.7.0	R4	TEI
25.102	53		Rel-4	A	RP-12	RP-010348	R4-010800	approved	Clarification of UARFCN channel number	4.0.0	4.1.0	R4	TEI
25.102	54		R99	F	RP-12	RP-010348	R4-010567	approved	CR for UE Performance Requirements	3.6.0	3.7.0	R4	TEI
25.102	55		Rel-4	A	RP-12	RP-010348	R4-010738	approved	CR for UE Performance Requirements	4.0.0	4.1.0	R4	TEI

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25.102	56		R99	F	RP-12	RP-010348	R4-010676	approved	Performance Test for Uplink Power Control	3.6.0	3.7.0	R4	TEI
25.102	57		Rel-4	A	RP-12	RP-010348	R4-010755	approved	Performance Test for Uplink Power Control	4.0.0	4.1.0	R4	TEI
25.102	58		R99	F	RP-12	RP-010348	R4-010677	approved	Corrections and note status changes from informative to normative	3.6.0	3.7.0	R4	TEI
25.102	59		Rel-4	A	RP-12	RP-010348	R4-010678	approved	Corrections and note status changes from informative to normative	4.0.0	4.1.0	R4	TEI
25.102	60		Rel-4	F	RP-12	RP-010359	R4-010509	approved	2MB/Sec downlink reference channel for 1.28 Mcps TDD	4.0.0	4.1.0	R4	LCRTDD-RF
25.102	61		Rel-4	F	RP-12	RP-010359	R4-010548	approved	Correction in BCH measurement channel description (1.28 Mcps TDD option)	4.0.0	4.1.0	R4	LCRTDD-RF
25.102	62		Rel-4	F	RP-12	RP-010359	R4-010549	approved	Correction of UE radio capabilities	4.0.0	4.1.0	R4	TEI4
25.102	63		Rel-4	F	RP-12	RP-010359	R4-010511	approved	Out-of-sync handling during DTX for 1.28Mcps TDD Option	4.0.0	4.1.0	R4	LCRTDD-RF
25.102	64		R99	F	RP-12	RP-010348	R4-010476	approved	BCH performance requirement	3.6.0	3.7.0	R4	TEI
25.102	65		Rel-4	A	RP-12	RP-010348	R4-010791	approved	BCH performance requirement	4.0.0	4.1.0	R4	TEI
25.102	66		Rel-4	F	RP-12	RP-010359	R4-010801	approved	Clarification of UARFCN channel number for 1.28 Mcps TDD	4.0.0	4.1.0	R4	LCRTDD-RF
25.104	64		R99	F	RP-12	RP-010349	R4-010577	approved	Receiver blocking characteristics	3.6.0	3.7.0	R4	TEI
25.104	65		Rel-4	A	RP-12	RP-010349	R4-010673	approved	Receiver Blocking characteristics	4.0.0	4.1.0	R4	TEI
25.104	66		R99	F	RP-12	RP-010349	R4-010579	approved	Receiver spurious emission for co-located base stations	3.6.0	3.7.0	R4	TEI
25.104	67		Rel-4	A	RP-12	RP-010349	R4-010674	approved	Receiver spurious emission for co-located base stations	4.0.0	4.1.0	R4	TEI
25.104	68		R99	F	RP-12	RP-010349	R4-010679	approved	Definition of Eb/No used for uplink receiver performance requirements in TS 25.104	3.6.0	3.7.0	R4	TEI
25.104	69		Rel-4	A	RP-12	RP-010349	R4-010736	approved	Definition of Eb/No used for uplink receiver performance requirements in TS 25.104	4.0.0	4.1.0	R4	TEI
25.104	70		R99	F	RP-12	RP-010349	R4-010759	approved	ACLR definition	3.6.0	3.7.0	R4	TEI
25.104	71		Rel-4	A	RP-12	RP-010349	R4-010765	approved	ACLR definition	4.0.0	4.1.0	R4	TEI
25.104	72		Rel-4	F	RP-12	RP-010467	R4-010557	approved	Requirements for demodulation of RACH message	4.0.0	4.1.0	R4	TEI4
25.104	72		Rel-4	F	RP-12	RP-010360	R4-010557	revised	Requirements for demodulation of RACH message	4.0.0		R4	TEI4
25.104	73		Rel-4	F	RP-12	RP-010360	R4-010722	revised	RACH preamble requirements	4.0.0		R4	TEI4
25.104	73		R99	F	RP-12	RP-010349	R4-010809	rejected	CR for UMTS1900 operation in Rel 99	3.6.0		R4	TEI
25.104	74		Rel-4	A	RP-12	RP-010349	R4-010810	rejected	CR for UMTS1900 operation in Rel 4	4.0.0		R4	TEI
25.104	75		Rel-4	F	RP-12	RP-010467	R4-010722	approved	RACH preamble requirements	4.0.0	4.1.0	R4	TEI4
25.105	53		Rel-4	B	RP-12	RP-010361	R4-010240	approved	Differential accuracy of P-CCPCH power	4.0.0	4.1.0	R4	TEI4
25.105	54		R99	F	RP-12	RP-010350	R4-010504	approved	inclusion of environmental requirements	3.6.0	3.7.0	R4	TEI

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25.105	55		Rel-4	A	RP-12	RP-010350	R4-010506	approved	inclusion of environmental requirements	4.0.0	4.1.0	R4	TEI
25.105	56		R99	F	RP-12	RP-010350	R4-010516	approved	Application of blocking requirement	3.6.0	3.7.0	R4	TEI
25.105	57		Rel-4	A	RP-12	RP-010350	R4-010798	approved	Application of blocking requirement	4.0.0	4.1.0	R4	TEI
25.105	58		R99	F	RP-12	RP-010350	R4-010570	approved	CR for BS Performance Requirements	3.6.0	3.7.0	R4	TEI
25.105	59		Rel-4	A	RP-12	RP-010350	R4-010739	approved	CR for BS Performance Requirements	4.0.0	4.1.0	R4	TEI
25.105	60		Rel-4	F	RP-12	RP-010361	R4-010551	approved	Clarification of transmit intermodulation requirements	4.0.0	4.1.0	R4	TEI4
25.105	61		Rel-4	F	RP-12	RP-010361	R4-010683	approved	BS EVM definition correction	4.0.0	4.1.0	R4	TEI4
25.105	62		R99	F	RP-12	RP-010350	R4-010546	approved	Correction to upper frequency of transmitter Spurious emission limits	3.6.0	3.7.0	R4	TEI
25.105	63		Rel-4	A	RP-12	RP-010350	R4-010793	approved	Correction to upper frequency of transmitter spurious emission limits	4.0.0	4.1.0	R4	TEI
25.105	64		Rel-4	F	RP-12	RP-010361	R4-010799	approved	Application of blocking requirement for 1.28 Mcps TDD	4.0.0	4.1.0	R4	LCRTDD-RF
25.105	65		Rel-4	F	RP-12	RP-010361	R4-010794	approved	Correction to upper frequency of transmitter spurious emission limits for 1.28 Mcps TDD	4.0.0	4.1.0	R4	LCRTDD-RF
25.113	10		Rel-4	F	RP-12	RP-010362	R4-010556	approved	Correction to the description of the radiated spurious emission test method (1.28 Mcps TDD option)	4.0.0	4.1.0	R4	LCRTTD-RF
25.123	46		R99	F	RP-12	RP-010351	R4-010480	approved	UTRAN Measurements Test Cases	3.5.0	3.6.0	R4	TEI
25.123	47		Rel-4	A	RP-12	RP-010351	R4-010552	approved	UTRAN Measurement Test Cases	4.0.0	4.1.0	R4	TEI
25.123	48		R99	F	RP-12	RP-010351	R4-010481	approved	Cell synchronisation definition	3.5.0	3.6.0	R4	TEI
25.123	49		Rel-4	A	RP-12	RP-010351	R4-010530	approved	Cell synchronisation definition	4.0.0	4.1.0	R4	TEI
25.123	50		R99	F	RP-12	RP-010351	R4-010482	approved	UE measurement capability	3.5.0	3.6.0	R4	TEI
25.123	51		Rel-4	A	RP-12	RP-010351	R4-010553	approved	UE measurement capability	4.0.0	4.1.0	R4	TEI
25.123	52		R99	F	RP-12	RP-010351	R4-010483	approved	Measurements performance requirements	3.5.0	3.6.0	R4	TEI
25.123	53		Rel-4	A	RP-12	RP-010351	R4-010529	approved	Measurement performance requirements	4.0.0	4.1.0	R4	TEI
25.123	54		R99	F	RP-12	RP-010351	R4-010484	approved	FDD Measurements in Cell DCH State	3.5.0	3.6.0	R4	TEI
25.123	55		Rel-4	A	RP-12	RP-010351	R4-010554	approved	FDD measurements in Cell DCH State	4.0.0	4.1.0	R4	TEI
25.123	56		R99	F	RP-12	RP-010351	R4-010538	approved	Test tolerances	3.5.0	3.6.0	R4	TEI
25.123	57		Rel-4	A	RP-12	RP-010351	R4-010539	approved	Test tolerances	4.0.0	4.1.0	R4	TEI
25.123	58		R99	F	RP-12	RP-010351	R4-010571	approved	UE P-CCPCH RSCP relative accuracy	3.5.0	3.6.0	R4	TEI
25.123	59		Rel-4	A	RP-12	RP-010351	R4-010701	approved	UE P-CCPCH RSCP relative accuracy	4.0.0	4.1.0	R4	TEI
25.123	60		R99	F	RP-12	RP-010351	R4-010572	approved	UE P-CCPCH RSCP inter-frequency accuracy	3.5.0	3.6.0	R4	TEI
25.123	61		Rel-4	A	RP-12	RP-010351	R4-010702	approved	UE P-CCPCH RSCP inter-frequency accuracy	4.0.0	4.1.0	R4	TEI
25.123	62		R99	F	RP-12	RP-010351	R4-010690	approved	UE Tx Timing	3.5.0	3.6.0	R4	TEI

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25.123	63		Rel-4	A	RP-12	RP-010351	R4-010741	approved	UE Tx Timing	4.0.0	4.1.0	R4	TEI
25.123	64		R99	F	RP-12	RP-010351	R4-010693	approved	Correction of re-selection requirements in Cell-FACH state.	3.5.0	3.6.0	R4	TEI
25.123	65		Rel-4	A	RP-12	RP-010351	R4-010804	approved	Correction of re-selection requirements in cell_FACH state	4.0.0	4.1.0	R4	TEI
25.123	66		R99	F	RP-12	RP-010352	R4-010694	approved	General section 5 corrections	3.5.0	3.6.0	R4	TEI
25.123	67		Rel-4	A	RP-12	RP-010352	R4-010806	approved	General section 5 corrections	4.0.0	4.1.0	R4	TEI
25.123	68		R99	F	RP-12	RP-010352	R4-010695	approved	Correction to chapter 4.2 Cell re-selection	3.5.0	3.6.0	R4	TEI
25.123	69		Rel-4	A	RP-12	RP-010352	R4-010680	approved	Correction to chapter 4.2 Cell re-selection	4.0.0	4.1.0	R4	TEI
25.123	70		R99	F	RP-12	RP-010352	R4-010708	approved	TDD Measurements in Cell DCH State	3.5.0	3.6.0	R4	TEI
25.123	71		Rel-4	A	RP-12	RP-010352	R4-010730	approved	TDD measurements in Cell DCH State	4.0.0	4.1.0	R4	TEI
25.123	72		R99	F	RP-12	RP-010352	R4-010709	approved	GSM Measurements in Cell DCH State	3.5.0	3.6.0	R4	TEI
25.123	73		Rel-4	A	RP-12	RP-010352	R4-010731	approved	GSM measurement in CELL_DCH State	4.0.0	4.1.0	R4	TEI
25.123	74		Rel-4	F	RP-12	RP-010363	R4-010477	approved	UTRAN SFN-SFN observed time difference	4.0.0	4.1.0	R4	LCS1-UEpos
25.123	75		Rel-4	F	RP-12	RP-010363	R4-010489	approved	UE SFN-SFN mapping	4.0.0	4.1.0	R4	LCRTDD-RF
25.123	76		Rel-4	F	RP-12	RP-010363	R4-010540	approved	Clarification of NodeBsynch	4.0.0	4.1.0	R4	RANimp-NBsync
25.123	77		Rel-4	F	RP-12	RP-010363	R4-010479	approved	UTRAN GPS timing of cell frames for UP mapping	4.0.0	4.1.0	R4	LCS1-UEpos
25.123	78		Rel-4	F	RP-12	RP-010363	R4-010478	approved	LCR UE/UTRAN GPS timing of cell frames for UP	4.0.0	4.1.0	R4	LCRTDD-RF
25.123	79		R99	F	RP-12	RP-010352	R4-010487	approved	Measurements in Cell FACH State	3.5.0	3.6.0	R4	TEI
25.123	80		Rel-4	A	RP-12	RP-010352	R4-010792	approved	Measurements in cell_FACH state	4.0.0	4.1.0	R4	TEI
25.123	81		R99	F	RP-12	RP-010352	R4-010475	approved	TDD Measurement Test Cases	3.5.0	3.6.0	R4	TEI
25.123	82		Rel-4	A	RP-12	RP-010352	R4-010795	approved	TDD measurement test cases	4.0.0	4.1.0	R4	TEI
25.123	83		R99	F	RP-12	RP-010352	R4-010488	approved	FDD Measurement Test Cases	3.5.0	3.6.0	R4	TEI
25.123	84		Rel-4	A	RP-12	RP-010352	R4-010796	approved	FDD measurement test cases	4.0.0	4.1.0	R4	TEI
25.123	85		Rel-4	F	RP-12	RP-010363	R4-010807	approved	General section 5 corrections for 1.28 Mcps TDD	4.0.0	4.1.0	R4	LCRTDD-RF
25.123	86		Rel-4	F	RP-12	RP-010363	R4-010805	approved	Correction of re-selection requirements in cell_FACH state for 1.28 Mcps	4.0.0	4.1.0	R4	LCRTDD-RF
25.123	87		Rel-4	F	RP-12	RP-010363	R4-010797	approved	1.28 TDD test cases for TDD and FDD measurements	4.0.0	4.1.0	R4	LCRTDD-RF
25.133	100		Rel-4	A	RP-12	RP-010353	R4-010756	approved	Cell-reselection test cases in CELL_PCH and URA_PCH	4.0.0	4.1.0	R4	TEI
25.133	101		R99	F	RP-12	RP-010353	R4-010707	approved	Idle mode cell-reselection test cases	3.5.0	3.6.0	R4	TEI
25.133	102		Rel-4	A	RP-12	RP-010353	R4-010757	approved	Idle mode cell-reselection test cases	4.0.0	4.1.0	R4	TEI
25.133	103		R99	F	RP-12	RP-010353	R4-010710	approved	Measurements in CELL_FACH State	3.5.0	3.6.0	R4	TEI

