TSG-RAN meeting #16 RP-020266
Marco Island, FL, USA, 4-7 June 2002

Title: **Approved Report of the 15th TSG-RAN meeting (Jeju-do, Korea, 5-8 March 2002)**
Document for: **Information**
Source: **3GPP support team**

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Executive summary

During TSG-RAN #15, a total of 262 documents were handled. For R'99 191 CRs were approved, for Rel-4 (only, not including Category A CRs following from R'99 CRs) an additional 59 CRs and for Rel-5 (again not including Category A CRs) an additional 117 CRs.

Release '99 and Release 4

Review of functionality in R'99 led to the removal of the no coding option for FDD from R'99 and Rel-4. The usefulness of a bit indicating full or partial testing for a terminal led again to debate (to be reviewed in June). Any time interrogation functionality available in GSM was decided to be included from Rel-4. The TSG-RAN position on the use of the version agreed at TSG-RAN #15 (March 2002) for test elaboration was approved in a joint meeting with TSG-T. TSG-RAN WGs would support the review of prose description of test cases.
On ITU-R, a reminder for the OPs on compliance with ITU-R procedures relating to ITU-R M.1457 was approved and would be provided to PCG. The ITU-R Ad Hoc group was tasked to provide a proposal in response to an LS from ITU-R WP8/F on the schedule for updating ITU-R M.1457.

Release 5 and beyond

All existing WIs and SIs were reviewed, including the planned finalisation dates. The following WIs were completed:

- WI "Enhancement on the DSCH hard split mode"
- WI "Radio Link Timing Adjustment"
- WI "Separation of resource reservation and radio link activation"
- WI "Iur Common Transport Channel Efficiency Optimisation"
- WI "Iur Neighbouring cell reporting Efficiency Optimisation"
- WI "Node B synchronization for 1.28 Mcps TDD"
- WI "Re-arrangement of Iub transport bearers"- WI "IP Transport in UTRAN"
- WI "UE Positioning Enhancements for 1.28 Mcps TDD"
- WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes" ("Iu-flex")
- WI "High Speed Downlink Packet Access (HSDPA) - *Physical Layer*"- WI "High Speed Downlink Packet Access (HSDPA) - *layer 2 and 3 aspects*"
- WI "High Speed Downlink Packet Access (HSDPA) - *Iub/Iur Protocol Aspects*"
- SI "Mitigating the Effect of CPICH Interference at the UE" (new WI approved as a result)The following WIs were almost completed and were proposed to be finalised at TSG-RAN #16:
- TDD Base Station Classification
- Base Station Classification for 1.28 Mcps TDD option
- Radio access bearer support enhancement
- Support of Site Selection Diversity Transmission in UTRAN
- High Speed Downlink Packet Access (HSDPA) - *RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing*A workshop was agreed to be held on MBMS with TSG-SA WG1, TSG-SA WG2 and TSG-GERAN, tentative date 6-7 May. Based on a CR to WG3 specifications on TSG-GERAN WI "Location Services for GERAN in Iu Mode", co-ordination with TSG-GERAN was needed.

New approved WIs and SIs [leading WG and planned finalisation date between square brackets]:

- WI "Shared Network support in connected Mode" [WG3, RP#17 with intent to finish by RP#16]
- WI "Improving Receiver Performance Requirements for the FDD UE" [WG4, RP#18]
- SI " UE Antenna efficiency test methods and requirements" [WG4, RP#18]

1 Opening of the meeting

Francois Courau (Chairman) opened the meeting. Hyeon Woo Lee (Samsung) welcomed the delegates to Jeju Island.

2 Approval of the agenda

RP-020001 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 #14

RP-020002 Draft Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001) (Secretary)

RP-020003 Revised draft Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001) (Secretary)

RP-020004 Second draft revised Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001) (Secretary)
The revised meeting report of TSG-RAN #14 in RP-020004 had been distributed via the email reflector and was on the server.
Decision: The report was approved. The approved report would be available in RP-020005.

RP-020005 Approved Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001) (Secretary)
This was the approved report of the TSG-RAN #14 meeting.

4 Reminder for IPR declaration

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#14

This report had been provided by e-mail.

6 Liaisons from other groups

6.1 Groups outside 3GPP

6.1.1 ITU-T

RP-020108 (ITU-T LS13-35, to TSG-RAN) LS on AAL Type 2 Resource Management (ITU-T)
Francois Courau (Chairman) presented this LS.
Decision: The LS was noted. WG3 was asked to consider it at its next meeting.

RP-020109 (ITU-T LS13-36, to TSG-RAN) LS on Comments on ITU-T Study Group 11 liaison on "Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP QoS classes" (ITU-T)
Francois Courau (Chairman) presented this LS.
Discussion: The LS was for information. There might be an impact on WG2 and WG3 in the future.
Decision: The LS was noted.

RP-020110 (ITU-T LS13-38, to TSG-RAN) LS on Generic QoS Service Requirements (ITU-T)
Francois Courau (Chairman) presented this LS.
Discussion: This was the response from SG13 to the LS from SG11 (LS13-36/R2-020109).
Decision: The LS was noted.

6.1.2 ETSI TC ERM

RP-020008 (RM19(01)SA52r1, to TSG-RAN) LS on Radio matters on Receiver Performance Parameters (ETSI TC ERM)
Francois Courau (Chairman) presented this LS.
Discussion: The LS had been checked offline by WG4 delegates and did not apply to 3GPP.
Decision: The LS was noted.

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

6.2.1 TSG-SA and TSG-SA WGs

RP-020007 (S2-020276, copy TSG-RAN) LS on Restoration of R'96 Any Time Interrogation functionality (TSG-SA WG2)
Francois Courau (Chairman) presented this LS.
Discussion: This issue was handled with RP-020260.
Decision: The LS was noted.

RP-020041 (S2-020860, to TSG-RAN) Response to LS (R3-020286) on Shared network scenarios considered by TSG-RAN WG3 (TSG-SA WG2)
Martin Israelsson (TSG-RAN WG3) presented this LS.
Discussion: The WG3 elements needed to be studied. There was no WI for this and one should be approved if work was to continue on this issue. See discussion on RP-020246 (agenda item 9.11). This issue was handled with RP-020260.
Decision: The LS was noted.

RP-020107 (S4-020227, copy TSG-RAN) LS on WCDMA reference bearers for streaming (TSG-SA WG4)

Paolo Usai (TSG-SA WG4 Secretary) presented this LS.
Decision: The LS was noted. WG1 and WG2 were tasked to take the LS into account and perhaps WG4 should also have a look at it.

6.2.2 TSG-T and TSG-T WGs

RP-020042 (T1-020185, copy TSG-RAN) Response to LS (RP-010955, RP-010956 and R1-020193) on 34.108 updates (TSG-T WG1)

Francois Courau (Chairman) presented this LS.
Discussion: This topic was discussed in the joint meeting with TSG-T (see agenda item 8).
Decision: The LS was noted.

RP-020043 (T1-020187, copy TSG-RAN) LS on Unlocking of current Prose/TTCN from R'99, version June '01 (TSG-T WG1)

Francois Courau (Chairman) presented this LS.
Discussion: It was commented that the core specifications were the ones that a UE implementation to follow, and that with the number of R'99 CRs coming down, the relevant test cases should in future also be kept up-to-date. This principle was agreed to be the starting point for the discussion in the joint meeting with TSG-T. It would also be good to start looking at the impacts on the test specifications (assuming that there was alignment between the core specifications and the test specifications). Actually, companies proposing changes to the TSG-RAN specifications should also propose the relevant CRs to the TSG-T specifications. It was not the intention to make the approval of TSG-RAN CRs dependent on the approval of TSG-T CRs. However, the aim should be to have the CRs in TSG-T in the same round if at all possible. Additionally, it was commented that WG2 delegates had discovered numerous errors or mistakes in the TSG-T WG1 specifications and it was asked if there was a need for a formal review of these specifications by TSG-RAN WGs, or whether it would be up to companies to make corrections. This was all the more reason to ask companies to review the impact on test specifications when proposing changes to TSG-RAN specifications. This topic was further discussed in the joint meeting with TSG-T.
Decision: The LS was noted. Working Group Chairmen were tasked to ensure that delegates in their meeting would provide information on test impacts on the cover sheet of CRs.

6.2.3 TSG-CN and TSG-CN WGs

There was no input for this agenda item.

6.2.4 TSG-GERAN and TSG-GERAN WGs

There was no input for this agenda item.

6.3 TSG-RAN WGs

6.3.1 TSG-RAN WG1

RP-020040 (R1-020519 and R2-020593, to TSG-RAN) LS on Special submission of CRs for feature deferral or removal (TSG-RAN WG1 and TSG-RAN WG2)

This document was revised by RP-020159.

RP-020159 (R1-020519 and R2-020593, to TSG-RAN) LS on Special submission of CRs for feature deferral or removal (TSG-RAN WG1 and TSG-RAN WG2)

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

Discussion: The removal of no coding had been objected to in WG2, which is why it was attached to this LS from WG2 point of view. There were several WG1 and WG3 CRs to be taken into account when a decision was taken. The category of the WG2 CRs was "C" because "F" was felt to be misleading. The features that were proposed to be removed were working and were therefore not "corrections". The proposal had been to delete things because various companies felt there were enough options in R'99 already and making something optional did not help from implementation point of view. There were several documents due to come. The initial purpose had been to speed up testing and implementation, but it looked more and more that this goal would not be achieved with the smaller and smaller list of features remaining. One company opposed removal of "no coding"; three companies were opposing removal of "SSDT"; there might be a problem on removal of "Power control DPC Mode 1" for Node B testing; One company were opposing removal of "Tx Diversity Closed loop mode 2". Removal of "Power control algorithm 2" had been opposed already by TSG-T WG1 and had been taken out. Based on some preliminary discussion it was agreed not to remove all the features. There was still a debate about the no coding for FDD. It was discussed that removal of the "no coding" option only for FDD and Power control DPC Mode 1 (from R'99) seemed possible, but WG4 liked to have a look at them. After further thought, there was an objection to defer (remove R'99) of Power control DPC Mode 1. It was commented that it was disappointing that after all the discussion only one small removal could reach consensus.

Decision: The LS was noted. It was agreed to remove the "no coding" option for FDD only. The CRs for this removal were provided in RP-020231.

6.3.2 TSG-RAN WG2

See agenda item 6.3.1.

6.3.3 TSG-RAN WG3

RP-020212 (R3-020734, to TSG-RAN) Response to LS (S2-020276) on Restoration of R'96 Any Time Interrogation functionality (TSG-RAN WG3)

Alan Law (Vodafone Group) presented this LS.

Discussion: This was the response from WG3 to S2-020276. It was explained that there was a difference between R'99, Rel-4 and Rel-5. The reason why it was asked to put this into 3GPP was that it was possible to use this in GSM. There was no consensus on whether this was a correction to be done for R'99, because a number of companies (manufacturers) believed that it was an enhancement that should go to Rel-5, while some other companies (operators) believed it was an essential correction. This issue was handled as part of the discussion on RP-020260.

Decision: The LS was noted.

6.3.4 TSG-RAN WG4

RP-020006 (R4-020448, copy TSG-RAN) LS on UE control and monitoring functions (TSG-RAN WG4)

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

Discussion: There were problems with the wording. It was not only dependent on frequency and time synchronisation. The wording had to cover various radio technologies and therefore had to be rather general. However it was stressed that the review would take place within TFES to ensure that all covered technologies would be taken into account.

Decision: The LS was noted.

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

RP-020112 Closed loop transmit diversity status in R'99 (Motorola)
This document was withdrawn.

RP-020200 IPv4 Address Allocation Guidelines for GPRS Network Infrastructure & Mobile Terminals (Cingular Wireless, BT Cellnet)
Marc Grant (Cingular) presented this document.
Discussion: The document was for information.
Decision: The document was noted.

RP-020218 Introduction of "Interim test phase" and deferral to Release 4 (Fujitsu, NEC)
This document was withdrawn.

RP-020231 Approved CRs (R'99 and Rel-4 Category A) on Removal of Channel Coding (Siemens)
Meik Kottkamp (Siemens) presented these CRs.
Decision: The CRs were **approved**.

RP-020234 Withdrawn CRs (R'99) on Removal of Power control DPC Mode 1 from R99 only (Panasonic)
Decision: The CRs were **withdrawn** because of the follow-up discussion on RP-020159.