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25.133	104		Rel-4	A	RP-12	RP-010353	R4-010772	approved	Measurements in CELL_FACH State	4.0.0	4.1.0	R4	TEI
25.133	105		R99	F	RP-12	RP-010353	R4-010711	approved	Cell-reselection test cases in CELL_FACH	3.5.0	3.6.0	R4	TEI
25.133	106		Rel-4	A	RP-12	RP-010353	R4-010754	approved	Cell-reselection test cases in CELL_FACH	4.0.0	4.1.0	R4	TEI
25.133	107		R99	F	RP-12	RP-010353	R4-010713	approved	GSM measurements in CELL_DCH state	3.5.0	3.6.0	R4	TEI
25.133	108		Rel-4	A	RP-12	RP-010353	R4-010770	approved	GSM measurements in CELL_DCH state	4.0.0	4.1.0	R4	TEI
25.133	109		R99	F	RP-12	RP-010354	R4-010721	revised	TFC selection at maximum output power	3.5.0		R4	TEI
25.133	110		Rel-4	A	RP-12	RP-010354	R4-010771	revised	TFC selection at maximum output power	4.0.0		R4	TEI
25.133	111		R99	F	RP-12	RP-010354	R4-010735	approved	Corrections for multiple neighbour test cases	3.5.0	3.6.0	R4	TEI
25.133	112		Rel-4	A	RP-12	RP-010354	R4-010769	approved	Corrections for multiple neighbour test cases	4.0.0	4.1.0	R4	TEI
25.133	113		R99	F	RP-12	RP-010354	R4-010753	approved	Corrections for Section 5	3.5.0	3.6.0	R4	TEI
25.133	114		Rel-4	A	RP-12	RP-010354	R4-010767	approved	Corrections for Section 5	4.0.0	4.1.0	R4	TEI
25.133	115		R99	F	RP-12	RP-010354	R4-010760	approved	RRC Connection re-establishment	3.5.0	3.6.0	R4	TEI
25.133	116		Rel-4	A	RP-12	RP-010354	R4-010761	approved	RRC Connection re-establishment	4.0.0	4.1.0	R4	TEI
25.133	117		R99	F	RP-12	RP-010354	R4-010777	approved	Corrections for Section 9	3.5.0	3.6.0	R4	TEI
25.133	118		Rel-4	A	RP-12	RP-010354	R4-010778	approved	Corrections for Section 9	4.0.0	4.1.0	R4	TEI
25.133	119		R99	F	RP-12	RP-010354	R4-010638	approved	Correction for a CPICH_Ec/Io definition	3.5.0	3.6.0	R4	TEI
25.133	120		Rel-4	A	RP-12	RP-010354	R4-010774	approved	Correction for a CPICH_Ec/Io definition	4.0.0	4.1.0	R4	TEI
25.133	121		R99	F	RP-12	RP-010354	R4-010745	approved	Detection and measurements of new cells not belonging to monitored set	3.5.0	3.6.0	R4	TEI
25.133	122		Rel-4	A	RP-12	RP-010354	R4-010787	approved	Detection and measurements of new cells not belonging to monitored set	4.0.0	4.1.0	R4	TEI
25.133	123		Rel-4	F	RP-12	RP-010364	R4-010788	approved	Detection and measurements of new cells not belonging to monitored set	4.0.0	4.1.0	R4	TEI4
25.133	124		R99	F	RP-12	RP-010440		revised	TFC selection at maximum output power	3.5.0		R4	TEI
25.133	124	1	R99	F	RP-12	RP-010447		revised	TFC selection at maximum output power	3.5.0		R4	TEI
25.133	124	2	R99	F	RP-12	RP-010495		approved	TFC selection at maximum output power	3.5.0	3.6.0	R4	TEI
25.133	125		Rel-4	A	RP-12	RP-010440		revised	TFC selection at maximum output power	4.0.0		R4	TEI
25.133	125	1	Rel-4	A	RP-12	RP-010447		revised	TFC selection at maximum output power	4.0.0		R4	TEI
25.133	125	2	Rel-4	A	RP-12	RP-010495		approved	TFC selection at maximum output power	4.0.0	4.1.0	R4	TEI
25.133	89		R99	F	RP-12	RP-010353	R4-010541	approved	Correction of FDD/TDD handover requirement.	3.5.0	3.6.0	R4	TEI
25.133	90		Rel-4	A	RP-12	RP-010353	R4-010542	approved	Correction of FDD/TDD handover requirement.	4.0.0	4.1.0	R4	TEI
25.133	91		R99	F	RP-12	RP-010353	R4-010543	approved	Extraction of TGSN_proposed	3.5.0	3.6.0	R4	TEI
25.133	92		Rel-4	A	RP-12	RP-010353	R4-010544	approved	Extraction of TGSN_proposed	4.0.0	4.1.0	R4	TEI
25.133	93		R99	F	RP-12	RP-010353	R4-010590	approved	Corrections to cell re-selection requirements	3.5.0	3.6.0	R4	TEI
25.133	94		Rel-4	A	RP-12	RP-010353	R4-010698	approved	Corrections to cell re-selection requirements	4.0.0	4.1.0	R4	TEI

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25.133	95		R99	F	RP-12	RP-010353	R4-010636	approved	UTRAN to GSM cell reselection delay in CELL_FACH state	3.5.0	3.6.0	R4	TEI
25.133	96		Rel-4	A	RP-12	RP-010353	R4-010779	approved	UTRAN to GSM cell reselection delay in CELL_FACH state	4.0.0	4.1.0	R4	TEI
25.133	97		R99	F	RP-12	RP-010353	R4-010697	approved	Corrections for idle mode section	3.5.0	3.6.0	R4	TEI
25.133	98		Rel-4	A	RP-12	RP-010353	R4-010768	approved	Corrections for idle mode section	4.0.0	4.1.0	R4	TEI
25.133	99		R99	F	RP-12	RP-010353	R4-010706	approved	Cell-reselection test cases in CELL_PCH and URA_PCH	3.5.0	3.6.0	R4	TEI
25.141	84		R99	F	RP-12	RP-010355	R4-010607	approved	CR TS25.141 Measurement uncertainty	3.5.0	3.6.0	R4	TEI
25.141	85		Rel-4	A	RP-12	RP-010355	R4-010783	approved	CR TS25.141 Measurement uncertainty	4.0.0	4.1.0	R4	TEI
25.141	86		R99	F	RP-12	RP-010355	R4-010813	approved	ACLR definition	3.5.0	3.6.0	R4	TEI
25.141	87		Rel-4	A	RP-12	RP-010355	R4-010814	approved	ACLR definition	4.0.0	4.1.0	R4	TEI
25.141	88		R99	F	RP-12	RP-010355	R4-010762	approved	Clarification of AWGN definition	3.5.0	3.6.0	R4	TEI
25.141	89		Rel-4	A	RP-12	RP-010355	R4-010763	approved	Clarification of AWGN definition	4.0.0	4.1.0	R4	TEI
25.141	90		R99	F	RP-12	RP-010355	R4-010784	approved	Corrections to 25.141 specification	3.5.0	3.6.0	R4	TEI
25.141	91		Rel-4	A	RP-12	RP-010355	R4-010785	approved	Corrections to 25.141 specification	4.0.0	4.1.0	R4	TEI
25.141	93		R99	F	RP-12	RP-010355	R4-010808	approved	Receiver spurious emission for co-located base stations	3.5.0	3.6.0	R4	TEI
25.141	94		Rel-4	A	RP-12	RP-010355	R4-010811	approved	Receiver spurious emission for co-located base stations	4.0.0	4.1.0	R4	TEI
25.141	95		R99	F	RP-12	RP-010355	R4-010592	approved	Correction to core requirement spectrum mask	3.5.0	3.6.0	R4	TEI
25.141	96		Rel-4	A	RP-12	RP-010355	R4-010687	approved	Correction to core requirement spectrum mask	4.0.0	4.1.0	R4	TEI
25.142	57		R99	F	RP-12	RP-010356	R4-010688	approved	Application of blocking requirement	3.5.0	3.6.0	R4	TEI
25.142	58		Rel-4	A	RP-12	RP-010356	R4-010802	approved	Application of blocking requirement	4.0.0	4.1.0	R4	TEI
25.142	59		Rel-4	F	RP-12	RP-010366	R4-010508	approved	clarification of transmit intermodulation requirements	4.0.0	4.1.0	R4	TEI4
25.142	60		Rel-4	F	RP-12	RP-010366	R4-010507	approved	CR on subclause 6.6.3 "Spurious emissions"	4.0.0	4.1.0	R4	TEI4
25.142	61		R99	F	RP-12	RP-010356	R4-010505	approved	correction of the upper frequency limit for Tx spurious emissions measurements	3.5.0	3.6.0	R4	TEI
25.142	62		Rel-4	A	RP-12	RP-010356	R4-010786	approved	correction of the upper frequency limit for Tx spurious emissions measurements	4.0.0	4.1.0	R4	TEI
25.142	63		Rel-4	F	RP-12	RP-010366	R4-010803	approved	Application of blocking requirement for 1.28 Mcps	4.0.0	4.1.0	R4	LCRTDD-RF
25.142	64		Rel-4	F	RP-12	RP-010366	R4-010812	approved	BS EVM definition correction	4.0.0	4.1.0	R4	TEI4
25.143	1		Rel-4	F	RP-12	RP-010367	R4-010726	approved	Measurement uncertainty corrections	4.0.0	4.1.0	R4	RInImp-REP
25.211	097	-	R99	F	RP-12	RP-010331	R1-01-0457	approved	Downlink Phase Reference for DL-DPCCH for CPCH	3.6.0	3.7.0	R1	TEI
25.211	098	-	Rel-4	A	RP-12	RP-010331	R1-01-0457	approved	Downlink Phase Reference for DL-DPCCH for CPCH	4.0.0	4.1.0	R1	TEI

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25.211	099	-	R99	F	RP-12	RP-010331	R1-01-0460	approved	Removal of out-of-date reference to FACH beamforming	3.6.0	3.7.0	R1	TEI
25.211	100	-	Rel-4	A	RP-12	RP-010331	R1-01-0460	approved	Removal of out-of-date reference to FACH beamforming	4.0.0	4.1.0	R1	TEI
25.211	101	-	R99	F	RP-12	RP-010331	R1-01-0466	approved	Correction of compressed mode by puncturing	3.6.0	3.7.0	R1	TEI
25.211	102	-	Rel-4	A	RP-12	RP-010331	R1-01-0466	approved	Correction of compressed mode by puncturing	4.0.0	4.1.0	R1	TEI
25.211	103	-	R99	F	RP-12	RP-010331	R1-01-0497	approved	Correction of the representation of slot format	3.6.0	3.7.0	R1	TEI
25.211	104	-	Rel-4	A	RP-12	RP-010331	R1-01-0497	approved	Correction of the representation of slot format	4.0.0	4.1.0	R1	TEI
25.211	105	1	R99	F	RP-12	RP-010331	R1-01-0613	approved	Clarification of PDSCH definition	3.6.0	3.7.0	R1	TEI
25.211	106	1	Rel-4	A	RP-12	RP-010331	R1-01-0613	approved	Clarification of PDSCH definition	4.0.0	4.1.0	R1	TEI
25.212	105	-	R99	F	RP-12	RP-010332	R1-01-0466	approved	Correction of compressed mode by puncturing	3.5.0	3.6.0	R1	TEI
25.212	106	-	Rel-4	A	RP-12	RP-010332	R1-01-0466	approved	Correction of compressed mode by puncturing	4.0.0	4.1.0	R1	TEI
25.212	107	1	R99	F	RP-12	RP-010332	R1-01-0565	approved	Dual transport format detection	3.5.0	3.6.0	R1	TEI
25.212	108	1	Rel-4	A	RP-12	RP-010332	R1-01-0565	approved	Dual transport format detection	4.0.0	4.1.0	R1	TEI
25.212	111	1	R99	F	RP-12	RP-010332	R1-01-0627	approved	Correction for downlink rate matching for the DSCH	3.5.0	3.6.0	R1	TEI
25.212	112	1	Rel-4	A	RP-12	RP-010332	R1-01-0627	approved	Correction for downlink rate matching for the DSCH	4.0.0	4.1.0	R1	TEI
25.213	040	1	R99	F	RP-12	RP-010333	R1-01-0566	approved	Clarification of DL channelization code alignment	3.5.0	3.6.0	R1	TEI
25.213	041	1	Rel-4	A	RP-12	RP-010333	R1-01-0566	approved	Clarification of DL channelization code alignment	4.0.0	4.1.0	R1	TEI
25.213	042	1	R99	F	RP-12	RP-010333	R1-01-0662	approved	Clarification of PDSCH root channelisation code definition	3.5.0	3.6.0	R1	TEI
25.213	043	1	Rel-4	A	RP-12	RP-010333	R1-01-0662	approved	Clarification of PDSCH root channelisation code definition	4.0.0	4.1.0	R1	TEI
25.214	164	1	Rel-4	F	RP-12	RP-010341	R1-01-0632	approved	Clarification on the usage of SS DT signaling in uplink	4.0.0	4.1.0	R1	U-RInImp-DSCHsho
25.214	165	1	R99	D	RP-12	RP-010334	R1-01-0554	approved	Limited power raise: aligning of terminology with TS25.433	3.6.0	3.7.0	R1	TEI
25.214	166	1	Rel-4	A	RP-12	RP-010334	R1-01-0554	approved	Limited power raise: aligning of terminology with TS25.433	4.0.0	4.1.0	R1	TEI
25.214	167	1	Rel-4	A	RP-12	RP-010334	R1-01-0617	approved	Correction of IPDL burst parameters	4.0.0	4.1.0	R1	TEI
25.214	168	1	R99	F	RP-12	RP-010334	R1-01-0614	approved	Correction of synchronisation primitives	3.6.0	3.7.0	R1	TEI
25.214	169	1	Rel-4	A	RP-12	RP-010334	R1-01-0614	approved	Correction of synchronisation primitives	4.0.0	4.1.0	R1	TEI
25.214	176	1	R99	F	RP-12	RP-010334	R1-01-0615	approved	Clarification on TPC command generation on downlink during RL initialisation	3.6.0	3.7.0	R1	TEI
25.214	177	1	Rel-4	A	RP-12	RP-010334	R1-01-0615	approved	Clarification on TPC command generation on downlink during RL initialisation	4.0.0	4.1.0	R1	TEI
25.214	180	2	R99	F	RP-12	RP-010334	R1-01-0666	revised	Clarification of synchronisation procedures	3.6.0		R1	TEI