7.1 TSG-RAN WG1

7.1.1 Report from TSG-RAN WG1

RP-020044 Report from WG1 chairman to TSG-RAN (TSG-RAN WG1 Chairman)

RP-020045 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-020044) and the supplement of agreed CRs (RP-020045).
Presentation:

- R'99:
  - One R'99 Joint meeting (with WG2) and two full WG1 meeting since TSG-RAN#14;
  - Release '99 CRs reducing rapidly, 17 CRs, of which 6 for FDD. (+CRs for deferral of some features to Rel-4/removal);
  - Measurement was biggest area of clarifications, resolved after WG1/WG2 joint session in Orlando;
  - On R'99 issues TSG-RAN guidance asked on the issues identified for deferral/removal during the joint meeting. Technically correct CRs reviewed by the WGs, provided with drafting company as source for TSG-RAN (TSG-RAN WG1 had no objections on removal of no coding option (kept for 1.28 Mcps TDD).
- Rel-4:
  - Release 4 CRs total was one CR.
- Rel-5:
  - Highest number of papers for High Speed Downlink Packet Access (HSDPA), CRs for 25201, 25.211 to 25.214 and 25,221 to 25.224 agreed;
  - HSDPA was the biggest topic in TSG-RAN WG1.

Discussion:
- There were some questions on the availability of performance requirements for HSDPA and other WIs. The intention was that the performance requirements shall be part of the WI before it was considered complete.

Decision: The report was noted. WG4 was asked to provide test cases for Tx diversity in soft handover and for Support of SSDT to consider the need for Node B requirements for coming releases.

7.1.2 Discussions on decisions from TSG-RAN WG1

RP-020203 SSDT (Fujitsu)
Following the discussion on RP-020040, it was not felt necessary to discuss this document any more because of the decision made on SSDT.
Decision: The document was withdrawn.

RP-020059 CRs (R'99 and Rel-4 Category A) on feature "no coding" (TSG-RAN WG1)
This document did not need to be treated as it was superseded by RP-020231 (see agenda item 7).

RP-020236 Revised CR 230r2 (R'99) and CR 231r2 (Rel-4 Category A) to TS 25.214 (Fujitsu, NEC)
This document was revised with RP-020261.

RP-020261 Approved CR 230r2 (R'99) and CR 231r2 (Rel-4 Category A) to TS 25.214 (Fujitsu, NEC)
Sunil Vadgama (Fujitsu) presented this document.
Decision: The CRs were **approved**.

RP-020245 Approved CR 113r2 (R'99) and CR 114r3 (Rel-4 Category A) to TS 25.215 (Nortel Networks, Nokia)
Evelyne Le Strat (Nortel Networks) presented these CRs.
Decision: The CRs were **approved**.

RP-020204 Withdrawn CR 114r2 (Rel-4 Category A) to TS 25.215 (Nortel Networks)
Discussion: There was a need for a revision based on the discussed revision of CR 113. Both would be provided together.
Decision: The CR was **withdrawn**.

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

CRs from TSG-RAN WG1

Tdoc	Related spec.	Title	Result
RP-020046	25.211	Agreed CRs	approved
RP-020047	25.214	Agreed CRs	approved 1)
RP-020236	25.214	Revised CR 230r2 (R'99) and CR 231r2 (Rel-4 Category A) to 25.214	revised
RP-020261	25.214	Approved CR 230r3 (R'99) and CR 231r3 (Rel-4 Category A) to 25.214	approved
RP-020048	25.215	Agreed CRs	approved 2)
RP-020204	25.215	Withdrawn CR 114r2 (Rel-4) to 25.215	withdrawn
RP-020245	25.215	Approved CR 113r2 (R'99) and CR 114r3 (Rel-4 Category A) to 25.215	approved
RP-020049	25.221	Agreed CRs	approved
RP-020050	25.222	Agreed CRs	approved
RP-020051	25.223	Agreed CRs	approved
RP-020052	25.224	Agreed CRs	approved

1) CR 230 and CR 231 were **revised**. These CRs were for R'99/Rel-4, but it was agreed at TSG-RAN #14 that the UTRAN side of SSDT would be completed in Rel-5. After offline discussion it was agreed that Qth would have an infinite value for R'99. Revisions would be provided in RP-020236.
2) CR 113 and CR 114 were **revised**. The revisions would be provided in RP-020245.

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

CRs from TSG-RAN WG1

Tdoc	Related spec.	Title	Result
RP-020053	25.214	Agreed CRs	approved

7.2 TSG-RAN WG2

7.2.1 Report from TSG-RAN WG2

RP-020060 Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

RP-020061 Supplement (List of all agreed CRs and all technically endorsed CRs) to Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

Denis Fauconnier (Chairman TSG-RAN WG2) presented this report (RP-020060) and the supplement of agreed R'99 CRs (RP-020061).

Presentation:

- R'99:
  - Occupied 75% of last meeting => decreasing;- Most corrections on aspects which were not described, unclear, or incorrect. Level of impact of CRs decreasing except on security;
  - Identified security open issues were all resolved;- measurement alignment resolved with WG1;
  - One consensus missing on UP;- Isolated impact analysis more detailed. Expected to become rule.- RABs and RBs for Release '99: CR to 34.108 sent to TSG-T WG1; joint meeting with WG1.
  - Release '99 clean-up: One joint meeting with WG1;
  - Next task to assist TSG-T WG1.
- Rel-4:
  - Some corrections, mainly on 1.28 Mcps TDD.
- Rel-5:
  - One meeting dedicated to Release 5;
  - HSDPA completed;
  - UE positioning for 1.28 Mcps TDD completed;
  - Some small Rel-5 work items requested to be progressed until June 2002;- CRs on WIs under other WGs agreed.

Discussion:

- It was commented that MBMS was being blocked in TSG-RAN WG2 despite perceived progress in TSG-SA WG1 and TSG-SA WG2. It was answered that TSG-SA WG2 had sent an LS in January saying that all work should be stopped. Also, there had been only two contributions in TSG-RAN WG2, one in January that had been treated, and one in February (from the same source) for which there had been no time. If work was to progress, contributions were needed. Also, a workshop had been suggested to TSG-SA WG1 (and TSG-SA WG2), as the current Stage 1 was not very usable. It was necessary for the radio TSGs to know which requirements were essential and which ones were nice to have. This had been communicated to TSG-SA WG1 and WG2. Delegates from the two TSG-SA groups had also been invited to the Orlando TSG-RAN WG meetings (for the detailed LS, see WG2 Tdoc R2-020152), but were unable to attend. It was therefore not possible to say that work had been blocked.

- There was a discussion on the interim test marker. This would be discussed when discussing RP-020078, containing the technically endorsed CRs on this topic.
- It was explained that "enhancements" on the RLC slide really were corrections that were felt to be too late for R'99 and were therefore only corrected from Rel-4 onward.
- It was explained that there was no mention of SIs belonging to other WGs because that information ought to be covered by the relevant status reports.

Decision: The report was noted.

7.2.2 Discussions on decisions from TSG-RAN WG2

RP-020078 Technically endorsed CRs (R'99 and Rel-4 Category A) on Introduction of test marker (Ericsson)

Denis Fauconnier (TSG-RAN WG Chairman) presented these CRs.

Discussion: There was doubt that the distinction between 'early' and 'late' terminals was useful. Furthermore some companies explained that they would favour a list of the interim tests to be part of 3GPP specifications. It was answered that this might only be useful when problems might appear. Furthermore this list would not be permanent but would be evolving from meeting to meeting and would therefore not be very useful.A show of hands showed a roughly equal number of proponents (mostly manufacturers) and opponents (mostly operators). It was further explained that there were three phases ('launch', 'interim' and 'fully tested'), but that the first of these had been explicitly excluded in TSG-RAN #14 from the signalling and that therefore one bit for two values was sufficient. See further discussion on RP-020235.

Decision: The CRs were **withdrawn**.

RP-020216 SFN offset in IE 10.3.7.106 'UE positioning OTDOA neighbour cell info' (Nokia)

Antti Toskala (Nokia) presented this document.

Discussion: The related CR was for R'99 in RP-020217.

Decision: The document was noted.

RP-020235 R99 Terminal Testing and Interim Marker (Nokia)

Antti Toskala (Nokia) presented this document.

Discussion: The document made it clearer how the interim marker was intended to be used, i.e. the marker would allow the network to separate different UEs based on which phase of R'99 testing they had completed. Also the document clarified that there could be basically three phases depending on the RRC ASN.1 implementation of the marker, depending whether the "interim" value was sent of not or only the value "final". The document also pointed out why adding signalling only when problems occur would not be necessarily a desired solution due to the impacts on also correctly working UEs. It was commented that any use of a marker should rest within TSG-RAN and not refer to TSG-T. It was commented that this was only one solution for a problem that was not clear yet, and that there were other solutions as had been discussed in TSG-RAN #14 (Kyoto). Also the assertion that this would happen frequently seemed unrealistic based on experience with earlier systems. There was already something (ICS) in the current standards, but it was pointed out that this was something various people had not been happy with and there had been LSs on this in the past explaining that this mechanism was not working. It was proposed to wait until problems actually occurred before taking a decision. In reaction to this it was stated that TSG-RAN should discuss what to do in principle if problems occurred, so that the infrastructure would have a mechanism in place when the first problem with a UE would be discovered, and hence to avoid having to retrofit a large number of terminals already in the field.

Decision: The document was noted. The issue should be reconsidered. Delegations were encouraged to discuss the issue and if necessary the topic would be discussed at TSG-RAN #16 based on input documents (if any).

RP-020228 Approved CR 034 (R'99) and CR 035 (Rel-4 Category A) to 25.306 and CR 1365 (R'99) and CR 1366 (Rel-4 Category A) to 25.331 (Ericsson)

Per Beming (Ericsson) presented these CRs.
Decision: The CRs were **approved**.

RP-020125 Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.306 on Clarification of Maxim number of TFC in TFCS (Panasonic)

Hidetoshi Suzuki (Panasonic) presented these CRs.
Discussion: This had been discussed in a joint session between WG1 and WG2 and the principle had been agreed. However, there was doubt that the wording was appropriate. The wording was revised online. The changes were agreed in principle.
Decision: The CRs needed to be revised. The revisions would be provided in RP-020232 as CR 036 and CR 037 and would be considered approved. A companion set of CRs to RRC was provided in RP-020233.

RP-020232 Revised CR 036 (R'99) and CR 037 (Rel-4 Category A) to TS 25.306 on Clarification of Maximum number of TFC in TFCS (Panasonic)

This document was revised by RP-020242.

RP-020242 Approved CR 036r1 (R'99) and CR 037r1 (Rel-4 Category A) to TS 25.306 on Clarification of Maximum number of TFC in TFCS (Panasonic)

Hidetoshi Suzuki (Panasonic) presented these CRs.
Decision: The CRs were **approved**.

RP-020113 Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.306 on Support of UP measurement reporting in CELL_PCH/URA_PCH (Nortel Networks)

Denis Fauconnier (Nortel Networks) presented these CRs.
Discussion: There was a request to change the wording in the CR.
Decision: The CRs needed to be revised, and needed to be numbered. The revisions would be provided in RP-020237 as CR 038 and CR 039.

RP-020237 Approved CR 038 (R'99) and CR 039 (Rel-4 Category A) to TS 25.306 on Support of UP measurement reporting in CELL_PCH/URA_PCH (Nortel Networks)

Denis Fauconnier (Nortel Networks) presented these CRs.
Decision: The CRs were **approved**.

RP-020239 Approved CR 1252r2 (R'99) and CR 1253r1 (Rel-4 Category A) to TS 25.331 (Nokia)

Jussi Numminen (Nokia) presented these CRs.
Decision: The CRs were **approved**.

RP-020132 Withdrawn CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.331 on Clarification to physical channel establishment criteria (Nokia)

These CRs were **withdrawn**.

RP-020205 Approved CR 1282r5 (R'99) and CR 1283r1 (Rel-4 Category A) to 25.331 on Security corrections (Alcatel, Ericsson, Motorola, Nortel Networks)

Denis Fauconnier (Nortel Networks) presented these CRs.
Decision: The CRs were **approved**.

RP-020219 Withdrawn CR 1330r2 (R'99) to TS 25.331 on Clarification to physical channel establishment criteria (Nokia)

This CR (which should be regarded as revision 'r4') was **withdrawn**.

RP-020224 Revised CR 1330r5 (R'99) to TS 25.331 on Clarification to physical channel establishment criteria (Nokia)

Jussi Numminen (Nokia) presented these CRs.
Discussion: This CR was a different revision than the 'r2' that was circulated on the WG2 reflector. An error was found in the ASN.1 that would be corrected. This CR should be regarded as revision 'r5'.
Decision: With this correction the CR was approved. A shadow CR needed to be produced. CR 1330r5 was provided in RP-020248 and CR 1331r1 was provided in RP-020250.

RP-020248 Approved CR 1330r6 (R'99) to TS 25.331 on Clarification to physical channel establishment criteria (Nokia)

RP-020250 Approved CR 1331r1 (Rel-4 Category A) to TS 25.331 on Clarification to physical channel establishment criteria (Nokia)

Jussi Numminen (Nokia) presented these CRs.
Decision: The CRs were **approved**.

RP-020217 Revised CR 1332r3 (R'99) to TS 25.331 on OTDOA assistance data (Nokia)

Antti Toskala (Nokia) presented this CR.
Discussion: The isolated impact statement needed to be made more precise. The value needed to be checked for correctness. The principle to have a value indicating invalid measurements was agreed.
Decision: The CR needed to be revised and a shadow CR produced. CR 1332r4 was provided in RP-020247 and CR 1333r1 was provided in RP-020249.

RP-020247 Approved CR 1332r4 (R'99) to TS 25.331 on OTDOA assistance data (Nokia)

RP-020249 Approved CR 1333r1 (Rel-4 Category A) to TS 25.331 on OTDOA assistance data (Nokia)

Jussi Numminen (Nokia) presented these CRs.
Decision: The CRs were **approved**.

RP-020233 Approved CR 1367 (R'99) and CR 1368 (Rel-4 Category A) to TS 25.331 on Clarification of Maximum number of TFC in TFCS (Panasonic)

Hidetoshi Suzuki (Panasonic) presented these CRs.
Decision: The CRs were **approved**.

RP-020114 Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.331 on Support of UP measurement reporting in CELL_PCH/URA_PCH (Nortel Networks)

Denis Fauconnier (Nortel Networks) presented these CRs.
Discussion: There was a request to change the wording in the CR.
Decision: The CRs needed to be revised, and needed to be numbered. The revisions would be provided in RP-020238 as CR 1369 and CR 1370.

RP-020238 Approved CR 1369 (R'99) and CR 1370 (Rel-4 Category A) to TS 25.331 on Support of UP measurement reporting in CELL_PCH/URA_PCH (Nortel Networks)

Denis Fauconnier (Nortel Networks) presented these CRs.
Decision: The CRs were **approved**.

RP-020215 Withdrawn CR xxx (R'99) to TS 25.331 on UE positioning requirements (Nokia)
Decision: The CRs were **withdrawn** as a result of the discussion on RP-020113 and RP-020114.

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

CRs from TSG-RAN WG2

Tdoc	Related spec.	Title	Result
RP-020062	25.303	Agreed CRs	approved
RP-020063	25.304	Agreed CRs	approved
RP-020064	25.305	Agreed CRs (1)	withdrawn
RP-020065	25.305	Agreed CRs (2)	approved
RP-020066	25.305	Agreed CRs (3)	withdrawn
RP-020228	25.306	Approved CR 034 (R'99) and CR 035 (Rel-4 Category A) to 25.306	approved
RP-020125	25.306	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to 25.306	Revised by RP-020232
RP-020232	25.306	Revised CR 036 (R'99) and CR 037 (Rel-4 Category A) to 25.306 on Clarification of Maximum number of TFC in TFCS	Revised by RP-020242
RP-020242	25.306	Approved CR 036r1 (R'99) and CR 037r1 (Rel-4 Category A) to 25.306 on Clarification of Maximum number of TFC in TFCS	approved
RP-020113	25.306	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to 25.306 on Support of UP measurement reporting in CELL_PCH/URA_PCH	Revised by RP-020237
RP-020237	25.306	Approved CR 038 (R'99) and CR 039 (Rel-4 Category A) to 25.306 on Support of UP measurement reporting in CELL_PCH/URA_PCH	approved
RP-020067	25.321	Agreed CRs	approved
RP-020068	25.322	Agreed CRs	approved
RP-020069	25.323	Agreed CRs	approved
RP-020070	25.331	Agreed CRs (1)	approved
RP-020071	25.331	Agreed CRs (2)	approved 1)
RP-020072	25.331	Agreed CRs (3)	approved
RP-020073	25.331	Agreed CRs (4)	approved 2) 3)
RP-020074	25.331	Agreed CRs (5)	approved 4)
RP-020210	25.331	Agreed CRs (6)	approved
RP-020239	25.331	Approved CR 1252r2 (R'99) and CR 1253r1 (Rel-4 Category A)	approved
RP-020205	25.331	Approved CR 1282r5 (R'99) and CR 1283r1 (Rel-4 Category A) to 25.331 on Security corrections	approved
RP-020132	25.331	Withdrawn CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to 25.331 on Clarification to physical channel establishment criteria	withdrawn
RP-020219	25.331	Withdrawn CR 1330r4 (R'99) to 25.331 on Clarification to physical channel establishment criteria	withdrawn
RP-020224	25.331	Revised CR 1330r5 (R'99) to 25.331 on Clarification to physical channel establishment criteria	Revised by RP-020248
RP-020248	25.331	Approved CR 1330r6 (R'99) to 25.331 on Clarification to physical channel establishment criteria	approved
RP-020250	25.331	Approved CR 1331r1 (Rel-4 Category A) to 25.331 on Clarification to physical channel establishment criteria	approved
RP-020217	25.331	Revised CR 1332r3 (R'99) to 25.331 on OTDOA assistance data	Revised by RP-020247
RP-020247	25.331	Approved CR 1332r4 (R'99) to 25.331 on OTDOA assistance data	approved
RP-020249	25.331	Approved CR 1333r1 (Rel-4 Category A) to	approved

Tdoc	Related spec.	Title	Result
		25.331 on OTDOA assistance data	
RP-020228	25.331	Approved CR 1365 (R'99) and CR 1366 (Rel-4 Category A) to 25.331	approved
RP-020233	25.331	Approved CR 1367 (R'99) and CR 1368 (Rel-4 Category A) to 25.331 on Clarification of Maximum number of TFC in TFCS	approved
RP-020114	25.331	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to 25.331 on Support of UP measurement reporting in CELL_PCH/URA_PCH	Revised by RP-020238
RP-020238	25.331	Approved CR 1369 (R'99) and CR 1370 (Rel-4 Category A) to 25.331 on Support of UP measurement reporting in CELL_PCH/URA_PCH	approved
RP-020215	25.331	Withdrawn CR xxx (R'99) to TS 25.331 on UE positioning requirements	withdrawn
RP-020075	25.921	Agreed CRs	approved
RP-020076	25.922	Agreed CRs	approved
RP-020077	34.109	Agreed CRs	approved

1) CR 1252 and CR 1253 were **revised**. The revised versions would be provided in RP-020239.
2) CR 1332 and CR 1333 were **revised**. The revised versions (based on RP-020217) were provided in RP-020247 (R'99) and RP-020249 (Rel-4).
3) It might be that in addition to CR 1357 and CR 1358 more changes were needed. This would be taken into account during the next WG2 meeting if contributions were made available.
4) CR 1282 and CR 1283 were **revised**. The revised versions were provided in RP-020205.

7.2.4 Approval of CRs (Rel-4) from TSG-RAN WG2

CRs from TSG-RAN WG2

Tdoc	Related spec.	Title	Result
RP-020079	25.302	Agreed CRs	approved
RP-020080	25.305	Agreed CRs	approved
RP-020081	25.306	Agreed CRs	withdrawn 1)
RP-020082	25.331	Agreed CRs	approved 2)

1) CR 033 was **withdrawn**. It was decided that a R'99 CR was needed also. Therefore, a new CR 034 and CR 035 would be provided in RP-020228 (see agenda item 7.2.2/7.2.3).
2) CR 1356 was **withdrawn**, based on the discussion on RP-020081/CR 033 to 25.306 (ICS). A new CR 1365 and CR 1366 would be provided in RP-020228 (see agenda item 7.2.2/7.2.3).

7.3 TSG-RAN WG3

7.3.1 Report from TSG-RAN WG3

RP-020160 Report from WG3 chairman to TSG-RAN (TSG-RAN WG3 Chairman)

RP-020161 List of agreed CRs from RAN WG3 (TSG-RAN WG3)

RP-020220 List of agreed CRs from RAN WG3 (TSG-RAN WG3)

Martin Israelsson (Chairman TSG-RAN WG3) presented this report (RP-020160) and the supplement of agreed CRs (RP-020161, revised by RP-020220).

Presentation:

- R'99 and Rel-4:
  - The number of R99 & Rel4 corrections are now decreasing.
  - 80 R'99 + Rel-4 mirror CRs;
  - Any Time Interrogation: no consensus, but technically correct CRs provided;

    - Removal of channel coding option "no coding" no consensus, but technically correct CRs provided;- 26 Rel-4 only CRs;
    - R'99 and Rel-4 occupies about 20% of meeting time.
- Rel-5:
    - IP UTRAN work finalised, but two issues to be fixed before June:
        - Protocol towards external inter-working "node";
        - Exchange of Transport Layer info for Iu CS.
    - HSDPA, with 1 MAC-d flow per transport bearer. The support of multiple MAC-d flows was proposed to be part of enhancements in a later release;
    - Most Rel-5 topics finalised.

Discussion:

- It was commented that the action on antenna tilting for which WG3 had not found time should be treated at its next meeting.
- On the SMLC-SRNC/Rel-4 UE positioning it was commented that inputs had been made available, but that WG3 had decided that it should wait for the status in WG2 to be clarified. It was clarified that WG2 and WG3 would need to work together on this topic during the next co-located meeting.
- The work on shared networks was not really the same topic as that in TSG-SA WG1. It was agreed that there was a need for a WI for this work.

Decision: The report was noted.

7.3.2 Discussions on decisions from TSG-RAN WG3

RP-020187 CRs (R'99 and Rel-4 Category A) on Removing of channel coding option "no coding" (TSG-RAN WG3)

This document did not need to be treated as it was superseded by RP-020231 (see agenda item 7).

RP-020184 CRs (R'99 and Rel-4 Category A) on Inclusion of Last Know Service Area IE group into LOCATION REPORT (TSG-RAN WG3)

These CRs were **withdrawn**.

RP-020185 CRs (Rel-4) on Inclusion of Last Know Service Area IE group into LOCATION REPORT (TSG-RAN WG3)

This document was revised by RP-020260.

RP-020260 Revised CR 434r3 (R'99) and CR 435r3 (Rel-4) to 25.413 on Inclusion of last know service area IE group into LOCATION REPORT (Siemens)

Thomas Ulrich (Siemens) presented these CRs.

Discussion: The CR numbers and revisions for the 25.305 needed to be looked at. Actually RP-020065 should be approved instead. A comment was made to change 'mobile' in the remaining CRs.

Decision: The WG3 CRs needed to be revised. The revision would be made available in RP-020262.

RP-020262 Approved CR 434r4 (R'99) and CR 435r4 (Rel-4) to 25.413 on Inclusion of last know service area IE group into LOCATION REPORT (Siemens)

Thomas Ulrich (Siemens) presented these CRs.

Decision: The CRs were **approved**.

RP-020186 CRs (Rel-5) on Inclusion of Last Know Service Area IE group into LOCATION REPORT (TSG-RAN WG3)

These CRs were **withdrawn**.

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

CRs from TSG-RAN WG3

Tdoc	Related spec.	Title	Result
RP-020162	25.401	Agreed CRs	revised by RP-020221
RP-020221	25.401	Agreed CRs	approved
RP-020163	25.402	Agreed CRs	approved
RP-020164	25.413	Agreed CRs	approved
RP-020260	25.413	Revised CR 434r3 (R'99) and CR 435r3 (Rel-4) to 25413 on Inclusion of last know service area IE group into LOCATION REPORT	revised by RP-020262
RP-020262	25.413	Approved CR 434r4 (R'99) and CR 435r4 (Rel-4) to 25413 on Inclusion of last know service area IE group into LOCATION REPORT	approved
RP-020165	25.414	Agreed CRs	approved
RP-020166	25.415	Agreed CRs	approved
RP-020167	25.419	Agreed CRs	approved
RP-020168	25.420	Agreed CRs	approved
RP-020169	25.423	Agreed CRs (1)	approved
RP-020170	25.423	Agreed CRs (2)	withdrawn
RP-020171	25.424	Agreed CRs	approved 1)
RP-020172	25.425	Agreed CRs	approved
RP-020173	25.426	Agreed CRs	approved
RP-020174	25.433	Agreed CRs	approved
RP-020175	25.434	Agreed CRs	approved 2)
RP-020176	25.435	Agreed CRs	Revised by RP-020223
RP-020223	25.435	Agreed CRs	approved
RP-020177	25.931	Agreed Rs	approved

1) It was explained that the first pair of CRs contained alignments, the second pair of CRs contained corrections, and the third pair of CRs was the combined result of alignment and correction. Therefore, the first four CRs were **withdrawn** and only CR 018 and CR 019 were **approved**.
2) It was explained that the first pair of CRs contained alignments, the second pair of CRs contained corrections, and the third pair of CRs was the combined result of alignment and correction. Therefore, the first four CRs were **withdrawn** and only CR 019 and CR 020 were **approved**.