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25.214	180	3	R99	F	RP-12	RP-010441		revised	Clarification of synchronisation procedures	3.6.0		R1	TEI
25.214	180	4	R99	F	RP-12	RP-010482		approved	Clarification of synchronisation procedures	3.6.0		R1	TEI
25.214	181	2	Rel-4	A	RP-12	RP-010334	R1-01-0666	revised	Clarification of synchronisation procedures	4.0.0		R1	TEI
25.214	181	3	Rel-4	A	RP-12	RP-010441		revised	Clarification of synchronisation procedures	4.0.0		R1	TEI
25.214	181	4	Rel-4	A	RP-12	RP-010482		approved	Clarification of synchronisation procedures	4.0.0		R1	TEI
25.214	182	-	R99	F	RP-12	RP-010334	R1-01-0517	approved	Clarification of initialisation of closed loop mode 1 and 2 during compressed mode	3.6.0	3.7.0	R1	TEI
25.214	183	-	Rel-4	A	RP-12	RP-010334	R1-01-0517	approved	Clarification of initialisation of closed loop mode 1 and 2 during compressed mode	4.0.0	4.1.0	R1	TEI
25.214	184	1	R99	F	RP-12	RP-010334	R1-01-0617	approved	Correction of IPDL burst parameters	3.6.0	3.7.0	R1	TEI
25.214	185	-	R99	F	RP-12	RP-010334	R1-01-0658	approved	DL maximum power level in compressed mode	3.6.0	3.7.0	R1	TEI
25.214	186	-	Rel-4	A	RP-12	RP-010334	R1-01-0658	approved	DL maximum power level in compressed mode	4.0.0	4.1.0	R1	TEI
25.215	087	-	R99	F	RP-12	RP-010335	R1-01-0470	approved	Renaming of LCS measurements	3.6.0	3.7.0	R1	TEI
25.215	087	1	R99	F	RP-12	RP-010456		approved	Renaming of LCS measurements	3.6.0	3.7.0	R1	TEI
25.215	088	-	Rel-4	A	RP-12	RP-010335	R1-01-0470	approved	Renaming of LCS measurements	4.0.0	4.1.0	R1	TEI
25.215	088	1	Rel-4	A	RP-12	RP-010456		approved	Renaming of LCS measurements	4.0.0	4.1.0	R1	TEI
25.215	089	1	R99	F	RP-12	RP-010335	R1-01-0625	revised	Correction the TrCH BLER measurement	3.6.0		R1	TEI
25.215	090	1	Rel-4	A	RP-12	RP-010335	R1-01-0625	revised	Correction the TrCH BLER measurement	4.0.0		R1	TEI
25.221	047	1	R99	F	RP-12	RP-010336	R1-01-0500	approved	Clarification of Midamble Usage in TS25.221	3.6.0	3.7.0	R1	TEI
25.221	049	-	Rel-4	D	RP-12	RP-010342	R1-01-0448	approved	Correction of spelling in definition of beacon characteristics	4.0.0	4.1.0	R1	U-LCS1-Uepos
25.221	050	2	R99	F	RP-12	RP-010336	R1-01-0628	approved	Addition to the abbreviation list, correction of references to tables and figures	3.6.0	3.7.0	R1	TEI
25.221	051	-	Rel-4	A	RP-12	RP-010336	R1-01-0501	approved	Clarification of Midamble Usage in TS25.221	4.0.0	4.1.0	R1	TEI
25.221	053	-	Rel-4	A	RP-12	RP-010336	R1-01-0628	approved	Addition to the abbreviation list, correction of references to tables and figures	4.0.0	4.1.0	R1	TEI
25.221	055	-	Rel-4	F	RP-12	RP-010342	R1-01-0641	approved	Correction of Note for PDSCH signalling methods	4.0.0	4.1.0	R1	TEI4
25.223	018	-	R99	F	RP-12	RP-010337	R1-01-0451	approved	Addition to the abbreviation list and definition of a constant	3.5.0	3.6.0	R1	TEI
25.223	019	-	Rel-4	A	RP-12	RP-010337	R1-01-0629	approved	Addition to the abbreviation list and definition of a constant	4.0.0	4.1.0	R1	TEI
25.224	049	-	Rel-4	D	RP-12	RP-010343	R1-01-0449	approved	Clarification of IP_Frame(x) definition	4.0.0	4.1.0	R1	U-LCS1-Uepos
25.224	054	2	R99	F	RP-12	RP-010338	R1-01-0630	approved	Addition to the abbreviation list	3.6.0	3.7.0	R1	TEI
25.224	055	1	Rel-4	F	RP-12	RP-010343	R1-01-0618	approved	Correction of IPDL burst parameters	4.0.0	4.1.0	R1	U-LCS1-Uepos
25.224	056	-	R99	F	RP-12	RP-010338	R1-01-0474	approved	Correction of Timing Advance section for 3.84 Mcps TDD	3.6.0	3.7.0	R1	TEI
25.224	057	-	Rel-4	A	RP-12	RP-010338	R1-01-0494	approved	Correction of Timing Advance section for 3.84	4.0.0	4.1.0	R1	TEI

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									Mcps TDD				
25.224	059	-	Rel-4	A	RP-12	RP-010338	R1-01-0630	approved	Addition to the abbreviation list	4.0.0	4.1.0	R1	TEI
25.225	026	1	R99	F	RP-12	RP-010339	R1-01-0631	approved	Addition to the abbreviation list	3.6.0	3.7.0	R1	TEI
25.225	028	-	R99	F	RP-12	RP-010339	R1-01-0593	approved	Renaming of LCS measurements	3.6.0	3.7.0	R1	TEI
25.225	029	-	Rel-4	A	RP-12	RP-010339	R1-01-0594	approved	Renaming of LCS measurements	4.0.0	4.1.0	R1	TEI
25.225	030	-	Rel-4	A	RP-12	RP-010339	R1-01-0631	approved	Addition to the abbreviation list	4.0.0	4.1.0	R1	TEI
25.301	053		R99	F	RP-12	RP-010302	R2-011117	approved	Clarification in the services provided to upper layers by RLC	3.7.0	3.8.0	R2	TEI
25.301	054		Rel-4	A	RP-12	RP-010302	R2-011337	approved	Clarification in the services provided to upper layers by RLC	4.0.0	4.1.0	R2	TEI
25.301	055	1	R99	F	RP-12	RP-010302	R2-011322	approved	Cleanup of Layer 2 services and functions	3.7.0	3.8.0	R2	TEI
25.301	056		Rel-4	A	RP-12	RP-010302	R2-011338	approved	Cleanup of Layer 2 services and functions	4.0.0	4.1.0	R2	TEI
25.302	099	1	R99	F	RP-12	RP-010303	R2-011404	approved	Physical Channel Combination	3.8.0	3.9.0	R2	TEI
25.302	100		Rel-4	A	RP-12	RP-010303	R2-011405	approved	Physical Channel Combination	4.0.0	4.1.0	R2	TEI
25.302	101	1	R99	F	RP-12	RP-010303	R2-011406	approved	General corrections and clarifications	3.8.0	3.9.0	R2	TEI
25.302	102		Rel-4	A	RP-12	RP-010303	R2-011407	approved	General corrections and clarifications	4.0.0	4.1.0	R2	TEI
25.302	103		Rel-4	F	RP-12	RP-010320	R2-011152	approved	Correction to transport formats for common channels in 1.28Mcps TDD	4.0.0	4.1.0	R2	LCRTDD-L23
25.302	104		R99	F	RP-12	RP-010303	R2-011157	approved	Definition of empty TF and TFC	3.8.0	3.9.0	R2	TEI
25.302	105		Rel-4	A	RP-12	RP-010303	R2-011339	approved	Definition of empty TF and TFC	4.0.0	4.1.0	R2	TEI
25.302	106		Rel-4	F	RP-12	RP-010320	R2-011166	approved	Timing Advance (TADV) for 1.28Mcps TDD	4.0.0	4.1.0	R2	LCRTDD-L23
25.303	045	1	R99	F	RP-12	RP-010304	R2-011408	approved	Corrections to procedure examples	3.7.0	3.8.0	R2	TEI
25.303	046		Rel-4	A	RP-12	RP-010304	R2-011409	approved	Corrections to procedure examples	4.0.0	4.1.0	R2	TEI
25.304	071	2	R99	F	RP-12	RP-010305	R2-011397	approved	Corrections to 25.304	3.6.0	3.7.0	R2	TEI
25.304	072		Rel-4	A	RP-12	RP-010305	R2-011398	approved	Corrections to 25.304	4.0.0	4.1.0	R2	TEI
25.304	073	1	R99	F	RP-12	RP-010305	R2-011401	revised	Emergency calls in barred cells	3.6.0		R2	TEI
25.304	073	2	R99	F	RP-12	RP-010435		approved	Emergency calls in barred cells	3.6.0	3.7.0	R2	TEI
25.304	074		Rel-4	A	RP-12	RP-010305	R2-011402	revised	Emergency calls in barred cells	4.0.0		R2	TEI
25.304	074	1	Rel-4	A	RP-12	RP-010435		approved	Emergency calls in barred cells	4.0.0	4.1.0	R2	TEI
25.304	077	1	R99	F	RP-12	RP-010305	R2-011417	approved	Clarification to usage of measurement thresholds	3.6.0	3.7.0	R2	TEI
25.304	078		Rel-4	A	RP-12	RP-010305	R2-011418	approved	Clarification to usage of measurement thresholds	4.0.0	4.1.0	R2	TEI
25.305	051		R99	F	RP-12	RP-010306	R2-011080	approved	Removal of positioning request transfer during SRNS relocation	3.5.0	3.6.0	R2	TEI
25.305	052		Rel-4	A	RP-12	RP-010306	R2-011410	approved	Removal of positioning request transfer during SRNS relocation	4.0.0	4.1.0	R2	TEI

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25.305	053		Rel-5	A	RP-12	RP-010306	R2-011411	approved	Removal of positioning request transfer during SRNS relocation	5.0.0	5.1.0	R2	TEI
25.305	054		Rel-5	F	RP-12	RP-010325	R2-011182	approved	lupc architectural aspects modifications	5.0.0	5.1.0	R2	LCS-INTF
25.305	055		Rel-5	F	RP-12	RP-010325	R2-011183	approved	Removal of RAN3 dependency w.r.t. PCAP signalling flows	5.0.0	5.1.0	R2	LCS-INTF
25.305	056	2	Rel-5	C	RP-12	RP-010325	R2-011506	approved	PCAP message flows	5.0.0	5.1.0	R2	LCS-INTF
25.306	009	6	Rel-4	C	RP-12	RP-010321	R2-011391	approved	Modified UE Capability for CPCH	4.0.0	4.1.0	R2	TEI4
25.306	012	1	R99	F	RP-12	RP-010307	R2-011412	approved	Clarification on the number of CCTrCHs to be received simultaneously by the UE	3.1.0	3.2.0	R2	TEI
25.306	013		Rel-4	A	RP-12	RP-010307	R2-011413	approved	Clarification on the number of CCTrCHs to be received simultaneously by the UE	4.0.0	4.1.0	R2	TEI
25.307	001		Rel-4		RP-12	RP-010438		postponed	Correction to create Release 4	3.0.0		R2	TEI4
25.321	073	1	R99	F	RP-12	RP-010308	R2-011307	approved	RLC Tr Discard	3.7.0	3.8.0	R2	TEI
25.321	074		Rel-4	A	RP-12	RP-010308	R2-011340	approved	RLC Tr Discard	4.0.0	4.1.0	R2	TEI
25.321	075	1	R99	F	RP-12	RP-010308	R2-011308	approved	Clarification on compressed mode	3.7.0	3.8.0	R2	TEI
25.321	076		Rel-4	A	RP-12	RP-010308	R2-011341	approved	Clarification on compressed mode	4.0.0	4.1.0	R2	TEI
25.321	077	1	R99	F	RP-12	RP-010308	R2-011309	approved	Correction of relation between MAC functions and transport channels	3.7.0	3.8.0	R2	TEI
25.321	078		Rel-4	A	RP-12	RP-010308	R2-011342	approved	Correction of relation between MAC functions and transport channels	4.0.0	4.1.0	R2	TEI
25.321	079	1	R99	F	RP-12	RP-010308	R2-011324	approved	Rate adaptation	3.7.0	3.8.0	R2	TEI
25.321	080		Rel-4	A	RP-12	RP-010308	R2-011343	approved	Rate adaptation	4.0.0	4.1.0	R2	TEI
25.321	081	1	R99	F	RP-12	RP-010308	R2-011310	approved	Cleanup of MAC services and functions	3.7.0	3.8.0	R2	TEI
25.321	082		Rel-4	A	RP-12	RP-010308	R2-011344	approved	Cleanup of MAC services and functions	4.0.0	4.1.0	R2	TEI
25.321	083		Rel-4	F	RP-12	RP-010322	R2-011153	approved	Correction to control of RACH Transmissions for 1.28Mcps TDD	4.0.0	4.1.0	R2	LCRTDD-L23
25.322	119	1	R99	F	RP-12	RP-010309	R2-011311	approved	Clarification on ACK SUFI	3.6.0	3.7.0	R2	TEI
25.322	120		Rel-4	A	RP-12	RP-010309	R2-011345	approved	Clarification on ACK SUFI	4.0.0	4.1.0	R2	TEI
25.322	121	1	R99	F	RP-12	RP-010309	R2-011312	approved	MRW SUFI clarification and enhancement	3.6.0	3.7.0	R2	TEI
25.322	122		Rel-4	A	RP-12	RP-010309	R2-011346	approved	MRW SUFI clarification and enhancement	4.0.0	4.1.0	R2	TEI
25.322	123	1	R99	F	RP-12	RP-010309	R2-011313	approved	Clarification on AM states	3.6.0	3.7.0	R2	TEI
25.322	124		Rel-4	A	RP-12	RP-010309	R2-011347	approved	Clarification on AM states	4.0.0	4.1.0	R2	TEI
25.322	125	1	R99	F	RP-12	RP-010309	R2-011314	approved	Clarification on HFN update in RESET procedure	3.6.0	3.7.0	R2	TEI
25.322	126		Rel-4	A	RP-12	RP-010309	R2-011348	approved	Clarification on HFN update in RESET procedure	4.0.0	4.1.0	R2	TEI
25.322	127	1	R99	F	RP-12	RP-010309	R2-011315	approved	Clarification of RLC Discard	3.6.0	3.7.0	R2	TEI
25.322	128		Rel-4	A	RP-12	RP-010309	R2-011349	approved	Clarification of RLC Discard	4.0.0	4.1.0	R2	TEI

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25.322	129		R99	F	RP-12	RP-010309	R2-011118	approved	Removal of reference to RRC	3.6.0	3.7.0	R2	TEI
25.322	130		Rel-4	A	RP-12	RP-010309	R2-011350	approved	Removal of reference to RRC	4.0.0	4.1.0	R2	TEI
25.322	131	1	R99	F	RP-12	RP-010309	R2-011316	approved	Clarification in the LI Parameters section	3.6.0	3.7.0	R2	TEI
25.322	132		Rel-4	A	RP-12	RP-010309	R2-011351	approved	Clarification in the LI Parameters section	4.0.0	4.1.0	R2	TEI
25.322	135	1	R99	F	RP-12	RP-010309	R2-011317	approved	Cleanup of RLC services and functions	3.6.0	3.7.0	R2	TEI
25.322	136		Rel-4	A	RP-12	RP-010309	R2-011352	approved	Cleanup of RLC services and functions	4.0.0	4.1.0	R2	TEI
25.322	137	1	R99	F	RP-12	RP-010309	R2-011318	approved	Clarification on RLC re-establishment	3.6.0	3.7.0	R2	TEI
25.322	138	1	Rel-4	A	RP-12	RP-010309	R2-011505	approved	Clarification on RLC re-establishment	4.0.0	4.1.0	R2	TEI
25.322	139	1	R99	F	RP-12	RP-010309	R2-011320	approved	Corrections and clarifications to the LIST and RLIST SUFI types	3.6.0	3.7.0	R2	TEI
25.322	140		Rel-4	A	RP-12	RP-010309	R2-011354	approved	Corrections and clarifications to the LIST and RLIST SUFI types	4.0.0	4.1.0	R2	TEI
25.323	020	1	R99	F	RP-12	RP-010310	R2-011321	approved	Clarification on PDCP Sequence numbering	3.4.0	3.5.0	R2	TEI
25.323	021		Rel-4	A	RP-12	RP-010310	R2-011355	approved	Clarification on PDCP Sequence numbering	4.0.0	4.1.0	R2	TEI
25.331	730	1	R99	F	RP-12	RP-010311	R2-011222	approved	Clarification of the IE 'spreading factor' in Uplink DPCH info for FDD mode	3.6.0	3.7.0	R2	TEI
25.331	731		Rel-4	A	RP-12	RP-010311	R2-011223	approved	Clarification of the IE 'spreading factor' in Uplink DPCH info for FDD mode	4.0.0	4.1.0	R2	TEI
25.331	732	1	R99	F	RP-12	RP-010311	R2-011224	approved	Correction of UE Radio Access Capability depending on UTRAN FDD bands	3.6.0	3.7.0	R2	TEI
25.331	733		Rel-4	A	RP-12	RP-010311	R2-011225	approved	Correction of UE Radio Access Capability depending on UTRAN FDD bands	4.0.0	4.1.0	R2	TEI
25.331	734	2	R99	F	RP-12	RP-010311	R2-011424	approved	Clarification on Security mode control	3.6.0	3.7.0	R2	TEI
25.331	735		Rel-4	A	RP-12	RP-010311	R2-011425	approved	Clarification on Security mode control	4.0.0	4.1.0	R2	TEI
25.331	737	1	R99	F	RP-12	RP-010311	R2-011226	approved	Correction of TrCH parameter handling	3.6.0	3.7.0	R2	TEI
25.331	738		Rel-4	A	RP-12	RP-010311	R2-011227	approved	Correction of TrCH parameter handling	4.0.0	4.1.0	R2	TEI
25.331	739	1	R99	F	RP-12	RP-010311	R2-011228	approved	TFC Subsets in TDD	3.6.0	3.7.0	R2	TEI
25.331	740		Rel-4	A	RP-12	RP-010311	R2-011229	approved	TFC Subsets in TDD	4.0.0	4.1.0	R2	TEI
25.331	745	2	R99	F	RP-12	RP-010311	R2-011426	approved	RRC containers	3.6.0	3.7.0	R2	TEI
25.331	746		Rel-4	A	RP-12	RP-010311	R2-011427	approved	RRC containers	4.0.0	4.1.0	R2	TEI
25.331	747	1	R99	F	RP-12	RP-010311	R2-011232	approved	Various corrections	3.6.0	3.7.0	R2	TEI
25.331	748		Rel-4	A	RP-12	RP-010311	R2-011233	approved	Various corrections	4.0.0	4.1.0	R2	TEI
25.331	749	1	R99	F	RP-12	RP-010311	R2-011235	approved	General error handling for system information	3.6.0	3.7.0	R2	TEI
25.331	750		Rel-4	A	RP-12	RP-010311	R2-011236	approved	General error handling for system information	4.0.0	4.1.0	R2	TEI
25.331	751	1	R99	F	RP-12	RP-010311	R2-011332	approved	Order of elements in strings	3.6.0	3.7.0	R2	TEI
25.331	752		Rel-4	A	RP-12	RP-010311	R2-011429	approved	Order of elements in strings	4.0.0	4.1.0	R2	TEI

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25.331	753	1	R99	F	RP-12	RP-010311	R2-011241	approved	Configuration consistency checks	3.6.0	3.7.0	R2	TEI
25.331	754		Rel-4	A	RP-12	RP-010311	R2-011474	approved	Configuration consistency checks	4.0.0	4.1.0	R2	TEI
25.331	755	1	R99	F	RP-12	RP-010312	R2-011244	approved	Compressed mode corrections	3.6.0	3.7.0	R2	TEI
25.331	756		Rel-4	A	RP-12	RP-010312	R2-011245	approved	Compressed mode corrections	4.0.0	4.1.0	R2	TEI
25.331	757	1	R99	F	RP-12	RP-010312	R2-011246	approved	Correction concerning inter-RAT procedures	3.6.0	3.7.0	R2	TEI
25.331	758		Rel-4	A	RP-12	RP-010312	R2-011247	approved	Correction concerning inter-RAT procedures	4.0.0	4.1.0	R2	TEI
25.331	761	1	R99	F	RP-12	RP-010312	R2-011248	approved	Measurement corrections	3.6.0	3.7.0	R2	TEI
25.331	762		Rel-4	A	RP-12	RP-010312	R2-011249	approved	Measurement corrections	4.0.0	4.1.0	R2	TEI
25.331	763		R99	F	RP-12	RP-010312	R2-011071	approved	RLC Tr Discard	3.6.0	3.7.0	R2	TEI
25.331	764		Rel-4	A	RP-12	RP-010312	R2-011356	approved	RLC Tr Discard	4.0.0	4.1.0	R2	TEI
25.331	765	1	R99	F	RP-12	RP-010312	R2-011252	approved	Annex B CPCH Correction in R'99	3.6.0	3.7.0	R2	TEI
25.331	766		Rel-4	A	RP-12	RP-010312	R2-011253	approved	Annex B CPCH Correction in R'99	4.0.0	4.1.0	R2	TEI
25.331	767	1	R99	F	RP-12	RP-010312	R2-011254	approved	SIB Correction for CSICH Power Offset	3.6.0	3.7.0	R2	TEI
25.331	768		Rel-4	A	RP-12	RP-010312	R2-011255	approved	SIB Correction for CSICH Power Offset	4.0.0	4.1.0	R2	TEI
25.331	769	1	R99	F	RP-12	RP-010312	R2-011430	approved	Transfer of Last known position in case of SRNS relocation	3.6.0	3.7.0	R2	TEI
25.331	770		Rel-4	A	RP-12	RP-010312	R2-011431	approved	Transfer of Last known position in case of SRNS relocation	4.0.0	4.1.0	R2	TEI
25.331	771	1	R99	F	RP-12	RP-010312	R2-011433	approved	Corrections to UE Positioning measurements	3.6.0	3.7.0	R2	TEI
25.331	772		Rel-4	A	RP-12	RP-010312	R2-011434	approved	Corrections to UE Positioning measurements	4.0.0	4.1.0	R2	TEI
25.331	773		Rel-4	F	RP-12	RP-010323	R2-011083	approved	Corrections to IPDLs for TDD	4.0.0	4.1.0	R2	LCS1-UEpos-enh
25.331	778	1	R99	F	RP-12	RP-010312	R2-011256	approved	GSM measurements in compressed mode	3.6.0	3.7.0	R2	TEI
25.331	779		Rel-4	A	RP-12	RP-010312	R2-011257	approved	GSM measurements in compressed mode	4.0.0	4.1.0	R2	TEI
25.331	780	2	R99	F	RP-12	RP-010312	R2-011435	approved	Correction of Activation Time in Inter-Rat HO Commands	3.6.0	3.7.0	R2	TEI
25.331	781		Rel-4	A	RP-12	RP-010312	R2-011436	approved	Correction of Activation Time in Inter-Rat HO Commands	4.0.0	4.1.0	R2	TEI
25.331	784	1	R99	F	RP-12	RP-010313	R2-011437	approved	Clarification of FRESH in SRNS relocation	3.6.0	3.7.0	R2	TEI
25.331	785		Rel-4	A	RP-12	RP-010313	R2-011438	approved	Clarification of FRESH in SRNS relocation	4.0.0	4.1.0	R2	TEI
25.331	788	1	R99	F	RP-12	RP-010313	R2-011259	approved	Correction to UE timers and constants in idle mode	3.6.0	3.7.0	R2	TEI
25.331	789		Rel-4	A	RP-12	RP-010313	R2-011439	approved	Correction to UE timers and constants in idle mode	4.0.0	4.1.0	R2	TEI
25.331	792	1	R99	F	RP-12	RP-010313	R2-011260	approved	Clarification on multiframe allocation in TDD	3.6.0	3.7.0	R2	TEI
25.331	793		Rel-4	A	RP-12	RP-010313	R2-011261	approved	Clarification on multiframe allocation in TDD	4.0.0	4.1.0	R2	TEI
25.331	794	1	R99	F	RP-12	RP-010313	R2-011262	approved	Predefined parameters for logical channels	3.6.0	3.7.0	R2	TEI

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25.331	795		Rel-4	A	RP-12	RP-010313	R2-011263	approved	Predefined parameters for logical channels	4.0.0	4.1.0	R2	TEI
25.331	796	1	R99	F	RP-12	RP-010313	R2-011250	approved	Pathloss calculation	3.6.0	3.7.0	R2	TEI
25.331	797		Rel-4	A	RP-12	RP-010313	R2-011251	approved	Pathloss calculation	4.0.0	4.1.0	R2	TEI
25.331	798	1	R99	F	RP-12	RP-010313	R2-011264	approved	Clarification on periodic measurement reporting	3.6.0	3.7.0	R2	TEI
25.331	799		Rel-4	A	RP-12	RP-010313	R2-011265	approved	Clarification on periodic measurement reporting	4.0.0	4.1.0	R2	TEI
25.331	802	2	R99	F	RP-12	RP-010313	R2-011399	approved	Handling of IE PRACH TFCS and Primary CPICH/Primary CCPCH info	3.6.0	3.7.0	R2	TEI
25.331	803	1	Rel-4	A	RP-12	RP-010313	R2-011400	approved	Handling of IE PRACH TFCS and Primary CPICH/Primary CCPCH info	4.0.0	4.1.0	R2	TEI
25.331	804	1	R99	F	RP-12	RP-010313	R2-011268	approved	Correction to FACH measurement occasion in TDD	3.6.0	3.7.0	R2	TEI
25.331	805		Rel-4	A	RP-12	RP-010313	R2-011269	approved	Correction to FACH measurement occasion in TDD	4.0.0	4.1.0	R2	TEI
25.331	806	2	R99	F	RP-12	RP-010313	R2-011440	approved	Clarification of L1 synchronization procedures	3.6.0	3.7.0	R2	TEI
25.331	807		Rel-4	A	RP-12	RP-010313	R2-011441	approved	Clarification of L1 synchronization procedures	4.0.0	4.1.0	R2	TEI
25.331	808	1	R99	F	RP-12	RP-010313	R2-011234	approved	Correction of Activation Time definition	3.6.0	3.7.0	R2	TEI
25.331	809		Rel-4	A	RP-12	RP-010313	R2-011442	approved	Correction of Activation Time definition	4.0.0	4.1.0	R2	TEI
25.331	812	1	R99	F	RP-12	RP-010314	R2-011270	approved	Corrections to RRC procedure performance	3.6.0	3.7.0	R2	TEI
25.331	813		Rel-4	A	RP-12	RP-010314	R2-011271	approved	Corrections to RRC procedure performance	4.0.0	4.1.0	R2	TEI
25.331	814	1	R99	F	RP-12	RP-010314	R2-011272	approved	Removal of mapping function	3.6.0	3.7.0	R2	TEI
25.331	815		Rel-4	A	RP-12	RP-010314	R2-011273	approved	Removal of mapping function	4.0.0	4.1.0	R2	TEI
25.331	816	3	R99	F	RP-12	RP-010314	R2-011489	approved	Security clarifications	3.6.0	3.7.0	R2	TEI
25.331	817		Rel-4	A	RP-12	RP-010314	R2-011490	approved	Security clarifications	4.0.0	4.1.0	R2	TEI
25.331	818	1	R99	F	RP-12	RP-010314	R2-011443	approved	Corrections to UE Positioning	3.6.0	3.7.0	R2	TEI
25.331	819		Rel-4	A	RP-12	RP-010314	R2-011444	approved	Corrections to UE Positioning	4.0.0	4.1.0	R2	TEI
25.331	824	1	R99	F	RP-12	RP-010314	R2-011281	approved	Definition of DPCH numbering	3.6.0	3.7.0	R2	TEI
25.331	825		Rel-4	A	RP-12	RP-010314	R2-011282	approved	Definition of DPCH numbering	4.0.0	4.1.0	R2	TEI
25.331	826	4	R99	F	RP-12	RP-010314	R2-011403	approved	Corrections to System Information Procedure	3.6.0	3.7.0	R2	TEI
25.331	827		Rel-4	A	RP-12	RP-010314	R2-011446	approved	Corrections to System Information Procedure	4.0.0	4.1.0	R2	TEI
25.331	828	1	R99	F	RP-12	RP-010314	R2-011284	approved	Relation between DOFF and DPCH Frame Offset	3.6.0	3.7.0	R2	TEI
25.331	829		Rel-4	A	RP-12	RP-010314	R2-011445	approved	Relation between DOFF and DPCH Frame Offset	4.0.0	4.1.0	R2	TEI
25.331	830	1	R99	F	RP-12	RP-010314	R2-011288	approved	Procedures for "same as UL"	3.6.0	3.7.0	R2	TEI
25.331	831		Rel-4	A	RP-12	RP-010314	R2-011289	approved	Procedures for "same as UL"	4.0.0	4.1.0	R2	TEI
25.331	836	1	R99	F	RP-12	RP-010314	R2-011303	approved	Editorial and minor corrections	3.6.0	3.7.0	R2	TEI

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25.331	837		Rel-4	A	RP-12	RP-010314	R2-011304	approved	Editorial and minor corrections	4.0.0	4.1.0	R2	TEI
25.331	838	1	R99	F	RP-12	RP-010314	R2-011447	approved	Editorial Correction	3.6.0	3.7.0	R2	TEI
25.331	839		Rel-4	A	RP-12	RP-010314	R2-011448	approved	Editorial Correction	4.0.0	4.1.0	R2	TEI
25.331	840	2	R99	F	RP-12	RP-010315	R2-011451	rejected	UE Positioning Measurement Accuracy Indication	3.6.0		R2	TEI
25.331	840	3	R99	F	RP-12	RP-010466		revised	UE Positioning Measurement Accuracy Indication	3.6.0		R2	TEI
25.331	840	4	R99	F	RP-12	RP-010479		withdrawn	UE Positioning Measurement Accuracy Indication	3.6.0		R2	TEI
25.331	841		Rel-4	A	RP-12	RP-010315	R2-011475	rejected	UE Positioning Measurement Accuracy Indication	4.0.0		R2	TEI
25.331	841	1	Rel-4	A	RP-12	RP-010466		revised	UE Positioning Measurement Accuracy Indication	4.0.0		R2	TEI
25.331	841	2	Rel-4	A	RP-12	RP-010479		withdrawn	UE Positioning Measurement Accuracy Indication	4.0.0		R2	TEI
25.331	842	1	R99	F	RP-12	RP-010315	R2-011449	approved	Corrections on OTDOA-IPDL specific burst parameter semantic description	3.6.0	3.7.0	R2	TEI
25.331	843		Rel-4	A	RP-12	RP-010315	R2-011450	approved	Corrections on OTDOA-IPDL specific burst parameter semantic description	4.0.0	4.1.0	R2	TEI
25.331	844	1	R99	F	RP-12	RP-010315	R2-011290	approved	Error handling for messages sent from another RAT	3.6.0	3.7.0	R2	TEI
25.331	845		Rel-4	A	RP-12	RP-010315	R2-011291	approved	Error handling for messages sent from another RAT	4.0.0	4.1.0	R2	TEI
25.331	848	2	R99	F	RP-12	RP-010315	R2-011292	approved	Needed TFC in the TFCS for TDD	3.6.0	3.7.0	R2	TEI
25.331	849		Rel-4	A	RP-12	RP-010315	R2-011293	approved	Needed TFC in the TFCS for TDD	4.0.0	4.1.0	R2	TEI
25.331	850	2	Rel-4	F	RP-12	RP-010323	R2-011390	approved	Correction to 1.28Mcps TDD RACH parameters and operation	4.0.0	4.1.0	R2	LCRTDD-L23
25.331	851		Rel-4	F	RP-12	RP-010323	R2-011155	approved	TFCl coding in case of 8PSK	4.0.0	4.1.0	R2	LCRTDD-L23
25.331	854		R99	F	RP-12	RP-010315	R2-011159	approved	Clarification of TFCS selection guidelines	3.6.0	3.7.0	R2	TEI
25.331	855		Rel-4	A	RP-12	RP-010315	R2-011357	approved	Clarification of TFCS selection guidelines	4.0.0	4.1.0	R2	TEI
25.331	860	1	R99	F	RP-12	RP-010315	R2-011323	approved	Clarification of Traffic Volume measurements	3.6.0	3.7.0	R2	TEI
25.331	861		Rel-4	A	RP-12	RP-010315	R2-011360	approved	Clarification of Traffic Volume measurements	4.0.0	4.1.0	R2	TEI
25.331	862	1	R99	F	RP-12	RP-010315	R2-011299	approved	CFN synchronisation problems at timing re-initialised hard handover	3.6.0	3.7.0	R2	TEI
25.331	863		Rel-4	A	RP-12	RP-010315	R2-011300	approved	CFN synchronisation problems at timing re-initialised hard handover	4.0.0	4.1.0	R2	TEI
25.331	865	2	R99	F	RP-12	RP-010315	R2-011452	approved	Corrections on UP Assistance Message Descriptions	3.6.0	3.7.0	R2	TEI
25.331	866		Rel-4	A	RP-12	RP-010315	R2-011453	approved	Corrections on UP Assistance Message Descriptions	4.0.0	4.1.0	R2	TEI
25.331	867	2	R99	F	RP-12	RP-010315	R2-011454	approved	Correction on Area Scope of SIB 15.3	3.6.0	3.7.0	R2	TEI