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

CRs from TSG-RAN WG3

Tdoc	Related spec.	Title	Result
RP-020178	25.401	Agreed CRs	withdrawn
RP-020179	25.413	Agreed CRs	approved
RP-020180	25.415	Agreed CRs	approved
RP-020181	25.423	Agreed CRs	approved
RP-020182	25.433	Agreed CRs	approved
RP-020183	25.935	Agreed CRs	approved

7.4 TSG-RAN WG4

7.4.1 Report from TSG-RAN WG4

RP-020013 Status Report WG4 (TSG-RAN WG4 (Chairman)

RP-020222 TSG-RAN WG4 Status Presentation (TSG-RAN WG4)
Howard Benn (Chairman TSG-RAN WG4) presented this report.
Presentation:
- General:
  - There will be two WG meetings before the next plenary.

- R'99:
  - Highest number of documents ever (522 Tdocs);
  - 54 CRs for essential correction were agreed;
  - No clarifications were accepted for R'99 (or Rel-4).
- Rel-4:
  - 75 CRs were agreed (54 Category A);
  - It was proposed to reopen the Rel-4 SI on antenna efficiency test methods.
- Rel-5:
  - 56 CRs were agreed for Release 5 specifications (33 Category A);
  - FDD base station classification not for Rel-5;
  - TDD/1.28 Mcps TDD BS classicification almost finished, CRs not yet agreed; proposed to be kept in Rel-5;
  - HSDPA on schedule for completion in June;
  - Work on WIs for other WGs completed;
  - Rel-6 WI proposed as result of SI "Mitigating the Effect of CPICH Interference at the UE";
  - SIs "WDS" and "ongoing.

Discussion:
- The "reopening" of the SI on antenna efficieny test methods in practice should formally be the start of a new SI as the former one had been closed by TSG-RAN. Therefore, a new SI sheet should be generated. Since WG4 proposed it, there was no problem for supporting companies in this case.

Decision: The report was noted.

7.4.2 Discussions on decisions from TSG-RAN WG4

RP-020116 UTRAN measurements test descriptions (Nokia)
Antti Toskala (Nokia) presented this document.
Discussion: It was asked whether changes would be viewed as R'99 or Rel-5/6 changes. This was not addressed in this contribution. The sentence "Tests provide additional information to how the requirements should be interpreted for the purpose of conformance testing" caused concern. This wording was ambiguous as it suggested that core specifications could be (left) ambiguous. However, there was no disagreement on the creation of the informative annex. It was not intended to move any existing text, only to add additional text on tests.
Decision: The document was noted. The proposal to create an annex in TS 25.141 including test descriptions was endorsed. The wording in this proposal on the use of this annex for interpretation of the core requirements should not be used in this annex; WG4 should not use this Annex for "interpretation of core requirements".

RP-020115 Approved CR 195r2 (R'99), CR 196r2 (Rel-4 Category A) and CR 197r2 (Rel-5 Category A) to TS 25.141 on TBDs on test tolerances (Ericsson, Nokia, Nortel Networks)
Decision: The CRs were **approved**.

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

CRs from TSG-RAN WG4

Tdoc	Related spec.	Title	Result
RP-020014	25.101	Agreed CRs	approved
RP-020015	25.102	Agreed CRs	approved
RP-020016	25.104	Agreed CRs	approved
RP-020017	25.105	Agreed CRs	approved
RP-020018	25.123	Agreed CRs (1)	approved
RP-020019	25.123	Agreed CRs (2)	approved
RP-020020	25.133	Agreed CRs (1)	approved
RP-020021	25.133	Agreed CRs (2)	approved

Tdoc	Related spec.	Title	Result
RP-020022	25.133	Agreed CRs (3)	approved
RP-020023	25.141	Agreed CRs (1)	approved
RP-020024	25.141	Agreed CRs (2)	approved 1)
RP-020115	25.141	Approved CR 195r2 (R'99), CR 196r2 (Rel-4) and CR 197r2 (Rel-5)	approved
RP-020025	25.142	Agreed CRs	approved

1) CRs 195, 196 and 197 were **revised**. The revisions were provided in RP-020115.

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

CRs from TSG-RAN WG4

Tdoc	Related spec.	Title	Result
RP-020026	25.102	Agreed CRs	approved
RP-020027	25.105	Agreed CRs	approved
RP-020028	25.123	Agreed CRs	approved
RP-020029	25.141	Agreed CRs	approved
RP-020030	25.142	Agreed CRs	approved
RP-020031	25.143	Agreed CRs	approved

7.5 ITU-R Ad Hoc

RP-020111 Update reminder for the OPs on the compliance with ITU-R procedures as it relates to the completion of Revision of Recommendation ITU-R M.1457 (ITU-R Ad Hoc)

Marc Grant (on behalf of the ITU-R Ad Hoc contact person) presented this document.
Decision: The document was approved. Francois Courau (Chairman) would forward this document to the PCG.

RP-020243 LS (ITU-R Working Party HF) on Schedule for updating Recommendation ITU-R M.1457 to Revision 3 (ITU-R)

Marc Grant (Cingular) presented this LS.
Discussion: This was not a version of the LS that had officially come from ITU yet, but it was better to provide ITU with the requested information on dates. The PCG might want to have a look at this.
Decision: The LS was noted. The ITU-R Ad Hoc Group was be tasked to discuss the issue during the two weeks after TSG-RAN and would circulate a proposal on the e-mail exploder for approval within the week after that. Francois Courau (Chairman) would send the ensuing approved proposal for approval to PCG.

8 Joint session with TSG-T on testing issues

The intention of this joint meeting was to get a status overview: see where TSG-RAN and TSG-T stood and see what was needed or could be improved. Document numbers below refer to either TSG-RAN (RP-02xxxx) or TSG-T (TP-02xxxx) documents.

TP-020035 TSG-T1 Conformance Test Specifications Status Report to T#15 in Korea (TSG-T WG1 Chairman)

Bjarke Nielsen (TSG-T WG1 Chairman) presented slide 16 of this presentation.
Discussion: The presentation was used to explain that providing the TTCN for a certain version was a long process that took up to (at least initially) seven months to complete, and that therefore it was not possible to follow the general process in 3GPP of a new version every three months.
Decision: The document was noted. See decision on TP-020069.

RP-020043/TP-020055 (T1-020187, to TSG-T; copy TSG-RAN) LS on Unlocking of current Prose/TTCN from R'99, version June '01 (TSG-T WG1)
This LS had already been presented in both TSG-RAN and TSG-T.

TP-020069 Clarification and proposal on Unlocking of current Prose/TTCN from rel'99, version June'01 (Orange)
Jonathan Castro (Orange) presented this document.
Discussion: There were concerns about the proposal to postpone the decision of which version to use. When it had been decided to 'freeze' the test specification, the intention had been to keep generating CRs for new versions, but keep them on hold and review the decision every TSG-T. However, in practice no CRs had been brought, and it was feared that postponing the decision would continue this trend.
On the issue of which version to use, it was proposed that TSG-RAN could assist TSG-T WG1 by reviewing the test specifications. It was commented that not all CRs that had been agreed on the TSG-RAN specifications would affect TTCN, but all of them were essential corrections and needed to be looked at. All CRs after March 2002 would also need to be implemented and the test specifications would always need to be aligned to the latest version. Tests would be useless if they were not to the latest specification. The problem with this was that it took seven months to provide the TTCN as explained in TP-020035. It was explained that in TSG-RAN there was consensus that companies proposing CRs to TSG-RAN specifications should also review the need for the relevant CRs in the TSG-T specifications and provide those CRs. The incompatibilities that had been identified were not due to ASN.1, but to changes in procedure, with isolated impact, mainly on security, UE positioning and inter-RAT handovers. The issue of TTCN implementation should be decoupled from the principle that the test specifications should follow the latest version of the core specifications. It was foreseen that the numbers of CRs for R'99 would decrease, but it was impossible to state how many more CRs would be needed.
It was explained that the problem of a 'moving target' for the production of test equipment (a concern raised by TSG-T WG1) was only a real problem if many of the 107 test cases that TSG-T WG1 was working on mostly were affected by CRs after March 2002. It was not expected that this was the case, although it could not be ruled out that there would be changes. However Motorola and Nortel stated that they have examined the real impact of the evolution agreed by TSG-RAN on the test specifications. This exercise led the two companies to conclude that there were very few instances of TSG-RAN CRs on ASN.1 notation (which seems to involve the longest process to be incorporated in the test specifications) but more at the procedural level. This makes it credible that there will be less impact on the specifications for which TSG-T is first responsible.
Decision: The document was noted. It was decided to use the March 2002 version of the core specifications for now, but future CRs to the core specifications needed to be taken into account in the tests. However, this also meant that any changes after the March 2002 version should be scrutinised by the proponents not only for their impact on TSG-RAN specifications, but also for their impact on the test specifications and this should be checked by the TSG-RAN WGs.

9 Release 5 and beyond

General

RP-020097 Work plan (MCC)
Alain Sultan (MCC) presented this document.
Discussion: The document was for information.
Decision: The document was noted.

RP-020098 MCC review of the Work Plan (MCC)
Alain Sultan (MCC) presented this document.
Discussion: The document was for information. Some Rel-6 WIs seemed to be missing.
Decision: The document was noted.

RP-020009 Work Item sheets - Latest situation (Secretary)

RP-020010 Historic Work Item sheets (Secretary)
The documents were for information.

RP-020011 Study Item sheets - Latest situation (Secretary)

RP-020012 Historic Study Item sheets (Secretary)
The documents were for information.

RP-020226 Approved "CR" to out-of-date Work Item sheets (Secretary)
Hans van der Veen (Secretary) presented this document.
Decision: The document was noted. The proposed changes were **approved**. It was decided that for all approved WI and SI sheets (including those approved in future), the supporting companies would be changed to "TSG-RAN", as had already been done for all those approved prior to and including the TSG-RAN #9 meeting in Oahu (HI, USA).

RP-020227 Approved "CR" to out-of-date Study Item sheets (Secretary)
Hans van der Veen (Secretary) presented this document.
Decision: The document was noted. The proposed changes were **approved**.

9.1 Rel-5 CRs for finished Work Items

9.1.1 Rel-5 CRs for Work Items of earlier releases

CRs for Work Item "Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing"

Tdoc	Related WG	Title	Result
RP-020032	WG4	Agreed CRs	approved

CRs for Work Item "UTRA FDD Repeater Specification"

Tdoc	Related WG	Title	Result
RP-020033	WG4	Agreed CRs	approved

9.1.2 UMTS 1800

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020034	WG4	Agreed CRs	approved

9.1.3 UMTS 1900

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020035	WG4	Agreed CRs	approved

9.1.4 Beamforming requirements for UE

There was no input for this agenda item.

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

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020211	WG3	Agreed CRs	approved

9.2 Radio Interface Improvement Feature

9.2.1 Improvement of inter-frequency and inter-system measurements

Status

RP-020133 Status report WI "Improvement of inter-frequency and inter-system measurement" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Discussion: The date would be moved to TSG-RAN #18.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.2.2 Base Station Classification

9.2.2.1 TDD Base station classification

Status

RP-020230 Status report WI "TDD Base Station Classification" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Discussion: The completion date would be moved to TSG-RAN #16. It was proposed to keep this for Rel-5 though, since the work was almost finished.
Decision: The status report was noted. The proposal on the completion date was endorsed. Francois Courau (Chairman) would report to TSG-SA that this WI was proposed to be kept for Rel-5.

9.2.2.2 FDD Base Station Classification

Status

RP-020117 Status report WI "FDD Base Station Classification" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.

Discussion: The date would be moved to TSG-RAN #18. It was asked why there seemed to be strange names for the proposed classes. WG4 would review this. It was commented that the classes should not be viewed as needing to have the same completion date. This meant that parts could be approved separately before the whole WI was finished.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.2.2.3 Base Station Classification for 1.28 Mcps TDD

Status

RP-020118 Status report WI "Base Station Classification for 1.28 Mcps TDD option" (Rapporteur)
Meik Kottkamp (Rapporteur) presented this status report.
Discussion: The completion date would be moved to TSG-RAN #16. It was proposed to keep this for Rel-5 though, since the work was almost finished.
Decision: The status report was noted. The proposal on the completion date was endorsed. Francois Courau (Chairman) would report to TSG-SA that this WI was proposed to be kept for Rel-5.