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.331	868		Rel-4	A	RP-12	RP-010315	R2-011455	approved	Correction on Area Scope of SIB 15.3	4.0.0	4.1.0	R2	TEI
25.331	871	1	R99	F	RP-12	RP-010315	R2-011301	approved	Correction to AICH power offset	3.6.0	3.7.0	R2	TEI
25.331	872		Rel-4	A	RP-12	RP-010315	R2-011302	approved	Correction to AICH power offset	4.0.0	4.1.0	R2	TEI
25.331	873		Rel-5	B	RP-12	RP-010324	R2-011237	postponed	Introduction of UTRA FDD 1800 MHz frequency band	4.0.0		R2	RInImp-UMTS18
25.331	874		R99	F	RP-12	RP-010316	R2-011243	approved	Clarification on IE 'Downlink rate matching restriction information'	3.6.0	3.7.0	R2	TEI
25.331	875		Rel-4	A	RP-12	RP-010316	R2-011456	approved	Clarification on IE 'Downlink rate matching restriction information'	4.0.0	4.1.0	R2	TEI
25.331	876	1	R99	F	RP-12	RP-010316	R2-011491	approved	Corrections on Tabular/ASN.1	3.6.0	3.7.0	R2	TEI
25.331	877		Rel-4	A	RP-12	RP-010316	R2-011492	approved	Corrections on Tabular/ASN.1	4.0.0	4.1.0	R2	TEI
25.331	878	2	R99	F	RP-12	RP-010316	R2-011493	approved	Corrections on Tabular and ASN.1 inconsistencies	3.6.0	3.7.0	R2	TEI
25.331	879		Rel-4	A	RP-12	RP-010316	R2-011494	approved	Corrections on Tabular and ASN.1 inconsistencies	4.0.0	4.1.0	R2	TEI
25.331	880	1	R99	F	RP-12	RP-010316	R2-011495	approved	Editorial corrections on Tabular and ASN.1 inconsistencies	3.6.0	3.7.0	R2	TEI
25.331	881		Rel-4	A	RP-12	RP-010316	R2-011496	approved	Editorial corrections on Tabular and ASN.1 inconsistencies	4.0.0	4.1.0	R2	TEI
25.331	882	1	R99	F	RP-12	RP-010316	R2-011497	approved	UE Positioning corrections to ASN.1 and tabular	3.6.0	3.7.0	R2	TEI
25.331	883		Rel-4	A	RP-12	RP-010316	R2-011498	approved	UE Positioning corrections to ASN.1 and tabular	4.0.0	4.1.0	R2	TEI
25.331	884	1	R99	F	RP-12	RP-010316	R2-011499	approved	Corrections to resolve inconsistencies between Tabular and ASN.1	3.6.0	3.7.0	R2	TEI
25.331	885		Rel-4	A	RP-12	RP-010316	R2-011500	approved	Corrections to resolve inconsistencies between Tabular and ASN.1	4.0.0	4.1.0	R2	TEI
25.331	886	1	R99	F	RP-12	RP-010316	R2-011463	approved	UE positioning OTDOA Neighbour Cell Info	3.6.0	3.7.0	R2	TEI
25.331	887		Rel-4	A	RP-12	RP-010316	R2-011464	approved	UE positioning OTDOA Neighbour Cell Info	4.0.0	4.1.0	R2	TEI
25.331	888	3	R99	F	RP-12	RP-010316	R2-011465	approved	DRAC corrections	3.6.0	3.7.0	R2	TEI
25.331	889		Rel-4	A	RP-12	RP-010316	R2-011466	approved	DRAC corrections	4.0.0	4.1.0	R2	TEI
25.331	892	1	R99	F	RP-12	RP-010316	R2-011467	approved	ASN.1 Correction of IE TFCS ID	3.6.0	3.7.0	R2	TEI
25.331	893		Rel-4	A	RP-12	RP-010316	R2-011468	approved	ASN.1 Correction of IE TFCS ID	4.0.0	4.1.0	R2	TEI
25.331	894		R99	F	RP-12	RP-010316	R2-011379	approved	Correction of IE IODE range in AGPS Positioning	3.6.0	3.7.0	R2	TEI
25.331	895		Rel-4	A	RP-12	RP-010316	R2-011469	approved	Correction of IE IODE range in AGPS Positioning	4.0.0	4.1.0	R2	TEI
25.331	896		R99	F	RP-12	RP-010317	R2-011380	approved	Correction to BurstModeParameters in IPDL	3.6.0	3.7.0	R2	TEI
25.331	897		Rel-4	A	RP-12	RP-010317	R2-011470	approved	Correction to BurstModeParameters in IPDL	4.0.0	4.1.0	R2	TEI
25.331	898	1	R99	F	RP-12	RP-010317	R2-011501	approved	Corrections on inconsistencies between Tabular and ASN.1	3.6.0	3.7.0	R2	TEI

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25.331	899		Rel-4	A	RP-12	RP-010317	R2-011502	approved	Corrections on inconsistencies between Tabular and ASN.1	4.0.0	4.1.0	R2	TEI
25.331	900		R99	F	RP-12	RP-010317	R2-011392	approved	Naming of message abstract types in ASN.1	3.6.0	3.7.0	R2	TEI
25.331	901		Rel-4	A	RP-12	RP-010317	R2-011471	approved	Naming of message abstract types in ASN.1	4.0.0	4.1.0	R2	TEI
25.331	902	1	Rel-4	F	RP-12	RP-010323	R2-011472	approved	Structure and naming of information elements	4.0.0	4.1.0	R2	TEI4
25.331	903		R99	F	RP-12	RP-010317	R2-011394	approved	Information elements outside the extension container	3.6.0	3.7.0	R2	TEI
25.331	904		Rel-4	A	RP-12	RP-010317	R2-011473	approved	Information elements outside the extension container	4.0.0	4.1.0	R2	TEI
25.331	905		R99	F	RP-12	RP-010317	R2-011476	approved	Correction concerning DRX cycle upon inter-RAT change towards UTRAN	3.6.0	3.7.0	R2	TEI
25.331	906		Rel-4	A	RP-12	RP-010317	R2-011477	approved	Correction concerning DRX cycle upon inter-RAT change towards UTRAN	4.0.0	4.1.0	R2	TEI
25.401	024		R99	F	RP-12	RP-010370	R3-011312	approved	Correction on the figure 'UTRAN Architecture'	3.6.0	3.7.0	R3	TEI
25.401	025		Rel-4	A	RP-12	RP-010370	R3-011313	approved	Correction on the figure 'UTRAN Architecture'	4.0.0	4.1.0	R3	TEI
25.401	026		Rel-4	F	RP-12	RP-010389	R3-011314	approved	Rel4 only changes based on R3-011195	4.0.0	4.1.0	R3	TEI
25.401	027	1	R99	F	RP-12	RP-010370	R3-011813	approved	PLMN Identity	3.6.0	3.7.0	R3	TEI
25.401	028	1	Rel-4	A	RP-12	RP-010370	R3-011814	approved	PLMN Identity	4.0.0	4.1.0	R3	TEI
25.401	029		Rel-4	F	RP-12	RP-010389	R3-011631	approved	Removal of Release dependency for the TNL	4.0.0	4.1.0	R3	TEI
25.401	030	1	Rel-5	F	RP-12	RP-010403	R3-011796	approved	Proposed draft CR to 25.401 on showing the A-GPS SMLC	4.0.0	5.0.0	R3	LCS-INTF
25.401	031		R99	F	RP-12	RP-010370	R3-011798	approved	Separation between Logical Nodes and physical Network Elements	3.6.0	3.7.0	R3	TEI
25.401	032		Rel-4	A	RP-12	RP-010370	R3-011799	approved	Separation between Logical Nodes and physical Network Elements	4.0.0	4.1.0	R3	TEI
25.402	015	2	R99	F	RP-12	RP-010371	R3-011362	approved	Additional requirement for timing behaviour of NodeB	3.5.0	3.6.0	R3	TEI
25.402	018	1	R99	F	RP-12	RP-010371	R3-011643	approved	Network Synchronisation aspects clarification	3.5.0	3.6.0	R3	TEI
25.402	019		Rel-4	A	RP-12	RP-010371	R3-011340	approved	Network Synchronisation aspects clarification	4.0.0	4.1.0	R3	TEI
25.402	020		Rel-4	A	RP-12	RP-010371	R3-011363	approved	Additional requirement for timing behaviour of NodeB	4.0.0	4.1.0	R3	TEI
25.402	021		Rel-4	F	RP-12	RP-010390	R3-011412	approved	Frequency Acquisition phase for Cell Synchronisation for TDD	4.0.0	4.1.0	R3	RANimp-Nbsync
25.402	022		Rel-4	F	RP-12	RP-010390	R3-011413	approved	Correction on TDD Radio Interface Synchronisation	4.0.0	4.1.0	R3	LCRTDD-lublur
25.402	023		R99	F	RP-12	RP-010371	R3-011481	approved	Incorrect Figure references in FDD Radio Interface Synchronisation	3.5.0	3.6.0	R3	TEI
25.402	024		Rel-4	A	RP-12	RP-010371	R3-011482	approved	Incorrect Figure references in FDD Radio Interface Synchronisation	4.0.0	4.1.0	R3	TEI
25.410	017		R99	F	RP-12	RP-010372	R3-011344	approved	RANAP message in Connection Refusal	3.3.0	3.4.0	R3	TEI

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25.410	018		Rel-4	A	RP-12	RP-010372	R3-011345	approved	RANAP message in Connection Refusal	4.0.0	4.1.0	R3	TEI
25.410	022		Rel-4	F	RP-12	RP-010391	R3-011547	approved	Iu UP initialisation direction	4.0.0	4.1.0	R3	TrFO
25.411	005		R99	F	RP-12	RP-010373	R3-011341	approved	Network Synchronisation aspects clarification	3.4.0	3.5.0	R3	TEI
25.411	006		Rel-4	A	RP-12	RP-010373	R3-011342	approved	Network Synchronisation aspects clarification	4.0.0	4.1.0	R3	TEI
25.411	007	1	R99	F	RP-12	RP-010373	R3-011637	approved	Layer 1 references	3.4.0	3.5.0	R3	TEI
25.411	008	1	Rel-4	A	RP-12	RP-010373	R3-011638	approved	Layer 1 references	4.0.0	4.1.0	R3	TEI
25.413	276	2	R99	F	RP-12	RP-010454	R3-011858	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	3.5.0	3.6.0	R3	TEI
25.413	277	1	Rel-4	A	RP-12	RP-010454	R3-011859	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	4.0.0	4.1.0	R3	TEI
25.413	278		R99	F	RP-12	RP-010454	R3-011323	approved	Reporting of Logical Error with Error Indication Procedure	3.5.0	3.6.0	R3	TEI
25.413	279		Rel-4	A	RP-12	RP-010454	R3-011324	approved	Reporting of Logical Error with Error Indication Procedure	4.0.0	4.1.0	R3	TEI
25.413	280		R99	F	RP-12	RP-010454	R3-011331	approved	Clarification of IEs order rule	3.5.0	3.6.0	R3	TEI
25.413	281		Rel-4	A	RP-12	RP-010454	R3-011332	approved	Clarification of IEs order rule	4.0.0	4.1.0	R3	TEI
25.413	284		R99	F	RP-12	RP-010454	R3-011348	approved	CN Domain Indicator in ERROR INDICATION	3.5.0	3.6.0	R3	TEI
25.413	285		Rel-4	A	RP-12	RP-010454	R3-011349	approved	CN Domain Indicator in ERROR INDICATION	4.0.0	4.1.0	R3	TEI
25.413	286		R99	F	RP-12	RP-010454	R3-011350	approved	Correction to RAB Release Procedures description	3.5.0	3.6.0	R3	TEI
25.413	287		Rel-4	A	RP-12	RP-010454	R3-011351	approved	Correction to RAB Release Procedures description	4.0.0	4.1.0	R3	TEI
25.413	288		R99	F	RP-12	RP-010454	R3-011352	approved	TRELOAlloc_usage	3.5.0	3.6.0	R3	TEI
25.413	289		Rel-4	A	RP-12	RP-010454	R3-011353	approved	TRELOAlloc_usage	4.0.0	4.1.0	R3	TEI
25.413	290		R99	F	RP-12	RP-010454	R3-011354	approved	Relocation Resource Allocation in case of Cell/URA Update	3.5.0	3.6.0	R3	TEI
25.413	291		Rel-4	A	RP-12	RP-010454	R3-011355	approved	Relocation Resource Allocation in case of Cell/URA Update	4.0.0	4.1.0	R3	TEI
25.413	293	1	R99	F	RP-12	RP-010454	R3-011672	approved	Global RNC ID IE in INITIAL UE MESSAGE	3.5.0	3.6.0	R3	TEI
25.413	294	1	Rel-4	A	RP-12	RP-010454	R3-011673	approved	Global RNC ID IE in INITIAL UE MESSAGE	4.0.0	4.1.0	R3	TEI
25.413	295	2	R99	F	RP-12	RP-010454	R3-011817	approved	CN Domain Indicator in OVERLOAD message	3.5.0	3.6.0	R3	TEI
25.413	296	3	Rel-4	A	RP-12	RP-010454	R3-011818	approved	CN Domain Indicator in OVERLOAD message	4.0.0	4.1.0	R3	TEI
25.413	298	1	R99	F	RP-12	RP-010454	R3-011733	approved	Reference to superseded versions of ASN.1 documents	3.5.0	3.6.0	R3	TEI
25.413	299	1	Rel-4	A	RP-12	RP-010454	R3-011734	approved	Reference to superseded versions of ASN.1 documents	4.0.0	4.1.0	R3	TEI
25.413	300		R99	F	RP-12	RP-010375	R3-011554	approved	Correction of tabular format for Message Type IE	3.5.0	3.6.0	R3	TEI

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25.413	301		Rel-4	A	RP-12	RP-010375	R3-011555	approved	Correction of tabular format for Message Type IE	4.0.0	4.1.0	R3	TEI
25.413	303		Rel-4	F	RP-12	RP-010392	R3-011558	approved	Clarifications to renegotiation during relocation	4.0.0	4.1.0	R3	QoS-SPS-MAPEND-RABQoS-Negot
25.413	306	1	R99	F	RP-12	RP-010375	R3-011720	approved	Aligning tabular format and ASN.1 (ENUMERATED type)	3.5.0	3.6.0	R3	TEI
25.413	307	1	Rel-4	A	RP-12	RP-010375	R3-011721	approved	Aligning tabular format and ASN.1 (ENUMERATED type)	4.0.0	4.1.0	R3	TEI
25.413	308	3	R99	F	RP-12	RP-010375	R3-011811	approved	Ranap criticality	3.5.0	3.6.0	R3	TEI
25.413	309	3	Rel-4	A	RP-12	RP-010375	R3-011812	approved	Ranap criticality	4.0.0	4.1.0	R3	TEI
25.413	314	2	R99	F	RP-12	RP-010375	R3-011791	approved	Partial Contexts transfer	3.5.0	3.6.0	R3	TEI
25.413	315	2	Rel-4	A	RP-12	RP-010375	R3-011792	approved	Partial Contexts transfer	4.0.0	4.1.0	R3	TEI
25.413	316	1	R99	F	RP-12	RP-010375	R3-011718	approved	Wide Alignment between Tabular format and ASN.1 (criticality levels)	3.5.0	3.6.0	R3	TEI
25.413	317	1	Rel-4	A	RP-12	RP-010375	R3-011719	approved	Wide Alignment between Tabular format and ASN.1 (criticality levels)	4.0.0	4.1.0	R3	TEI
25.413	318	1	R99	F	RP-12	RP-010375	R3-011722	approved	Correct term to refer to a MCC+MNC combination is PLMN identity.	3.5.0	3.6.0	R3	TEI
25.413	319	1	Rel-4	A	RP-12	RP-010375	R3-011723	approved	Correct term to refer to a MCC+MNC combination is PLMN identity.	4.0.0	4.1.0	R3	TEI
25.413	320	1	Rel-4	F	RP-12	RP-010392	R3-011783	approved	RAB odify request missing from message tabular format	4.0.0	4.1.0	R3	QoS-SPS-MAPEND-RABQoS-ReNegot
25.413	322		R99	F	RP-12	RP-010375	R3-011819	approved	Stop reporting clarification	3.5.0	3.6.0	R3	TEI
25.413	323		Rel-4	A	RP-12	RP-010375	R3-011820	approved	Stop reporting clarification	4.0.0	4.1.0	R3	TEI
25.415	052	2	R99	F	RP-12	RP-010376	R3-011356	approved	In-sequence delivery requirement	3.6.0	3.7.0	R3	TEI
25.415	061		Rel-4	A	RP-12	RP-010376	R3-011357	approved	In-sequence delivery requirement	4.0.0	4.1.0	R3	TEI
25.415	063		Rel-4	F	RP-12	RP-010393	R3-011549	approved	Initial Rate Control clarification	4.0.0	4.1.0	R3	TrFO
25.415	064		Rel-4	F	RP-12	RP-010393	R3-011559	approved	TrFO clarifications and corrections	4.0.0	4.1.0	R3	TrFO
25.415	065	2	R99	F	RP-12	RP-010376	R3-011787	approved	UP initialisation procedure	3.6.0	3.7.0	R3	TEI
25.415	066	2	Rel-4	A	RP-12	RP-010376	R3-011788	approved	UP initialisation procedure	4.0.0	4.1.0	R3	TEI
25.419	035	1	R99	F	RP-12	RP-010377	R3-011860	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	3.4.0	3.5.0	R3	TEI
25.419	036	1	Rel-4	A	RP-12	RP-010377	R3-011861	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	4.0.0	4.1.0	R3	TEI
25.419	037		R99	F	RP-12	RP-010377	R3-011325	approved	Reporting of Logical Error with Error Indication Procedure	3.4.0	3.5.0	R3	TEI
25.419	038		Rel-4	A	RP-12	RP-010377	R3-011326	approved	Reporting of Logical Error with Error Indication Procedure	4.0.0	4.1.0	R3	TEI
25.419	039		R99	F	RP-12	RP-010377	R3-011333	approved	Clarification of IEs order rule	3.4.0	3.5.0	R3	TEI
25.419	040		Rel-4	A	RP-12	RP-010377	R3-011334	approved	Clarification of IEs order rule	4.0.0	4.1.0	R3	TEI

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25.419	041		R99	F	RP-12	RP-010377	R3-011358	approved	Corrections to the SABP	3.4.0	3.5.0	R3	TEI
25.419	042		Rel-4	A	RP-12	RP-010377	R3-011359	approved	Corrections to the SABP	4.0.0	4.1.0	R3	TEI
25.419	043	1	Rel-4	A	RP-12	RP-010377	R3-011756	approved	Alignment of 25.419 (v4.0.0) with 23.041	4.0.0	4.1.0	R3	TEI
25.419	044	1	Rel-4	A	RP-12	RP-010377	R3-011758	approved	Changing of 'Broadcast Message Content ' IE maximum size	4.0.0	4.1.0	R3	TEI
25.419	045	1	R99	F	RP-12	RP-010377	R3-011755	approved	Alignment of 25.419 (v3.4.0) with 23.041	3.4.0	3.5.0	R3	TEI
25.419	046	1	R99	F	RP-12	RP-010377	R3-011757	approved	Changing of 'Broadcast Message Content ' IE maximum	3.4.0	3.5.0	R3	TEI
25.419	047		R99	F	RP-12	RP-010377	R3-011670	approved	Corrections in 25.419 due to terminology of PLMN Identity as requested by SA1	3.4.0	3.5.0	R3	TEI
25.419	048		Rel-4	A	RP-12	RP-010377	R3-011671	approved	Corrections in 25.419 due to terminology of PLMN Identity as requested by SA1	4.0.0	4.1.0	R3	TEI
25.419	049		R99	F	RP-12	RP-010377	R3-011735	approved	Reference to superseded versions of ASN.1 documents	3.4.0	3.5.0	R3	TEI
25.419	050		Rel-4	A	RP-12	RP-010377	R3-011736	approved	Reference to superseded versions of ASN.1 documents	4.0.0	4.1.0	R3	TEI
25.423	340	3	R99	F	RP-12	RP-010378	R3-011862	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	3.5.0	3.6.0	R3	TEI
25.423	341	2	Rel-4	A	RP-12	RP-010378	R3-011863	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	4.0.0	4.1.0	R3	TEI
25.423	342		R99	F	RP-12	RP-010378	R3-011327	approved	Reporting of Logical Error with Error Indication Procedure	3.5.0	3.6.0	R3	TEI
25.423	343		Rel-4	A	RP-12	RP-010378	R3-011328	approved	Reporting of Logical Error with Error Indication Procedure	4.0.0	4.1.0	R3	TEI
25.423	344		R99	F	RP-12	RP-010378	R3-011335	approved	Clarification of IEs order rule	3.5.0	3.6.0	R3	TEI
25.423	345		Rel-4	A	RP-12	RP-010378	R3-011336	approved	Clarification of IEs order rule	4.0.0	4.1.0	R3	TEI
25.423	346		R99	F	RP-12	RP-010378	R3-011366	approved	Modification of RL-Setup and RL-Addition procedure text	3.5.0	3.6.0	R3	TEI
25.423	347		Rel-4	A	RP-12	RP-010378	R3-011367	approved	Modification of RL-Setup and RL-Addition procedure text	4.0.0	4.1.0	R3	TEI
25.423	348		R99	F	RP-12	RP-010378	R3-011370	approved	Clarification on Procedure Parallelism for RL Restoration	3.5.0	3.6.0	R3	TEI
25.423	349		Rel-4	A	RP-12	RP-010378	R3-011371	approved	Clarification on Procedure Parallelism for RL Restoration	4.0.0	4.1.0	R3	TEI
25.423	350	2	R99	F	RP-12	RP-010378	R3-011765	approved	Measurement reporting clarification	3.5.0	3.6.0	R3	TEI
25.423	351	2	Rel-4	A	RP-12	RP-010378	R3-011766	approved	Measurement reporting clarification	4.0.0	4.1.0	R3	TEI
25.423	352		R99	F	RP-12	RP-010378	R3-011378	approved	Clarification of the CM Configuration Change CFN IE	3.5.0	3.6.0	R3	TEI
25.423	353		Rel-4	A	RP-12	RP-010378	R3-011379	approved	Clarification of the CM Configuration Change CFN IE	4.0.0	4.1.0	R3	TEI
25.423	354		R99	F	RP-12	RP-010378	R3-011382	approved	Correction to the UMTS neighbouring cell handling	3.5.0	3.6.0	R3	TEI

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.423	355		Rel-4	A	RP-12	RP-010378	R3-011383	approved	Correction to the UMTS neighbouring cell handling	4.0.0	4.1.0	R3	TEI
25.423	356		R99	F	RP-12	RP-010378	R3-011384	approved	Clarification of the Initial DL Tx Power in RL Addition	3.5.0	3.6.0	R3	TEI
25.423	357		Rel-4	A	RP-12	RP-010378	R3-011385	approved	Clarification of the Initial DL Tx Power in RL Addition	4.0.0	4.1.0	R3	TEI
25.423	358		R99	F	RP-12	RP-010378	R3-011386	approved	Criticality setting of Neighbouring GSM Cell Information	3.5.0	3.6.0	R3	TEI
25.423	359		Rel-4	A	RP-12	RP-010378	R3-011387	approved	Criticality setting of Neighbouring GSM Cell Information	4.0.0	4.1.0	R3	TEI
25.423	360		R99	F	RP-12	RP-010379	R3-011388	approved	Corrections on Dedicated Measurement Initiation Request	3.5.0	3.6.0	R3	TEI
25.423	361		Rel-4	A	RP-12	RP-010379	R3-011389	approved	Corrections on Dedicated Measurement Initiation Request	4.0.0	4.1.0	R3	TEI
25.423	362		R99	F	RP-12	RP-010379	R3-011390	approved	Corrections to the P-CPICH Power Handling	3.5.0	3.6.0	R3	TEI
25.423	363		Rel-4	A	RP-12	RP-010379	R3-011391	approved	Corrections to the P-CPICH Power Handling	4.0.0	4.1.0	R3	TEI
25.423	364		R99	F	RP-12	RP-010379	R3-011392	approved	Addition of missing IEs in RL Setup and RL Addition	3.5.0	3.6.0	R3	TEI
25.423	365		Rel-4	A	RP-12	RP-010379	R3-011393	approved	Addition of missing IEs in RL Setup and RL Addition	4.0.0	4.1.0	R3	TEI
25.423	366		R99	F	RP-12	RP-010379	R3-011394	approved	Cell in CTrCh Resource Initialisation	3.5.0	3.6.0	R3	TEI
25.423	367		Rel-4	A	RP-12	RP-010379	R3-011395	approved	Cell in CTrCh Resource Initialisation	4.0.0	4.1.0	R3	TEI
25.423	368		R99	F	RP-12	RP-010379	R3-011396	approved	Alignment of Neighbouring GSM Cell Information with RRC	3.5.0	3.6.0	R3	TEI
25.423	369		Rel-4	A	RP-12	RP-010379	R3-011397	approved	Alignment of Neighbouring GSM Cell Information with RRC	4.0.0	4.1.0	R3	TEI
25.423	372		Rel-4	F	RP-12	RP-010394	R3-011415	approved	Correction of Neighbouring TDD Cell Measurement Info	4.0.0	4.1.0	R3	LCS1-UEPos-lublur
25.423	373		Rel-4	F	RP-12	RP-010394	R3-011416	approved	Removal syntax errors from Rel.4 RNSAP ASN.1	4.0.0	4.1.0	R3	TEI
25.423	374		Rel-4	F	RP-12	RP-010394	R3-011418	approved	Clean-up of Rate Control on DCHs	4.0.0	4.1.0	R3	RANimp-RRMopt
25.423	375	1	Rel-4	F	RP-12	RP-010394	R3-011724	approved	Allowed combination of the measurement and event types	4.0.0	4.1.0	R3	LCS1-UEpos-lublur
25.423	376		Rel-4	F	RP-12	RP-010394	R3-011425	approved	DSCH Power Control Improvement	4.0.0	4.1.0	R3	RInImp-DSCHsho
25.423	377	1	R99	F	RP-12	RP-010379	R3-011657	approved	Correction of the text for ToAWE IE	3.5.0	3.6.0	R3	TEI
25.423	378	1	Rel-4	A	RP-12	RP-010379	R3-011658	approved	Correction of the text for ToAWE IE	4.0.0	4.1.0	R3	TEI
25.423	379		Rel-4	F	RP-12	RP-010394	R3-011448	approved	Correction of a wrong CR Implementation	4.0.0	4.1.0	R3	LCS1-UEpos-lublur
25.423	380		Rel-4	F	RP-12	RP-010394	R3-011449	approved	Correction of the Information Exchange procedures	4.0.0	4.1.0	R3	LCS1-UEpos-lublur
25.423	381	1	R99	F	RP-12	RP-010379	R3-011682	approved	Correction of TDD DL TPC Step Size After addition of CCTrCH in Synchronised	3.5.0	3.6.0	R3	TEI

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									Reconfiguration				
25.423	382		Rel-4	A	RP-12	RP-010379	R3-011499	approved	Correction of TDD DL TPC Step Size After addition of CCTrCH in Synchronised Reconfiguration	4.0.0	4.1.0	R3	TEI
25.423	387	1	R99	F	RP-12	RP-010379	R3-011683	approved	Measurement clarifications	3.5.0	3.6.0	R3	TEI
25.423	388	1	Rel-4	A	RP-12	RP-010379	R3-011684	approved	Measurement clarifications	4.0.0	4.1.0	R3	TEI
25.423	389		R99	F	RP-12	RP-010379	R3-011530	approved	Clarification on DL Power reference	3.5.0	3.6.0	R3	TEI
25.423	390		Rel-4	A	RP-12	RP-010379	R3-011531	approved	Clarification on DL Power reference	4.0.0	4.1.0	R3	TEI
25.423	391	2	Rel-4	F	RP-12	RP-010394	R3-011779	approved	Alignment of LCR TDD to the latest R99 modifications	4.0.0	4.1.0	R3	LCRTDD-lublur
25.423	393	1	Rel-4	F	RP-12	RP-010394	R3-011728	approved	Uplink power control for 1.28 Mcps TDD	4.0.0	4.1.0	R3	LCRTDD-lublur
25.423	394	1	R99	F	RP-12	RP-010379	R3-011700	approved	RNSAP general corrections	3.5.0	3.6.0	R3	TEI
25.423	395	1	Rel-4	A	RP-12	RP-010379	R3-011701	approved	RNSAP general corrections	4.0.0	4.1.0	R3	TEI
25.423	398		R99	F	RP-12	RP-010380	R3-011616	approved	Correct term to refer to a MCC+MNC combination is PLMN identity.	3.5.0	3.6.0	R3	TEI
25.423	399		Rel-4	A	RP-12	RP-010380	R3-011619	approved	Correct term to refer to a MCC+MNC combination is PLMN identity.	4.0.0	4.1.0	R3	TEI
25.423	402	3	R99	F	RP-12	RP-010380	R3-011856	approved	Cell Reserved for operator use	3.5.0	3.6.0	R3	TEI
25.423	403	3	Rel-4	A	RP-12	RP-010380	R3-011857	approved	Cell Reserved for operator use	4.0.0	4.1.0	R3	TEI
25.423	404		R99	F	RP-12	RP-010380	R3-011697	approved	Correction to the critically information of DL Code Information in tabular format	3.5.0	3.6.0	R3	TEI
25.423	405		Rel-4	A	RP-12	RP-010380	R3-011698	approved	Correction to the critically information of DL Code Information in tabular format	4.0.0	4.1.0	R3	TEI
25.423	406		R99	F	RP-12	RP-010380	R3-011706	approved	Alignment the range of TGPRC with RRC	3.5.0	3.6.0	R3	TEI
25.423	407		Rel-4	A	RP-12	RP-010380	R3-011707	approved	Alignment the range of TGPRC with RRC	4.0.0	4.1.0	R3	TEI
25.423	408	1	R99	F	RP-12	RP-010380	R3-011774	approved	Addition of S-RNTI and D-RNTI to the ERROR INDICATION message	3.5.0	3.6.0	R3	TEI
25.423	409	1	Rel-4	A	RP-12	RP-010380	R3-011775	approved	Addition of S-RNTI and D-RNTI to the ERROR INDICATION message	4.0.0	4.1.0	R3	TEI
25.423	410		R99	F	RP-12	RP-010380	R3-011737	approved	Reference to superseded versions of ASN.1 documents	3.5.0	3.6.0	R3	TEI
25.423	411		Rel-4	A	RP-12	RP-010380	R3-011738	approved	Reference to superseded versions of ASN.1 documents	4.0.0	4.1.0	R3	TEI
25.423	412		Rel-4	F	RP-12	RP-010394	R3-011751	approved	Correct the CR implementation error in the ASN.1	4.0.0	4.1.0	R3	TEI
25.423	413	2	R99	F	RP-12	RP-010380	R3-011880	approved	Alignment of Conditional Presence with RAN3 Specification Principles	3.5.0	3.6.0	R3	TEI
25.423	414	2	Rel-4	A	RP-12	RP-010380	R3-011881	approved	Alignment of Conditional Presence with RAN3 Specification Principles	4.0.0	4.1.0	R3	TEI
25.427	047		Rel-4	F	RP-12	RP-010395	R3-011426	approved	Identify some parameter only used in 3.84Mcps	4.0.0	4.1.0	R3	LCRTDD-lublur