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

Status

RP-020083 Status report WI "Improved usage of downlink resource in FDD for CCTrCHs of dedicated type" (Rapporteur)
Denis Fauconnier (Rapporteur) presented this status report.
Discussion: There was no progress, but it was a WI not due for completion for some time according to the schedule. The completion date remained the same.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.2.4 Terminal power saving features

Status

There was no need for a status report since this was a general WI.

9.2.5 Multiple Input Multiple Output antennas (MIMO)

Status

RP-020229 Status report WI "Multiple Input Multiple Output antennas (MIMO)" (Rapporteur)
Said Tatesh (Rapporteur) presented this status report.
Discussion: The completion date remained the same. It was commented that the completion date was not realistic. It was proposed to change the completion date to TSG-RAN #19.
Decision: The status report was noted. The proposal to change the completion date to TSG-RAN #19 was endorsed.

RP-020240 TR 25.876 v1.1.0 "Multiple Input Multiple Output antennas (MIMO)" (Rapporteur)
Said Tatesh (Rapporteur) presented this TR.
Discussion: There had been a strong request for information from 3GPP2. There had been a request for an e-mail exploder to be established for 3GPP-3GPP2 leaders, the status of which would be checked.
Decision: The TR was **endorsed**.

9.2.6 Enhancement on the DSCH hard split mode

Status

RP-020126 Status report WI "Enhancement on the DSCH hard split mode" (Rapporteur)
Sungho Choi (Rapporteur) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020127 TR 25.870 v2.0.0 "Enhancement on the DSCH hard split mode" (TSG-RAN WG1)
Sungho Choi (Rapporteur) presented this TR.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020054	WG1	Agreed CRs	approved
RP-020084	WG2	Agreed CRs	approved
RP-020194	WG3	Agreed CRs	approved

9.2.7 Improvement of RRM across RNS and RNS/BSS

Status

RP-020244 Status report WI "Improvement of RRM across RNS and RNS/BSS" (Rapporteur)
Antti Toskala (Rapporteur) pr esented this status report.
Discussion: There had been no progress, but this was not planned for completion in Rel-5. The proposed completion date was TSG-RAN #18.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.3 RAN Improvement Feature

9.3.1 RRM Optimisation for Iur and Iub

9.3.1.1 Radio Link Timing Adjustment

Status

RP-020138 Status report WI "Radio Link Timing Adjustment" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The WI was completed. It was commented that certain combinations might cause problems and might need to be reviewed by WG4.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020139 TR 25.878 v1.0.0 (TSG-RAN WG3)

RP-020140 TR 25.878 v2.0.0 (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.

Discussion: There was no difference between v1.0.0 and v2.0.0. There should have been a cover sheet. It was commented that a change had been made to a requirement in 25.133 by WG4 that was not captured in the TR.
Decision: The TR was **approved** as v5.0.0. The reference to 25.133 would be corrected for TSG-RAN #16.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020085	WG2	Agreed CRs	approved
RP-020196	WG3	Agreed CRs	approved

9.3.1.2 Separation of resource reservation and radio link activation

Status

RP-020141 Status report WI "Separation of resource reservation and radio link activation" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020142 TR 25.879 v1.0.0 (TSG-RAN WG3)

RP-020143 TR 25.879 v2.0.0 (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.
Discussion: There was no difference between v1.0.0 and v2.0.0. There should have been a cover sheet.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020199	WG3	Agreed CRs	approved

9.3.1.3 Iur Common Transport Channel Efficiency Optimisation

Status

RP-020150 Status report WI "Iur Common Transport Channel Efficiency Optimisation" (TSG-RAN WG3)
This document was revised by RP-020209.

RP-020209 Status report WI "Iur Common Transport Channel Efficiency Optimisation" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020197	WG3	Agreed CRs	approved

9.3.1.4 Iur Neighbouring cell reporting Efficiency Optimisation

Status

RP-020151 Status report WI "Iur Neighbouring cell reporting Efficiency Optimisation" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020152 TR 25.884 v1.0.0 (TSG-RAN WG3)

RP-020153 TR 25.884 v2.0.0 (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.
Discussion: There was no difference between v1.0.0 and v2.0.0. There should have been a cover sheet.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020192	WG3	Agreed CRs	approved

9.3.2 NodeB Synchronisation for 1.28 Mcps TDD

Status

RP-020201 Status report WI "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
Chen Dong (Siemens) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020202 TR 25.868 v1.1.0 "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
Chen Dong (Siemens) presented this TR.
Discussion: The TR was actually intended for approval. It was commented that WG3 work was not covered in the TR. A version v2.0.0 with the summary of the WG3 work needed to be provided.
Decision: A revision of the TR was needed. The revision would be provided in RP-020251.

RP-020251 TR 25.868 v2.0.0 "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
Chen Dong (Siemens) presented this TR.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020055	WG1	Agreed CRs	approved
RP-020191	WG3	Agreed CRs	approved
RP-020036	WG4	Agreed CRs	approved

9.3.3 Radio access bearer support enhancement

Status

RP-020086 Status report WI "Radio access bearer support enhancement" (Rapporteur)
Antti Toskala (Nokia) presented this status report.
Discussion: The completion date would be moved to TSG-RAN #16. It was proposed to keep this for Rel-5 though.
Decision: The status report was noted. The proposal on the completion date was endorsed. Francois Courau (Chairman) would report to TSG-SA that this WI was proposed to be kept for Rel-5.

RP-020087 TR 25.860 v1.0.0 "Radio Access Bearer Support Enhancements" (TSG-RAN WG2)
Antti Toskala (Nokia) presented this TR.
Decision: The TR was **endorsed**.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020208	WG3	Agreed CRs	postponed 1)

1) The WI was not finished and there would be CRs in WG2. The CRs needed to be approved as a whole package.

9.3.4 Re-arrangement of Iub Transport Bearers

Status

RP-020144 Status report WI "Re-arrangement of Iub transport bearers" (TSG-RAN WG3)
Woonhee Hwang (Rapporteur) presented this status report.
Discussion: The WI was completed. If it was felt necessary, the combination of SRNC to Node B direct transport bearers and Iub Bearer re-arrangement could be studied within the SI "Introduction of direct transport bearers between SRNC and Node-B".
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020145 TR 25.880 v1.0.0 (TSG-RAN WG3)

RP-020146 TR 25.880 v2.0.0 (TSG-RAN WG3)
Woonhee Hwang (Rapporteur) presented this TR.
Discussion: There was no difference between v1.0.0 and v2.0.0. There should have been a cover sheet.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020198	WG3	Agreed CRs	approved

9.3.5 Beamforming enhancements

Status

RP-020128 Status report WI "Beamforming enhancements" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.

Discussion: There had been no activity since the TSG-RAN #14 meeting. The completion date did not seem realistic, if only because WG4 had not started its work yet. Also, WG2 and WG3 were involved. Since the work was not near completion, it was felt it could not be part of Rel-5.
Decision: The status report was noted. The completion date would be changed to TSG-RAN #18.

9.3.6 Support of Site Selection Diversity Transmission in UTRAN

Status

RP-020119 Status report WI "Support of Site Selection Diversity Transmission in UTRAN" (Rapporteur)
Akihiso Shirokawa (Rapporteur) presented this status report.
Discussion: It was estimated that the overall completeness was 80%.WG4 work was not expected to be much as probably only the Qth parameter needed to be checked. It was explained that actually the requirement already existed and had been deleted for R'99, so it would not be much work to re-include it for Rel-5. Where it currently read (in List of open issues) "specify performance requirements" this should be changed to "specify performance requirement and associated functional test". The completion date would be moved to TSG-RAN #16. It was proposed to keep this for Rel-5 though, since the work was almost finished. It was agreed to try and finalise the WI for TSG-RAN #16 and Rel-5, and review the situation during TSG-RAN #16.
Decision: The status report would be revised in RP-020256. The proposal on the completion date was endorsed.

RP-020256 Status report WI "Support of Site Selection Diversity Transmission in UTRAN" (Rapporteur)
This document was revised by RP-020259.

RP-020259 Status report WI "Support of Site Selection Diversity Transmission in UTRAN" (Rapporteur)
Decision: The status report was noted. Francois Courau (Chairman) would report to TSG-SA that this WI was proposed to be kept for Rel-5.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020056	WG1	Agreed CRs	postponed 1)
RP-020213	WG3	Agreed CRs	postponed 1)

1) The result of the work in WG4 would be awaited.

9.4 Evolution of the transport in the UTRAN

9.4.1 IP transport in UTRAN

Status

RP-020135 Status report WI "IP Transport in UTRAN" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The WI was completed, except that a reference was missing and that one technical aspect still needed to be resolved. As the remaining work was only to choose one solution among the three currently internally documented, a corrective CR would be presented at the next TSG-RAN plenary.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020136 TR 25.933 v1.7.1 "IP Transport in UTRAN" (TSG-RAN WG3)
This document was withdrawn.

RP-020137 TR 25.933 v2.0.0 "IP Transport in UTRAN" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.
Discussion: There was no difference between v1.7.1 and v2.0.0. There should have been a cover sheet.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020189	WG3	Agreed CRs	approved

9.5 UE Positioning

9.5.1 UE positioning enhancements

Status

There was no status report for this, as TSG-RAN had forbidden new work until existing methods had been finished.

9.5.2 UE positioning enhancements for 1.28 Mcps TDD

Status

RP-020088 Status report WI "UE positioning enhancements for 1.28 Mcps TDD" (Rapporteur)
Chen Dong (Siemens) presented this status report.
Discussion: The WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020089 TR 25.859 v2.0.0 "UE Positioning Enhancements for 1.28 Mcps TDD" (TSG-RAN WG2) 9.5.2
This document was revised by RP-020214.

RP-020214 TR 25.859 v2.0.1 "UE Positioning Enhancements for 1.28 Mcps TDD" (TSG-RAN WG2)
Chen Dong (Siemens) presented this TR.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020057	WG1	Agreed CRs	approved
RP-020090	WG2	Agreed CRs	approved
RP-020193	WG3	Agreed CRs	approved
RP-020037	WG4	Agreed CRs	approved

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

Status

RP-020091 Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Discussion: It was asked if there was going to be one (or more) CR(s) to 25.305 (Stage 2). The answer was yes. It was proposed to discontinue the current TR and to revise the WI to delete the TR and change the completion date. The current wording should be revised to stress more the fact that the protocol needed to be done and less that the architectural split would be studied. WG2 and WG3 would need to work together on this WI.
Decision: The status report was noted. A revision of the WI sheet needed to be provided. This would be done for TSG-RAN #16.

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

Status

RP-020147 Status report WI "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 WI was completed.
Decision: The status report was noted. The WI sheet would be moved to the Historic WIs document.

RP-020148 TR 25.875 v1.1.1 "NAS node selector function" (TSG-RAN WG3)
This document was withdrawn.

RP-020149 TR 25.875 v2.0.0 "NAS node selector function" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020195	WG3	Agreed CRs	revised 1)
RP-020257	WG3	Approved CRs	approved

1) The CRs had been approved, but some of them were found to miss the revision marks. Therefore a revision was provided in RP-020257.

9.7 High Speed Downlink Packet Access (HSDPA)

Status

RP-020092 Status report WIs "HSDPA (and all other HSDPA WIs)" (Rapporteur)
Howard Benn (Rapporteur) presented this status report.
Discussion: The reference to Rel-6 referred to issues such as optimisations to mobility scenarios, FCS etc. A WI "HSDPA enhancements" was foreseen for Rel-6. The completion date would be moved to TSG-RAN #16. It was proposed to keep this for Rel-5 though. No new features were allowed, but a

period of time to allow corrections to be made was necessary. The WIs for the Physical layer, Layer 2 and 3 aspects and Iub/Iur protocol aspects were considered completed.
Decision: The status report was noted. The proposal on the completion date for the general WI "HSDPA" and the WI on RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing was endorsed. The WI sheets for the Physical layer, Layer 2 and 3 aspects and Iub/Iur protocol aspects would be moved to the Historic WIs document. Francois Courau (Chairman) would report to TSG-SA that this WI was proposed to be kept for Rel-5.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020093	WG2	Agreed CRs	approved

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

Status

See RP-020092 (agenda item 9.7).

RP-020255 TR 25.858 v2.0.0 "High Speed Downlink Packet Access: Physical Layer Aspects" (Rapporteur)
Antti Toskala (TSG-RAN WG1 Chairman) presented this TR.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020058	WG1	Agreed CRs	approved

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

Status

See RP-020092 (agenda item 9.7).

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020094	WG2	Agreed CRs	approved

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

Status

See RP-020092 (agenda item 9.7).

RP-020156 Status report WI "HSDPA - Iub/Iur protocol aspects" (TSG-RAN WG3)
This document was withdrawn.

RP-020157 TR 25.877 v1.0.0 (TSG-RAN WG3)

RP-020158 TR 25.877 v2.0.0 (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.

Discussion: There was no difference between v1.0.0 and v2.0.0. There should have been a cover sheet.
Decision: The TR was **approved** as v5.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020190	WG3	Agreed CRs	approved

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

Status

See RP-020092 (agenda item 9.7).

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020038	WG4	Agreed CRs	approved 1)

1) The meaning of HSDPA in this context (25.104 and 25.101) refers to the multilevel modulation that is to be used.

9.8 Enhancement of broadcast and introduction of Multicast Capabilities in RAN

RP-020095 Status report WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (Rapporteur)

Antti Toskala (Rapporteur) presented this status report.
Discussion: The proposed Workshop on MBMS was covered in RP-020254 (see agenda item 10.2). The completion date would be reviewed after the Workshop had been held, at TSG-RAN #16.
Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020206	WG3	Agreed CRs	withdrawn

9.9 Technical Small Enhancement and Improvements

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-020096	WG2	Agreed CRs	approved
RP-020188	WG3	Agreed CRs	approved
RP-020039	WG4	Agreed CRs	approved

9.10 Study Items:

9.10.1 Radio link performance enhancements

Status

RP-020129 Status report SI "Radio link performance enhancements" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Decision: The status report was noted.

RP-020130 TR 25.869 v1.0.0 "Tx diversity" (TSG-RAN WG1)
Sungho Choi (Samsung) presented this TR.
Discussion: It was commented that the scope was missing from the TR. This should be corrected for future versions of the TR. Clause 10 needed to be updated to include a reference on backward compatibility with Rel-5, as this would not be in an earlier release than Rel-6.
Decision: The TR was **endorsed**.

9.10.2 Fast Cell Selection (FCS) for HS-DSCH

Status

RP-020258 Status report SI "Fast Cell Selection (FCS) for HS-DSCH" (Rapporteur)
Howard Benn (Rapporteur) presented this status report.
Discussion: The proposed completion date was TSG-RAN #18.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.10.3 Mitigating the Effect of CPICH Interference at the UE

Status

RP-020120 Status report SI "Mitigating the Effect of CPICH Interference at the UE" (Rapporteur)
Shimon Moshavi (Rapporteur) presented this status report.
Discussion: The new proposed WI was available in RP-020124 (see agenda item 9.11). The SI was considered. The SI was completed.
Decision: The status report was noted.
Decision: The status report was noted. The SI sheet would be moved to the Historic SIs document.

RP-020121 TR 25.991 v2.0.0 "Feasibility Study on the Mitigation of the Effect of the Common Pilot Channel (CPICH) Interference at the User Equipment" (Rapporteur)
Shimon Moshavi (Rapporteur) presented this TR.
Decision: The TR was **approved** as v5.0.0.

9.10.4 Feasibility study on UTRA Wideband Distribution System (WDS)

Status

RP-020122 Status report SI "UTRA Wideband Distribution Systems (WDS)" (Rapporteur)
Carlo Matarasso (Rapporteur) presented this status report.
Discussion: The proposed completion date was TSG-RAN #19.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.10.5 SRNS Relocation Procedure enhancement

Status

RP-020154 Status report SI "SRNS Relocation Procedure enhancement" (TSG-RAN WG3)
Woonhee Hwang (Rapporteur) presented this status report.
Discussion: The proposed completion date was TSG-RAN #16. It was the intention to include the conclusion from the WG3-internal report in the status report for the next plenary.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.10.6 Introduction of Direct transport bearers between SRNC and Node B

Status

RP-020155 Status report SI "Introduction of Direct transport bearers between SRNC and Node B" (TSG-RAN WG3)
Martin Israelsson (Rapporteur) presented this status report.
Discussion: The The proposed completion date was TSG-RAN #16.
Decision: The status report was noted. The proposal on the completion date was endorsed.

9.10.7 Feasibility Study considering the viable deployment of UTRA in additional and diverse spectrum arrangements

Status

RP-020134 Status report SI "Feasibility Study considering the viable deployment of UTRA in additional and diverse spectrum arrangements" (Rapporteur)
Per Beming (Rapporteur) presented this status report.
Discussion: The rapporteur had changed to Thomas Unshelm.
Decision: The status report was noted. The planned completion date would remain as TSG-RAN #17.

9.10.8 Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD

Status

RP-020131 Status report SI "Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD" (Rapporteur)
Sungho Choi (Rapporteur) presented this status report.
Discussion: The proposed completion date was TSG-RAN #16. This was felt to be too optimistic. In WG1 there was not yet a version of the TR that had been agreed. There was no consensus on this, but since the current completion date was TSG-RAN #15, at least it should be moved to TSG-RAN #16. A review of the situation would take place in TSG-RAN #16 anyway.
Decision: The status report was noted. The planned completion date would be moved to TSG-RAN #16.

9.11 New Work Items

RP-020123 Status report SI "Feasibility Study of UE antenna efficiency test methods performance requirements" (Allgon)

Per Ernström (Telia) presented this status report.
Discussion: This document provided the background information to explain document RP-020253.
Decision: The status report was noted.

RP-020253 Proposed SI "UE Antenna efficiency test methods and requirements" (Telia)

Per Ernström (Telia) presented this SI sheet.
Discussion: WG4 should review the SI sheet.
Decision: The SI was **approved**. The SI sheet was **approved**, but its content needed to be reviewed by TSG-RAN WG4.

RP-020124 Proposed WI "Improving Receiver Performance Requirements for the FDD UE" (Intel Corp.)

Shimon Moshavi (Intel Corp.) presented this WI sheet.
Discussion: The WI proposal had been endorsed by TSG-RAN WG4.
Decision: The WI was **approved**. The WI sheet was **approved**.

RP-020225 Iur-g way forward in RAN (Nokia)

Woonhee Hwang (Nokia) presented this status document.
Discussion: It was proposed that the work in TSG-RAN could be "TEI5" as most of the work had apparently been done and needed to be done in TSG-GERAN. It was questioned, however, if it was the correct approach to include this in the Iur. The issue should be reviewed in TSG-RAN (WG3). It was commented that from TTA point of view, there should be no impact on the TSG-RAN specifications.
Decision: The document was noted. This issue would be handled according to the decision taken in TSG-RAN #13 (Beijing) on how to handle the relation between TSG-RAN and TSG-GERAN, as endorsed by PCG. Francois Courau (Chairman) would include in his report to TSG-RAN from the TSG-SA plenary any information on timing for completion if available.

RP-020241 Proposed WI "Iur-g" (Nokia)

Based on the discussion on RP-020225, this document was withdrawn.

RP-020246 Proposed WI "Shared Network support in connected Mode" (Ericsson)

Martin Israelsson (Ericsson) presented this WI sheet.
Discussion: There were several groups that would be involved in this. TSG-SA had already started looking at it. It was commented that TSG-RAN #16 looked unrealistic. It was explained that actually the work done in WG3 already so far meant that work was not far from completion. Work done in TSG-SA/CN was different and focused on sharing Core Network equipment. This was not considered to be part of this work item. TSG-SA WG1 had responded positively to an LS from TSG-RAN WG3 regarding requirements. The work proposed was to finish something that was already available partly in R'99 and Rel-4, i.e. the handling of UE in Idle mode for GSM and UMTS; this new part would include only the handling of the connected mode from the UTRAN perspective. A modification was proposed to include TSG-CN and TSG-SA impacts and extend the date to TSG-RAN #17. It was commented that for operators it was important to have a solution quickly and that approval of the WI was needed. It was suggested that the information could be made available to the TSG-SA and TSG-CN groups. TSG-SA WG2 should urgently review this issue and provide TSG-RAN WG3 with the information that was needed before the next TSG-RAN WG3 meeting.
Decision: The WI was **approved** with a proposed completion date of TSG-RAN #17 (with an understanding that TSG-RAN #16 should be the real target). A TSG-RAN WG3 internal TR would be

used to collect the information. Martin Israelsson (Ericsson) would be the rapporteur. With these changes, the WI sheet was **approved in principle**. Francois Courau (Chairman) would provide the information (and also ask for TSG-SA WG2 to review the issue urgently and provide information to TSG-RAN WG3 before TSG-RAN WG3's next meeting) to TSG-SA in his report from TSG-RAN.

10 Technical co-ordination among WGs

10.1 Review of status on action points allocated at the previous meeting

There was no input for this agenda item.

10.2 Other needs

CRs for TSG-GERAN Work Item "Location Services for GERAN in Iu Mode"

Tdoc	Related WG	Title	Result
RP-020207	WG3	Agreed CRs	postponed

1) The TSG-GERAN work had not been completed, so it was better to wait until it had. Also, more changes were expected. It was also asked why there were differences between the GERAN Iu and the UTRAN Iu on LCS (it had been intended to have them aligned). Francois Courau (Chairman) would highlight the existence of this CR and the question on why there were differences in his report to TSG-SA.

RP-020252 Multimedia Broadcast and Multicast Services (MBMS) way forward (Omnitel-Vodafone, Vodafone D2, Vodafone LTD, Nortel Networks, NOKIA, Siemens)

This document was revised by RP-020254.

RP-020254 Multimedia Broadcast and Multicast Services (MBMS) way forward (Omnitel-Vodafone, Vodafone D2, Vodafone LTD, Nortel Networks, Nokia, Siemens)

Andrea De Pasquale (Omnitel-Vodafone) presented this status document.

Discussion: The Workshop was open to anyone in 3GPP, although a number of groups needed to be made aware in particular of this Workshop (all TSG-RAN WGs, TSG-SA WG1, TSG-SA WG2, and TSG-GERAN). The TSG-SA Chairman would chair the Workshop. There were questions on what was the rationale behind the proposal of phasing and separating the multicast and broadcast cases. This was for further discussion.

Decision: The document was noted. Francois Courau (Chairman) would attach the document (taking into account the discussion) to the TSG-RAN report to TSG-SA.

11 Output to other groups

11.1 TSG-SA and TSG-SA WGs

There was no input for this agenda item.

11.2 TSG-T and TSG-T WGs

There was no input for this agenda item.

11.3 ITU-R

There was no input for this agenda item.

11.4 Other

There was no input for this agenda item.

12 Project management

RP-020099 CR 008 to 21.101: "Correction to list of specs" (MCC)
This document was withdrawn.

RP-020100 CR 005 to 21.102: "Correction to list of specs" (MCC)
This document was for information.
Decision: The document was noted.

RP-020101 21.103 v1.1.0 (MCC)
This document was for information.
Decision: The document was noted.

RP-020102 CR 005 to 01.01: "GSM Release 1999 specifications. (MCC)
This document was for information.
Decision: The document was noted.

RP-020103 CR 004 to 41.102: "GSM Release 4 Specifications" (MCC)
This document was for information.
Decision: The document was noted.

RP-020104 41.103 v1.1.0 (MCC)
This document was for information.
Decision: The document was noted.

RP-020105 Specs status list prior to TSGs#15 (MCC)
This document was for information.
Decision: The document was noted.

RP-020106 List of specs / releases (MCC)
This document was for information.
Decision: The document was noted.

12.1 Review of need for Release 5 versions of Specifications

WG1

All TSs currently in Rel-4 would be upgraded to Rel-5.

None of the TRs currently in Rel-4 would be upgraded to Rel-5.

WG2

The following TRs would not be upgraded:
- 25.834
- 25.843
- 25.844
- 25.847
- 25.950

The following TRs would be stopped altogether:
- 25.835
- 25.861
- 25.924

All other TSs and TRs currently in Rel-4 would be upgraded to Rel-5.

WG3

The following TRs would not be upgraded:
- 25.832
- 25.837
- 25.838
- 25.839
- 25.849
- 25.850
- 25.851
- 25.852
- 25.853
- 25.934
- 25.935
- 25.936
- 25.937
- 25.946
- 25.953
- 25.954

The following TRs would be stopped altogether:
- 25.938

All other TSs and TRs currently in Rel-4 would be upgraded to Rel-5.

WG4

The following TRs and TSs would not be upgraded:
- 25.845
- 30.504

All other TSs and TRs currently in Rel-4 would be upgraded to Rel-5.

Decision

The WG proposals presented above were **approved**.

13 Any Other Business

There was no input for this agenda item.

14 Closing of meeting

Francois Courau (Chairman) thanked the host for the facilities provided and the delegates for their patience.