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									TDD				
25.427	049		R99	F	RP-12	RP-010381	R3-011501	approved	CRCI Inclusion in the UL Data Frames	3.6.0	3.7.0	R3	TEI
25.427	050		Rel-4	A	RP-12	RP-010381	R3-011502	approved	CRCI Inclusion in the UL Data Frames	4.0.0	4.1.0	R3	TEI
25.427	053	1	R99	F	RP-12	RP-010381	R3-011649	approved	UP Synchronisation for a Radio Link	3.6.0	3.7.0	R3	TEI
25.427	054	1	Rel-4	A	RP-12	RP-010381	R3-011650	approved	UP Synchronisation for a Radio Link	4.0.0	4.1.0	R3	TEI
25.430	018		R99	F	RP-12	RP-010382	R3-011364	approved	Clarification of Common Channel logical model	3.5.0	3.6.0	R3	TEI
25.430	019		Rel-4	A	RP-12	RP-010382	R3-011365	approved	Clarification of Common Channel logical model	4.0.0	4.1.0	R3	TEI
25.430	020		R99	F	RP-12	RP-010382	R3-011483	approved	Traffic Management in Common Channels	3.5.0	3.6.0	R3	TEI
25.430	021		Rel-4	A	RP-12	RP-010382	R3-011484	approved	Traffic Management in Common Channels	4.0.0	4.1.0	R3	TEI
25.430	022		R99	F	RP-12	RP-010382	R3-011508	approved	Alignment of Cell description to NBAP	3.5.0	3.6.0	R3	TEI
25.430	023		Rel-4	A	RP-12	RP-010382	R3-011509	approved	Alignment of Cell description to NBAP	4.0.0	4.1.0	R3	TEI
25.433	389	2	R99	F	RP-12	RP-010383	R3-011864	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	3.5.0	3.6.0	R3	TEI
25.433	390	2	Rel-4	A	RP-12	RP-010383	R3-011865	approved	Corrections and introduction of an appendix for usage of Criticality Diagnostics IE	4.0.0	4.1.0	R3	TEI
25.433	391		R99	F	RP-12	RP-010383	R3-011329	approved	Reporting of Logical Error with Error Indication Procedure	3.5.0	3.6.0	R3	TEI
25.433	392		Rel-4	A	RP-12	RP-010383	R3-011330	approved	Reporting of Logical Error with Error Indication Procedure	4.0.0	4.1.0	R3	TEI
25.433	393		R99	F	RP-12	RP-010383	R3-011337	approved	Clarification of IEs order rule	3.5.0	3.6.0	R3	TEI
25.433	394		Rel-4	A	RP-12	RP-010383	R3-011338	approved	Clarification of IEs order rule	4.0.0	4.1.0	R3	TEI
25.433	395		R99	F	RP-12	RP-010383	R3-011368	approved	Modification of RL-Setup and RL-Addition procedure text	3.5.0	3.6.0	R3	TEI
25.433	396		Rel-4	A	RP-12	RP-010383	R3-011369	approved	Modification of RL-Setup and RL-Addition procedure text	4.0.0	4.1.0	R3	TEI
25.433	397		R99	F	RP-12	RP-010383	R3-011372	approved	Clarification on Procedure Parallelism for RL Restoration	3.5.0	3.6.0	R3	TEI
25.433	398		Rel-4	A	RP-12	RP-010383	R3-011373	approved	Clarification on Procedure Parallelism for RL Restoration	4.0.0	4.1.0	R3	TEI
25.433	399	2	R99	F	RP-12	RP-010383	R3-011767	approved	Measurement reporting clarification	3.5.0	3.6.0	R3	TEI
25.433	400	2	Rel-4	A	RP-12	RP-010383	R3-011768	approved	Measurement reporting clarification	4.0.0	4.1.0	R3	TEI
25.433	401		R99	F	RP-12	RP-010383	R3-011380	approved	Clarification of the CM Configuration Change CFN IE	3.5.0	3.6.0	R3	TEI
25.433	402		Rel-4	A	RP-12	RP-010383	R3-011381	approved	Clarification of the CM Configuration Change CFN IE	4.0.0	4.1.0	R3	TEI
25.433	403	1	R99	F	RP-12	RP-010383	R3-011704	approved	Clarification of DL Power Applicability	3.5.0	3.6.0	R3	TEI
25.433	404	1	Rel-4	A	RP-12	RP-010383	R3-011705	approved	Clarification of DL Power Applicability	4.0.0	4.1.0	R3	TEI
25.433	405		R99	F	RP-12	RP-010383	R3-011400	approved	Ambiguity in meaning of DL power IE	3.5.0	3.6.0	R3	TEI

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.433	406		Rel-4	A	RP-12	RP-010383	R3-011401	approved	Ambiguity in meaning of DL power IE	4.0.0	4.1.0	R3	TEI
25.433	407		R99	F	RP-12	RP-010383	R3-011402	approved	Clarification between ddMode and ALLNBCC measurements	3.5.0	3.6.0	R3	TEI
25.433	408		Rel-4	A	RP-12	RP-010383	R3-011403	approved	Clarification between ddMode and ALLNBCC measurements	4.0.0	4.1.0	R3	TEI
25.433	411		R99	F	RP-12	RP-010384	R3-011408	approved	Correction to the range of Successful RL Information in the RADIO LINK ADDITION FAILURE	3.5.0	3.6.0	R3	TEI
25.433	412		Rel-4	A	RP-12	RP-010384	R3-011409	approved	Correction to the range of Successful RL Information in the RADIO LINK ADDITION FAILURE	4.0.0	4.1.0	R3	TEI
25.433	413		Rel-4	F	RP-12	RP-010396	R3-011414	approved	Correction of Neighbouring TDD Cell Measurement Info	4.0.0	4.1.0	R3	LCS1-UEPos-lublur
25.433	414		Rel-4	F	RP-12	RP-010396	R3-011417	approved	Removal syntax errors from Rel.4 NBAP ASN.1	4.0.0	4.1.0	R3	TEI
25.433	415		Rel-4	F	RP-12	RP-010396	R3-011419	approved	Correction of NBAP Cell Sync function for TDD	4.0.0	4.1.0	R3	RANimp-Nbsync
25.433	416		Rel-4	F	RP-12	RP-010396	R3-011420	approved	Frequency Acquisition for Cell Synchronisation for TDD	4.0.0	4.1.0	R3	RANimp-Nbsync
25.433	417		Rel-4	F	RP-12	RP-010396	R3-011421	approved	Modification of the abbreviation list	4.0.0	4.1.0	R3	LCS1-UEpos-lublur
25.433	418	1	Rel-4	F	RP-12	RP-010396	R3-011725	approved	Allowed combination of the measurement and event types	4.0.0	4.1.0	R3	LCS1-UEpos-lublur
25.433	419		Rel-4	F	RP-12	RP-010396	R3-011424	approved	DSCH Power Control Improvement	4.0.0	4.1.0	R3	RInImp-DSCHsho
25.433	420	1	R99	F	RP-12	RP-010384	R3-011664	approved	Clarification on the System Information Update procedure (Information Element Functional Definition)	3.5.0	3.6.0	R3	TEI
25.433	421	1	Rel-4	A	RP-12	RP-010384	R3-011665	approved	Clarification on the System Information Update procedure (Information Element Functional Definition)	4.0.0	4.1.0	R3	TEI
25.433	422	1	R99	F	RP-12	RP-010384	R3-011806	approved	Node B resources model at common transport channel reconfiguration	3.5.0	3.6.0	R3	TEI
25.433	423	1	Rel-4	A	RP-12	RP-010384	R3-011807	approved	Node B resources model at common transport channel reconfiguration	4.0.0	4.1.0	R3	TEI
25.433	426	1	R99	F	RP-12	RP-010384	R3-011659	approved	Correction of the text for ToAWE IE	3.5.0	3.6.0	R3	TEI
25.433	427	1	Rel-4	A	RP-12	RP-010384	R3-011660	approved	Correction of the text for ToAWE IE	4.0.0	4.1.0	R3	TEI
25.433	430		R99	F	RP-12	RP-010384	R3-011459	approved	Corrections on Dedicated Measurement Initiation Request message	3.5.0	3.6.0	R3	TEI
25.433	431		Rel-4	A	RP-12	RP-010384	R3-011460	approved	Corrections on Dedicated Measurement Initiation Request message	4.0.0	4.1.0	R3	TEI
25.433	432		R99	F	RP-12	RP-010384	R3-011461	approved	Clarification to the Common Transport Channel Setup procedure	3.5.0	3.6.0	R3	TEI
25.433	433		Rel-4	A	RP-12	RP-010384	R3-011462	approved	Clarification to the Common Transport Channel Setup procedure	4.0.0	4.1.0	R3	TEI
25.433	436		R99	F	RP-12	RP-010384	R3-011487	approved	Misalignment between tabular Format and	3.5.0	3.6.0	R3	TEI

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Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									ASN.1 in NBAP				
25.433	437		Rel-4	A	RP-12	RP-010384	R3-011488	approved	Misalignment between tabular Format and ASN.1 in NBAP	4.0.0	4.1.0	R3	TEI
25.433	438	1	R99	F	RP-12	RP-010384	R3-011710	approved	Initial DL Power After addition of CCTrCH in Synchronised Reconfiguration	3.5.0	3.6.0	R3	TEI
25.433	439	1	Rel-4	A	RP-12	RP-010384	R3-011711	approved	Initial DL Power After addition of CCTrCH in Synchronised Reconfiguration	4.0.0	4.1.0	R3	TEI
25.433	440	1	R99	F	RP-12	RP-010384	R3-011681	approved	Correction of TDD DL TPC Step Size After addition of CCTrCH in Synchronised Reconfiguration	3.5.0	3.6.0	R3	TEI
25.433	441		Rel-4	A	RP-12	RP-010384	R3-011498	approved	Correction of TDD DL TPC Step Size After addition of CCTrCH in Synchronised Reconfiguration	4.0.0	4.1.0	R3	TEI
25.433	442		R99	F	RP-12	RP-010384	R3-011503	approved	Order of elements in Bitstrings	3.5.0	3.6.0	R3	TEI
25.433	443		Rel-4	A	RP-12	RP-010384	R3-011504	approved	Order of elements in Bitstrings	4.0.0	4.1.0	R3	TEI
25.433	445		R99	F	RP-12	RP-010385	R3-011514	approved	Alignmrent to the WG1 definimtion of DL power averaging window size.	3.5.0	3.6.0	R3	TEI
25.433	448	1	R99	F	RP-12	RP-010385	R3-011685	approved	Measurement clarifications	3.5.0	3.6.0	R3	TEI
25.433	449	1	Rel-4	A	RP-12	RP-010385	R3-011686	approved	Measurement clarifications	4.0.0	4.1.0	R3	TEI
25.433	450	2	Rel-4	F	RP-12	RP-010396	R3-011778	approved	Alignment of LCR TDD to the latest R99 modifications	4.0.0	4.1.0	R3	LCRTDD-lublur
25.433	451	1	Rel-4	F	RP-12	RP-010396	R3-011726	approved	Corrections to TDD 1.28 Mcps RACH parameters	4.0.0	4.1.0	R3	LCRTDD-lublur
25.433	452	2	Rel-4	F	RP-12	RP-010396	R3-011782	approved	Uplink power control for 1.28 Mcps TDD	4.0.0	4.1.0	R3	LCRTDD-lublur
25.433	453	2	Rel-4	F	RP-12	RP-010396	R3-011810	approved	Introduction of Dedicated Measurements on PUSCH	4.0.0	4.1.0	R3	TEI
25.433	454	1	Rel-4	F	RP-12	RP-010396	R3-011760	approved	Removal of the timeslot in the Cell Setup Request TDD message for LCR TDD	4.0.0	4.1.0	R3	LCRTDD-lublur
25.433	455	1	R99	F	RP-12	RP-010396	R3-011712	approved	IB Type correction	3.5.0	3.6.0	R3	TEI
25.433	456	1	Rel-4	A	RP-12	RP-010385	R3-011713	approved	IB Type correction	4.0.0	4.1.0	R3	TEI
25.433	461		R99	F	RP-12	RP-010385	R3-011708	approved	Alignment the range of TGPRC with RRC	3.5.0	3.6.0	R3	TEI
25.433	462		Rel-4	A	RP-12	RP-010385	R3-011709	approved	Alignment the range of TGPRC with RRC	4.0.0	4.1.0	R3	TEI
25.433	463	1	R99	F	RP-12	RP-010385	R3-011776	approved	Correction to the Error Indication Procedure	3.5.0	3.6.0	R3	TEI
25.433	464	1	Rel-4	A	RP-12	RP-010385	R3-011777	approved	Correction to the Error Indication Procedure	4.0.0	4.1.0	R3	TEI
25.433	465	1	Rel-4	F	RP-12	RP-010385	R3-011808	approved	Addition of "ReportCharacteristicsType-OnModification" to 9.3.4	4.0.0	4.1.0	R3	TEI
25.433	466	2	R99	F	RP-12	RP-010385	R3-011882	approved	Alignment of Conditional Presence with RAN3 Specification Principles	3.5.0	3.6.0	R3	TEI
25.433	467	3	Rel-4	A	RP-12	RP-010385	R3-011883	approved	Alignment of Conditional Presence with RAN3 Specification Principles	4.0.0	4.1.0	R3	TEI

TSG-RAN RP-010498- Revised draft Report of the 12th TSG-RAN meeting (Stockholm, Sweden, 12-15 June 2001)