For future meetings, see Annex E.

Annex A: List of delegates

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Annex B: List of documents

Doc.No.	Title	Source	Ag.It.	Comments
RP-020001	Proposed agenda	Chairman	2	
RP-020002	Draft Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001)	Secretary	3	
RP-020003	Revised draft Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001)	Secretary	3	
RP-020004	Second draft revised Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001)	Secretary	3	
RP-020005	Approved Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001)	Secretary	3	
RP-020006	(R4-020448, copy TSG-RAN) LS on UE control and monitoring functions	TSG-RAN WG4	6.3	
RP-020007	(S2-020276, copy TSG-RAN) LS on Restoration of R'96 Any Time Interrogation functionality	TSG-SA WG2	6.3	
RP-020008	(RM19(01)SA52r1, to TSG-RAN) LS on Radio matters on Receiver Performance Parameters	ETSI TC ERM	6.1	
RP-020009	Work Item sheets - Latest situation	Secretary	9	
RP-020010	Historic Work Item sheets	Secretary	9	
RP-020011	Study Item sheets - Latest situation	Secretary	9	
RP-020012	Historic Study Item sheets	Secretary	9	
RP-020013	Status Report WG4	TSG-RAN WG4 Chairman	7.4.1	
RP-020014	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.101	TSG-RAN WG4	7.4.3	
RP-020015	CRs (R'99 and Rel-4 Category A) to TS 25.102	TSG-RAN WG4	7.4.3	
RP-020016	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.104	TSG-RAN WG4	7.4.3	
RP-020017	CRs (R'99 and Rel-4 Category A) to TS 25.105	TSG-RAN WG4	7.4.3	
RP-020018	CRs (R'99 and Rel-4 Category A) to TS 25.123 (1)	TSG-RAN WG4	7.4.3	
RP-020019	CRs (R'99 and Rel-4 Category A) to TS 25.123 (2)	TSG-RAN WG4	7.4.3	
RP-020020	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (1)	TSG-RAN WG4	7.4.3	
RP-020021	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (2)	TSG-RAN WG4	7.4.3	
RP-020022	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (3)	TSG-RAN WG4	7.4.3	
RP-020023	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.141 (1)	TSG-RAN WG4	7.4.3	
RP-020024	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.141 (2)	TSG-RAN WG4	7.4.3	
RP-020025	CRs (R'99 and Rel-4 Category A) to TS 25.142	TSG-RAN WG4	7.4.3	
RP-020026	CRs (Rel-4) to TS 25.102	TSG-RAN WG4	7.4.4	
RP-020027	CRs (Rel-4) to TS 25.105	TSG-RAN WG4	7.4.4	
RP-020028	CRs (Rel-4) to TS 25.123	TSG-RAN WG4	7.4.4	
RP-020029	CRs (Rel-4 and Rel-5 Category A) to TS 25.141	TSG-RAN WG4	7.4.4	
RP-020030	CRs (Rel-4) to TS 25.142	TSG-RAN WG4	7.4.4	
RP-020031	CRs (Rel-4) to TS 25.143	TSG-RAN WG4	7.4.4	
RP-020032	CRs (Rel-5) for WI "Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing"	TSG-RAN WG4	9.1.1	
RP-020033	CRs (Rel-5) for WI "UTRA FDD Repeater Specification"	TSG-RAN WG4	9.1.1	
RP-020034	CRs (Rel-5) for WI "UMTS 1800"	TSG-RAN WG4	9.1.2	
RP-020035	CRs (Rel-5) for WI "UMTS 1900"	TSG-RAN WG4	9.1.3	
RP-020036	CRs (Rel-5) for WI "Node B Synchronisation for 1.28 Mcps TDD"	TSG-RAN WG4	9.3.2	
RP-020037	CRs (Rel-5) for WI "UE positioning enhancements for 1.28 Mcps TDD"	TSG-RAN WG4	9.5.2	
RP-020038	CRs (Rel-5) for WI "High Speed Downlink Packet Access (HSDPA) - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing"	TSG-RAN WG4	9.7.4	
RP-020039	CRs (Rel-5) for WI "Technical Enhancements and Improvements"	TSG-RAN WG4	9.9	

Doc.No.	Title	Source	Ag.It.	Comments
RP-020040	(R1-020519 and R2-020593, to TSG-RAN) LS on Special submission of CRs for feature deferral or removal	TSG-RAN WG1 and TSG-RAN WG2	6.3	RP-020159
RP-020041	(S2-020860, to TSG-RAN) Response to LS (R3-020286) on Shared network scenarios considered by TSG-RAN WG3	TSG-SA WG2	6.2	
RP-020042	(T1-020185, copy TSG-RAN) Response to LS (RP-010955, RP-010956 and R1-020193) on 34.108 updates	TSG-T WG1	6.2	
RP-020043	(T1-020187, copy TSG-RAN) LS on Unlocking of current Prose/TTCN from R'99, version June '01	TSG-T WG1	6.2	
RP-020044	Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	7.1.1	
RP-020045	Supplement (List of agreed CRs) to Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	7.1.1	
RP-020046	CRs (R'99 and Rel-4 Category A) to TS 25.211	TSG-RAN WG1	7.1.3	
RP-020047	CRs (R'99 and Rel-4 Category A) to TS 25.214	TSG-RAN WG1	7.1.3	
RP-020048	CRs (R'99 and Rel-4 Category A) to TS 25.215	TSG-RAN WG1	7.1.3	
RP-020049	CRs (R'99 and Rel-4 Category A) to TS 25.221	TSG-RAN WG1	7.1.3	
RP-020050	CRs (R'99 and Rel-4 Category A) to TS 25.222	TSG-RAN WG1	7.1.3	
RP-020051	CRs (R'99 and Rel-4 Category A) to TS 25.223	TSG-RAN WG1	7.1.3	
RP-020052	CRs (R'99 and Rel-4 Category A) to TS 25.224	TSG-RAN WG1	7.1.3	
RP-020053	CRs (Rel-4) to TS 25.214	TSG-RAN WG1	7.1.4	
RP-020054	CRs (Rel-5) for WI "Enhancement on the DSCH hard split mode"	TSG-RAN WG1	9.2.6	
RP-020055	CRs (Rel-5) for WI "Node B Synchronisation for 1.28 Mcps TDD"	TSG-RAN WG1	9.3.2	
RP-020056	CRs (Rel-5) for WI "Support of Site Selection Diversity Transmission in UTRAN"	TSG-RAN WG1	9.3.6	
RP-020057	CRs (Rel-5) for WI "UE positioning enhancements for 1.28 Mcps TDD"	TSG-RAN WG1	9.5.2	
RP-020058	CRs (Rel-5) for WI "High Speed Downlink Packet Access (HSDPA) - Physical Layer"	TSG-RAN WG1	9.7.1	
RP-020059	CRs (R'99 and Rel-4 Category A) on feature "no coding"	TSG-RAN WG1	7.1.2	
RP-020060	Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	7.2.1	
RP-020061	Supplement (List of all agreed CRs and all technically endorsed CRs) to Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	7.2.1	
RP-020062	CRs (R'99 and Rel-4 Category A) to TS 25.303	TSG-RAN WG2	7.2.3	
RP-020063	CRs (R'99 and Rel-4 Category A) to TS 25.304	TSG-RAN WG2	7.2.3	
RP-020064	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.305 (1)	TSG-RAN WG2	7.2.3	
RP-020065	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.305 (2)	TSG-RAN WG2	7.2.3	
RP-020066	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.305 (3)	TSG-RAN WG2	7.2.3	
RP-020067	CRs (R'99 and Rel-4 Category A) to TS 25.321	TSG-RAN WG2	7.2.3	
RP-020068	CRs (R'99 and Rel-4 Category A) to TS 25.322	TSG-RAN WG2	7.2.3	
RP-020069	CRs (R'99 and Rel-4 Category A) to TS 25.323	TSG-RAN WG2	7.2.3	
RP-020070	CRs (R'99 and Rel-4 Category A) to TS 25.331 (1)	TSG-RAN WG2	7.2.3	
RP-020071	CRs (R'99 and Rel-4 Category A) to TS 25.331 (2)	TSG-RAN WG2	7.2.3	
RP-020072	CRs (R'99 and Rel-4 Category A) to TS 25.331 (3)	TSG-RAN WG2	7.2.3	
RP-020073	CRs (R'99 and Rel-4 Category A) to TS 25.331 (4)	TSG-RAN WG2	7.2.3	
RP-020074	CRs (R'99 and Rel-4 Category A) to TS 25.331 (5)	TSG-RAN WG2	7.2.3	
RP-020075	CRs (R'99 and Rel-4 Category A) to TR 25.921	TSG-RAN WG2	7.2.3	
RP-020076	CRs (R'99 and Rel-4 Category A) to TR 25.922	TSG-RAN WG2	7.2.3	
RP-020077	CRs (R'99 and Rel-4 Category A) to TS 34.109	TSG-RAN WG2	7.2.3	
RP-020078	Technically endorsed CRs (R'99 and Rel-4 Category A) on Introduction of test marker	Ericsson	7.2.2	
RP-020079	CRs (Rel-4) to TS 25.302	TSG-RAN WG2	7.2.4	
RP-020080	CRs (Rel-4 and Rel-5 Category A) to TS 25.305	TSG-RAN WG2	7.2.4	
RP-020081	CRs (Rel-4) to TS 25.306	TSG-RAN WG2	7.2.4	
RP-020082	CRs (Rel-4) to TS 25.331	TSG-RAN WG2	7.2.4	

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RP-020083	Status report WI "Improved usage of downlink resource in FDD for CCTrCHs of dedicated type"	Rapporteur	9.2.3	
RP-020084	CRs (Rel-5) for WI "Enhancement on the DSCH hard split mode"	TSG-RAN WG2	9.2.6	
RP-020085	CRs (Rel-5) for WI "RL Timing Adjustment"	TSG-RAN WG2	9.3.1.1	
RP-020086	Status report WI "Radio access bearer support enhancement"	Rapporteur	9.3.3	
RP-020087	TR 25.860 v1.0.0 "Radio Access Bearer Support Enhancements"	TSG-RAN WG2	9.3.3	
RP-020088	Status report WI "UE positioning enhancements for 1.28 Mcps TDD"	Rapporteur	9.5.2	
RP-020089	TR 25.859 v2.0.0 "UE Positioning Enhancements for 1.28 Mcps TDD"	TSG-RAN WG2	9.5.2	RP-020214
RP-020090	CRs (Rel-5) for WI "UE positioning enhancements for 1.28 Mcps TDD"	TSG-RAN WG2	9.5.2	
RP-020091	Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods"	Rapporteur	9.5.3	
RP-020092	Status report WIs "HSDPA (and all other HSDPA WIs)"	Rapporteur	9.7	
RP-020093	CRs (Rel-5) for WI "High Speed Downlink Packet Access (HSDPA)"	TSG-RAN WG2	9.7	
RP-020094	CRs (Rel-5) for WI "High Speed Downlink Packet Access (HSDPA) - Layer 2 and 3 aspects"	TSG-RAN WG2	9.7.2	
RP-020095	Status report WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	Rapporteur	9.8	
RP-020096	CRs (Rel-5) for WI "Technical Enhancements and Improvements"	TSG-RAN WG2	9.9	
RP-020097	Work plan	MCC	9	
RP-020098	MCC review of the Work Plan	MCC	9	
RP-020099	CR 008 to 21.101: "Correction to list of specs"	MCC	12	withdrawn
RP-020100	CR 005 to 21.102: "Correction to list of specs"	MCC	12	
RP-020101	21.103 v1.1.0	MCC	12	
RP-020102	CR 005 to 01.01: "GSM Release 1999 specifications.	MCC	12	
RP-020103	CR 004 to 41.102: "GSM Release 4 Specifications"	MCC	12	
RP-020104	41.103 v1.1.0	MCC	12	
RP-020105	Specs status list prior to TSGs#15	MCC	12	
RP-020106	List of specs / releases	MCC	12	
RP-020107	(S4-020227, copy TSG-RAN) LS on WCDMA reference bearers for streaming	TSG-SA WG4	6.2	
RP-020108	(ITU-T LS13-35, to TSG-RAN) LS on AAL Type 2 Resource Management	ITU-T	6.1	
RP-020109	(ITU-T LS13-36, to TSG-RAN) LS on Comments on ITU-T Study Group 11 liaison on "Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP QoS classes"	ITU-T	6.1	
RP-020110	(ITU-T LS13-38, to TSG-RAN) LS on Generic QoS Service Requirements	ITU-T	6.1	
RP-020111	Update reminder for the OPs on the compliance with ITU-R procedures as it relates to the completion of Revision of Recommendation ITU-R M.1457	ITU-R Ad Hoc	7.5	
RP-020112	Closed loop transmit diversity status in R'99	Motorola	7	withdrawn
RP-020113	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.306 on Support of UP measurement reporting in CELL_PCH/URA_PCH	Nortel Networks	7.2.2	
RP-020114	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.331 on Support of UP measurement reporting in CELL_PCH/URA_PCH	Nortel Networks	7.2.2	
RP-020115	Approved CR 195r2 (R'99), CR 196r2 (Rel-4 Category A) and CR 197r2 (Rel-5 Category A) to TS 25.141 on TBDs on test tolerances	Ericsson, Nokia, Nortel Networks	7.4.2	
RP-020116	UTRAN measurements test descriptions	Nokia	7.4.2	
RP-020117	Status report WI "FDD Base Station Classification"	Rapporteur	9.2.2.2	
RP-020118	Status report WI "Base Station Classification for 1.28 Mcps TDD option"	Rapporteur	9.2.2.3	
RP-020119	Status report WI "Support of Site Selection Diversity Transmission in UTRAN"	Rapporteur	9.3.6	RP-020256