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.434	010		Rel-4	F	RP-12	RP-010397	R3-011343	approved	Correction of reference number to Q.2630.1 to Q.2630.2	4.0.0	4.1.0	R3	ETRAN-QoSAAAL2
25.435	040		R99	F	RP-12	RP-010386	R3-011410	approved	Clarification of Timing Deviation for RACH/USCH	3.6.0	3.7.0	R3	TEI
25.435	041		Rel-4	A	RP-12	RP-010386	R3-011411	approved	Clarification of Timing Deviation for RACH/USCH	4.0.0	4.1.0	R3	TEI
25.435	042		Rel-4	F	RP-12	RP-010398	R3-011427	approved	Identify some parameter only used in 3.84Mcps TDD	4.0.0	4.1.0	R3	LCRTDD-lublur
25.850	001		Rel-4	F	RP-12	RP-010399	R3-011428	approved	TDD related clarifications for UE Positioning	4.0.0	4.1.0	R3	LCS1-UEPos-lublur
25.921	014		R99	F	RP-12	RP-010318	R2-011072	approved	Clean up	3.3.0	3.4.0	R2	TEI
25.921	015		Rel-4	A	RP-12	RP-010318	R2-011331	approved	Clean up	4.0.0	4.1.0	R2	TEI
25.921	016		R99	F	RP-12	RP-010318	R2-011149	approved	Usage of spare values in future releases	3.3.0	3.4.0	R2	TEI
25.921	017		Rel-4	A	RP-12	RP-010318	R2-011329	approved	Usage of spare values in future releases	4.0.0	4.1.0	R2	TEI
25.921	018	1	R99	F	RP-12	RP-010318	R2-011457	approved	Structure and naming of extensions in ASN.1	3.3.0	3.4.0	R2	TEI
25.921	019		Rel-4	A	RP-12	RP-010318	R2-011458	approved	Structure and naming of extensions in ASN.1	4.0.0	4.1.0	R2	TEI
25.921	020		R99	F	RP-12	RP-010318	R2-011485	approved	Addition of Recommendations for Extensions in RANAP, RNSAP, NBAP, and SABP	3.3.0	3.4.0	R2	TEI
25.921	021		Rel-4	A	RP-12	RP-010318	R2-011486	approved	Addition of Recommendations for Extensions in RANAP, RNSAP, NBAP, and SABP	4.0.0	4.1.0	R2	TEI
25.921	022		R99	F	RP-12	RP-010318	R2-011487	approved	Clean-up with regard to RAN WG3 Practise of Specifying Control Plane Protocols	3.3.0	3.4.0	R2	TEI
25.921	023		Rel-4	A	RP-12	RP-010318	R2-011488	approved	Clean-up with regard to RAN WG3 Practise of Specifying Control Plane Protocols	4.0.0	4.1.0	R2	TEI
25.931	009		R99	F	RP-12	RP-010387	R3-011360	approved	Correction to RAB Release Procedures	3.3.0	3.4.0	R3	TEI
25.931	010		Rel-4	A	RP-12	RP-010387	R3-011361	approved	Correction to RAB Release Procedures	4.0.0	4.1.0	R3	TEI
25.942	1		R99	F	RP-12	RP-010357	R4-010635	approved	Clarification to TDD pico - FDD macro interference simulation results	3.0.0	3.1.0	R4	TEI
25.944	007	-	R99	F	RP-12	RP-010340	R1-01-0473	approved	Correction of TTI for PCH	3.4.1	3.5.0	R1	TEI
25.944	008	-	Rel-4	A	RP-12	RP-010340	R1-01-0492	approved	Correction of TTI for PCH (3.84 Mcps TDD, Rel-4)	4.0.1	4.1.0	R1	TEI
25.944	009	-	Rel-4	A	RP-12	RP-010340	R1-01-0493	approved	Correction of TTI for PCH	4.0.1	4.1.0	R1	U-LCRTDD
34.109	007		R99	F	RP-12	RP-010319	R2-011104	approved	Clarification to Loopback Delay requirement & BTFD in TDD mode	3.3.0	3.4.0	R2	TEI
34.109	008		Rel-4	A	RP-12	RP-010319	R2-011414	approved	Clarification to Loopback Delay requirement & BTFD in TDD mode	4.0.0	4.1.0	R2	TEI
34.109	009		R99	F	RP-12	RP-010319	R2-011208	revised	Expanding UE test loop buffering capabilities to enable testing of 2048 kbps radio bearers	3.3.0		R2	TEI
34.109	009	1	R99	F	RP-12	RP-010481		approved	Expanding UE test loop buffering capabilities to enable testing of 2048 kbps radio bearers	3.3.0	3.4.0	R2	TEI
34.109	010		Rel-4	A	RP-12	RP-010319	R2-011209	revised	Expanding UE test loop buffering capabilities to enable testing of 2048 kbps radio bearers	4.0.0		R2	TEI

TSG-RAN RP-010498- Revised draft Report of the 12th TSG-RAN meeting (Stockholm, Sweden, 12-15 June 2001)

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
34.109	010	1	Rel-4	A	RP-12	RP-010481		approved	Expanding UE test loop buffering capabilities to enable testing of 2048 kbps radio bearers	4.0.0	<u>4.1.0</u>	R2	TEI

Annex D: Isolated Impact ("backwards compatibility")

TSG-RAN Meeting #12 *RP-010494*
Stockholm, Sweden, 12 - 15 June 2001

Title: Isolated Impact CRs

Source: Motorola, Nortel

Agenda item: 8

Document for: Discussion and decision

Introduction

RAN #12 discussed the term backwards compatible when used to describe CRs that correct faults in a specification in a manner that does not affect other currently correctly working functions. It was agreed that this term does not correctly describe the current understanding.

A new term, "Isolated Impact", and its definition, is proposed in this document. This is the same definition as RAN WG2 has already accepted, but modified to use the new terminology.

Definition of an Isolated Impact change

A Change implemented in version N of a 3GPP release has "Isolated Impact" when the following conditions are all met:

- Any functionality that was working in versions prior to version N still works with a UE that implements version N and a network implementing version N-1
- Any functionality that was working in versions prior to version N still works with a network that implements version N and a UE implementing version N-1
- Any functionality that was working in versions prior to version N still works with a UE that implements version N and a network implementing version N

Only consideration of interworking with version N-1 is required. This should permit interworking with any prior versions of the specifications in which the functionality was working, although exceptions may exist.

An "Isolated Impact" change needs to be implemented by networks and UEs if they support the corrected functionality so that the standard (and the functionality that it intends to correct) works.

Possible actions when a functionality is found erroneous in release 99

- Make an "Isolated Impact" change that corrects or deletes the function
- Make a non "Isolated Impact" change that corrects the function
- State that the erroneous function is not supported in release 99, and make the correction in the next release

Action when a functionality is found ambiguous in release 99, or some text needed to clarify a common understanding

- Provide necessary clarifications
- State
- « Correction to a function where the specification was :
 - ambiguous or not sufficiently explicit.
- Would not affect implementations behaving like indicated in the CR, would affect implementations supporting the corrected functionality otherwise. »

Action when there are conflicting descriptions of a functionality in release 99

- Resolve conflict
- State
- « Correction to a function where the specification was :
 - Containing some contradictions.
- Would not affect implementations behaving like indicated in the CR, would affect implementations supporting the corrected functionality otherwise. »

Action when procedural text or rules missing for a functionality in release 99

- Add new description text
- State
- « Correction to a function where the specification was :
 - Procedural text or rules were missing.
- Would not affect implementations behaving like indicated in the CR, would affect implementations supporting the corrected functionality otherwise. »

Note: a combination of the 3 cases above may be used depending on the CR.

Impact analysis

An impact analysis should provide the following:

- Define clearly the functionality which does not work
- Describe the correction which is being brought
- When the change is not “Isolated Impact”, state the consequence in the following cases:
 - Network implements the change, but not the UE
 - UE implements the change, but not the network

Annex E: Summary of Action Points

NOTE: This Summary only contains specific action points, not general ones or "encouragements".

TSG-RAN WG1

- To review the simulations to be performed on USTS during the WG1 Ad Hoc meeting and consider any resulting actions during the regular WG1 meeting (discussion on **RP-010427**).
- To complete pending work on the SI "Feasibility Study for Improved Common DL Channel for Cell-FACH Stage" and to provide an answer to WG2.

TSG-RAN WG2

- To review the response from TSG-SA WG1 to LS **RP-010285 (R2-011481)** and discuss with WG4 what distribution of work is necessary, if any.
- To consider (with WG3) the addition of other positioning methods from an architectural point of view (discussion on **RP-010400**).

TSG-RAN WG3

- To handle LS **RP-010288 (N4-010696)** as urgently as possible and to provide the CRs for the TSG-RAN #13 meeting based on the Rel-4 version of the specifications.
- To add a statement to the Iub specification indicating that the maximum DL power was defined for non-compressed mode and that in compressed mode the DL power would be increased by P_{SIR} and to elaborate a CR (discussion on CR 185 and CR 186 in **RP-010334**).
- To make sure that the WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning" is finalised by TSG-RAN #13 (discussion on **RP-010455** WG3 Status Report).
- To add to the WG3 TR on IP Transport the following statement: "Because of transition period it is felt preferable that dual stack support is the best way to evolve. This does not prevent single stack support (IPv4 or IPv6). The decision is then left for operators taking into account the potential interworking or performance consequences." (see discussion on **RP-010416**).
- To consider (with WG2) the addition of other positioning methods from an architectural point of view and to discuss in which specification to cover such methods (discussion on **RP-010400**).
- To review the WI sheet for WI "Iur Neighbouring cell reporting Efficiency Optimisation" for TSG-RAN #13 (see **RP-010474**).

TSG-RAN WG4

- To review the response from TSG-SA WG1 to LS **RP-010285 (R2-011481)** and discuss with WG2 what distribution of work is necessary, if any.
- To rediscuss the power class issue of LS **RP-010453 (R4-010723)** and to inform WG3 of any possible impacts after the issue has been rediscussed in WG4.
- To discuss receiver sensitivity and channel raster (UMTS 1800/1900) and keep WG2 and other impacted WGs informed of the conclusions (discussion on CR 101 and CR 102 in **RP-010347**).

TSG-RAN Chairman

- To discuss with the TSG-SA WG1 Chairman to ensure a timely response to LS **RP-010285 (R2-011481)** in order to allow WG2 and WG4 to review the response.
- To discuss with the TSG-T WG1 Chairman what should and should not be tested based on LS **RP-010285 (R2-011481)**.
- To investigate with TSG-SA whether a revision of the CR cover sheet can be made, taking into account Isolated Impact (**RP-010494**).
- To forward **RP-010424** to PCG.
- To discuss in TSG-SA the WI "Vendor specific extensions in NBAP, RNSAP, RANAP and SABP messages" (**RP-010475**).

TSG-RAN WG Chairmen/MCC support

- To inform the WG for which they are responsible about the Isolated Impact decisions (**RP-010494**).

Other

Martin Israelsson

- To check with TSG-SA WG3 on the status of the missing LS on IP security (discussion on **RP-010455** WG3 Status Report).

Antti Toskala

- To report what needed to be done on WI "UE Specific beamforming with dedicated pilots" in the different WGs (this implied that the WGs would need to do the necessary investigation) and what could be done with current R'99 UEs, preferably in one WG meeting cycle and to circulate the result on the TSG-RAN reflector for information and approval of the new WI sheet.

Annex F: Meeting schedule

NOTE: Updates to meeting dates, hosts and/or venues are indicated in red and underlined.

TSG-RAN

Meeting	Date	Host	Location
RAN#13	18 - 21 September 2001	Lucent Technologies	Beijing, China
<u>3G_2HSDPA</u>	<u>13 - 14 November 2001</u>	<u>3GPP2</u>	<u>New York, NY/NJ, USA</u>
RAN#14	11 - 14 December 2001	ARIB, TTC	Kyoto, Japan
RAN#15	05 - 08 March 2002	TTA	tbd, Korea
RAN#16	04 - 07 June 2002	Motorola	Marco Island, FL, USA
RAN#17	03 - 06 September 2002	Alcatel	tbd, France
RAN#18	03 - 06 December 2002	North American Friends of 3GPP	tbd, USA
RAN#19	?? - ?? March 2003	UK Friends of 3GPP	tbd, UK
RAN#20	?? - ?? June 2003	Nokia	tbd, Finland

TSG-RAN WG1

Meeting	Date	Host	Location
#22	<u>23 - 26 October 2001</u>	<u>North American Friends of 3GPP</u>	<u>New York, NY, USA</u>
#23	19 - 23 November 2001	Samsung	tbd, Korea
<u>#24</u>	<u>08 - 11 January 2002</u>		
<u>#25</u>	<u>12 - 15 February 2002</u>		<u>tbd, USA</u>
<u>#26</u>	<u>09 - 12 April 2002</u>		
<u>#27</u>	<u>14 - 17 May 2002</u>	<u>TTA companies</u>	<u>tbd, Korea</u>
<u>#28</u>	<u>25 - 28 June 2002</u>		
<u>#29</u>	<u>20 - 23 August 2002</u>		
<u>#30</u>	<u>24 - 27 September 2002</u>		
<u>#31</u>	<u>12 - 15 November 2002</u>		

TSG-RAN WG2

Meeting	Date	Host	Location
#24	<u>22 - 26 October 2001</u>	GBT	New York, NY, USA
#25	26 - 30 November 2001	Fujitsu, <u>NEC</u>	Makuhari, Japan
<u>#26</u>	<u>07 - 11 January 2002</u>	<u>ETSI</u>	<u>Sophia Antipolis, France</u>
<u>#27</u>	<u>18 - 22 February 2002</u>	<u>Motorola</u>	<u>tbd, USA</u>
<u>#28</u>	<u>08 - 12 April 2002</u>	<u>J-Phone</u>	<u>tbd, Japan</u>
<u>#29</u>	<u>13 - 17 May 2002</u>	<u>TTA companies</u>	<u>tbd, Korea</u>
<u>#30</u>	<u>24 - 28 June 2002</u>	<u>Omnitel</u>	<u>tbd, Italy</u>
<u>#31</u>	<u>19 - 23 August 2002</u>		<u>Europe (tbc)</u>
<u>#32</u>	<u>23 - 27 September 2002</u>	<u>CATT</u>	<u>tbd, China</u>
<u>#33</u>	<u>11 - 15 November 2002</u>		<u>Europe (tbc)</u>

TSG-RAN WG3

Meeting	Date	Host	Location
#24	<u>22 - 26 October 2001</u>	<u>North American Friends of 3GPP</u>	New York, NY, USA
#25	26 - 30 November 2001	Fujitsu, <u>NEC</u>	Makuhari, Japan
<u>#26</u>	<u>07 - 11 January 2002</u>		<u>Europe (tbc)</u>
<u>#27</u>	<u>18 - 22 February 2002</u>	<u>Motorola (tbc)</u>	<u>tbd, USA (tbc)</u>
<u>#28</u>	<u>08 - 12 April 2002</u>	<u>J-Phone (tbc)</u>	<u>tbd, Japan (tbc)</u>
<u>#29</u>	<u>13 - 17 May 2002</u>	<u>TTA companies</u>	<u>tbd, Korea</u>
<u>#30</u>	<u>24 - 28 June 2002</u>	<u>Omnitel (tbc)</u>	<u>tbd, Italy (tbc)</u>
<u>#31</u>	<u>19 - 23 August 2002</u>		<u>Europe (tbc)</u>
<u>#32</u>	<u>23 - 27 September 2002</u>	<u>CATT (tbc)</u>	<u>tbd, China (tbc)</u>
<u>#33</u>	<u>11 - 15 November 2002</u>		<u>Europe (tbc)</u>

TSG-RAN WG4

Meeting	Date	Host	Location
#20	12 - 16 November 2001	North American Friends of 3GPP	New York, USA
#21	<u>28 January - 01 February</u> 2002	<u>ETSI</u>	<u>Sophia Antipolis, France</u>
#22	13 - 17 May 2002	Samsung	tbd, Korea
#23	12 - 16 August 2002		
#24	11 - 15 November 2002		