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RP-020120	Status report SI "Mitigating the Effect of CPICH Interference at the UE"	Rapporteur	9.10.3	
RP-020121	TR 25.991 v2.0.0 "Feasibility Study on the Mitigation of the Effect of the Common Pilot Channel (CPICH) Interference at the User Equipment"	Rapporteur	9.10.3	
RP-020122	Status report SI "UTRA Wideband Distribution Systems (WDS)"	Rapporteur	9.10.4	
RP-020123	Status report SI "Feasibility Study of UE antenna efficiency test methods performance requirements"	Allgon	9.11	
RP-020124	Proposed WI "Improving Receiver Performance Requirements for the FDD UE"	Intel Corp.	9.11	
RP-020125	Revised CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.306 on Clarification of Maxim number of TFC in TFCS	Panasonic	7.2.2	
RP-020126	Status report WI "Enhancement on the DSCH hard split mode"	Rapporteur	9.2.6	
RP-020127	TR 25.870 v2.0.0 "Enhancement on the DSCH hard split mode"	TSG-RAN WG1	9.2.6	
RP-020128	Status report WI "Beamforming enhancements"	Rapporteur	9.3.5	
RP-020129	Status report SI "Radio link performance enhancements"	Rapporteur	9.10.1	
RP-020130	TR 25.869 v1.0.0 "Tx diversity"	TSG-RAN WG1	9.10.1	
RP-020131	Status report SI "Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD"	Rapporteur	9.10.8	
RP-020132	Withdrawn CR xxx (R'99) and CR xxx+1 (Rel-4 Category A) to TS 25.331 on Clarification to physical channel establishment criteria	Nokia	7.2.2	withdrawn
RP-020133	Status report WI "Improvement of inter-frequency and inter-system measurement"	Rapporteur	9.2.1	
RP-020134	Status report SI "Feasibility Study considering the viable deployment of UTRA in additional and diverse spectrum arrangements"	Rapporteur	9.10.7	
RP-020135	Status report WI "IP Transport in UTRAN"	TSG-RAN WG3	9.4.1	
RP-020136	TR 25.933 v1.7.1 "IP Transport in UTRAN"	TSG-RAN WG3	9.4.1	withdrawn
RP-020137	TR 25.933 v2.0.0 "IP Transport in UTRAN"	TSG-RAN WG3	9.4.1	
RP-020138	Status report WI "Radio Link Timing Adjustment"	TSG-RAN WG3	9.3.1.1	
RP-020139	TR 25.878 v1.0.0	TSG-RAN WG3	9.3.1.1	
RP-020140	TR 25.878 v2.0.0	TSG-RAN WG3	9.3.1.1	
RP-020141	Status report WI "Separation of resource reservation and radio link activation"	TSG-RAN WG3	9.3.1.2	
RP-020142	TR 25.879 v1.0.0	TSG-RAN WG3	9.3.1.2	
RP-020143	TR 25.879 v2.0.0	TSG-RAN WG3	9.3.1.2	
RP-020144	Status report WI "Re-arrangement of Iub transport bearers"	TSG-RAN WG3	9.3.4	
RP-020145	TR 25.880 v1.0.0	TSG-RAN WG3	9.3.4	
RP-020146	TR 25.880 v2.0.0	TSG-RAN WG3	9.3.4	
RP-020147	Status report WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes"	TSG-RAN WG3	9.6	
RP-020148	TR 25.875 v1.1.1 "NAS node selector function"	TSG-RAN WG3	9.6	withdrawn
RP-020149	TR 25.875 v2.0.0 "NAS node selector function"	TSG-RAN WG3	9.6	
RP-020150	Status report WI "Iur Common Transport Channel Efficiency Optimisation"	TSG-RAN WG3	9.3.1.3	RP-020209
RP-020151	Status report WI "Iur Neighbouring cell reporting Efficiency Optimisation"	TSG-RAN WG3	9.3.1.4	
RP-020152	TR 25.884 v1.0.0	TSG-RAN WG3	9.3.1.4	
RP-020153	TR 25.884 v2.0.0	TSG-RAN WG3	9.3.1.4	
RP-020154	Status report SI "SRNS Relocation Procedure enhancement"	TSG-RAN WG3	9.10.5	
RP-020155	Status report SI "Introduction of Direct transport bearers between SRNC and Node B"	TSG-RAN WG3	9.10.6	
RP-020156	Status report WI "HSDPA - Iub/Iur protocol aspects"	TSG-RAN WG3	9.7.3	withdrawn
RP-020157	TR 25.877 v1.0.0	TSG-RAN WG3	9.7.3	
RP-020158	TR 25.877 v2.0.0	TSG-RAN WG3	9.7.3	
RP-020159	(R1-020519 and R2-020593, to TSG-RAN) LS on Special submission of CRs for feature deferral or removal	TSG-RAN WG1 and TSG-RAN WG2	6.3	

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RP-020160	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	7.3.1	
RP-020161	List of agreed CRs from RAN WG3	TSG-RAN WG3	7.3.1	RP-020220
RP-020162	CRs (R'99 and Rel-4 Category A) to TS 25.401	TSG-RAN WG3	7.3.3	RP-020221
RP-020163	CRs (R'99 and Rel-4 Category A) to TS 25.402	TSG-RAN WG3	7.3.3	
RP-020164	CRs (R'99 and Rel-4 Category A) to TS 25.413	TSG-RAN WG3	7.3.3	
RP-020165	CRs (R'99 and Rel-4 Category A) to TS 25.414	TSG-RAN WG3	7.3.3	
RP-020166	CRs (R'99 and Rel-4 Category A) to TS 25.415	TSG-RAN WG3	7.3.3	
RP-020167	CRs (R'99 and Rel-4 Category A) to TS 25.419	TSG-RAN WG3	7.3.3	
RP-020168	CRs (R'99 and Rel-4 Category A) to TS 25.420	TSG-RAN WG3	7.3.3	
RP-020169	CRs (R'99 and Rel-4 Category A) to TS 25.423 (1)	TSG-RAN WG3	7.3.3	
RP-020170	CRs (R'99 and Rel-4 Category A) to TS 25.423 (2)	TSG-RAN WG3	7.3.3	withdrawn
RP-020171	CRs (R'99 and Rel-4 Category A) to TS 25.424	TSG-RAN WG3	7.3.3	
RP-020172	CRs (R'99 and Rel-4 Category A) to TS 25.425	TSG-RAN WG3	7.3.3	
RP-020173	CRs (R'99 and Rel-4 Category A) to TS 25.426	TSG-RAN WG3	7.3.3	
RP-020174	CRs (R'99 and Rel-4 Category A) to TS 25.433	TSG-RAN WG3	7.3.3	
RP-020175	CRs (R'99 and Rel-4 Category A) to TS 25.434	TSG-RAN WG3	7.3.3	
RP-020176	CRs (R'99 and Rel-4 Category A) to TS 25.435	TSG-RAN WG3	7.3.3	RP-020223
RP-020177	CRs (R'99 and Rel-4 Category A) to TR 25.931	TSG-RAN WG3	7.3.3	
RP-020178	CRs (Rel-4) to TS 25.401	TSG-RAN WG3	7.3.4	withdrawn
RP-020179	CRs (Rel-4) to TS 25.413	TSG-RAN WG3	7.3.4	
RP-020180	CRs (Rel-4) to TS 25.415	TSG-RAN WG3	7.3.4	
RP-020181	CRs (Rel-4) to TS 25.423	TSG-RAN WG3	7.3.4	
RP-020182	CRs (Rel-4) to TS 25.433	TSG-RAN WG3	7.3.4	
RP-020183	CRs (Rel-4) to TS 25.935	TSG-RAN WG3	7.3.4	
RP-020184	CRs (R'99 and Rel-4 Category A) on Inclusion of Last Know Service Area IE group into LOCATION REPORT	TSG-RAN WG3	7.3.2	
RP-020185	CRs (Rel-4) on Inclusion of Last Know Service Area IE group into LOCATION REPORT	TSG-RAN WG3	7.3.2	
RP-020186	CRs (Rel-5) on Inclusion of Last Know Service Area IE group into LOCATION REPORT	TSG-RAN WG3	7.3.2	
RP-020187	CRs (R'99 and Rel-4 Category A) on Removing of channel coding option "no coding"	TSG-RAN WG3	7.3.2	
RP-020188	CRs (Rel-5) for WI "Technical Enhancements and Improvements"	TSG-RAN WG3	9.9	
RP-020189	CRs (Rel-5) for WI "IP Transport in UTRAN"	TSG-RAN WG3	9.4.1	
RP-020190	CRs (Rel-5) for WI "HSDPA - Iub/Iur protocol aspects"	TSG-RAN WG3	9.7.3	
RP-020191	CRs (Rel-5) for WI "Node B Synchronisation for 1.28 Mcps TDD"	TSG-RAN WG3	9.3.2	
RP-020192	CRs (Rel-5) for WI "Iur Neighbouring cell reporting Efficiency Optimisation"	TSG-RAN WG3	9.3.1.4	
RP-020193	CRs (Rel-5) for WI "UE positioning enhancements for 1.28 Mcps TDD"	TSG-RAN WG3	9.5.2	
RP-020194	CRs (Rel-5) for WI "Enhancement on the DSCH hard split mode"	TSG-RAN WG3	9.2.6	
RP-020195	CRs (Rel-5) for WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes"	TSG-RAN WG3	9.6	
RP-020196	CRs (Rel-5) for WI "RL Timing Adjustment"	TSG-RAN WG3	9.3.1.1	
RP-020197	CRs (Rel-5) for WI "Iur Common Transport Channel Efficiency Optimisation"	TSG-RAN WG3	9.3.1.3	
RP-020198	CRs (Rel-5) for WI "Re-arrangement of Iub transport bearers"	TSG-RAN WG3	9.3.4	
RP-020199	CRs (Rel-5) for WI "Separation of resource reservation and radio link activation"	TSG-RAN WG3	9.3.1.2	
RP-020200	IPv4 Address Allocation Guidelines for GPRS Network Infrastructure & Mobile Terminals	Cingular Wireless, BT Cellnet	7	
RP-020201	Status report WI "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.3.2	
RP-020202	TR 25.868 v1.1.0 "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.3.2	
RP-020203	SSDT	Fujitsu	7.1.2	withdrawn

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RP-020204	Withdrawn CR 114r2 (Rel-4 Category A) to TS 25.215	Nortel Networks	7.1.2	withdrawn
RP-020205	Approved CR 1282r5 (R'99) and CR 1283r1 (Rel-4 Category A) to 25.331 on Additional security corrections	Alcatel, Ericsson, Motorola, Nortel Networks	7.2.2	
RP-020206	CRs (Rel-5) for WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	TSG-RAN WG3	9.8	withdrawn
RP-020207	CRs (Rel-5) for TSG-GERAN WI "Location Services for GERAN in Iu Mode"	TSG-RAN WG3	10.2	
RP-020208	CRs (Rel-5) for WI "Radio Access Bearer Support Enhancements"	TSG-RAN WG3	9.3.3	
RP-020209	Status report WI "Iur Common Transport Channel Efficiency Optimisation"	TSG-RAN WG3	9.3.1.3	
RP-020210	CRs (R'99 and Rel-4 Category A) to TS 25.331 (6)	TSG-RAN WG2	7.2.3	
RP-020211	CRs (Rel-5) for WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning"	TSG-RAN WG3	9.1.5	
RP-020212	(R3-020734, to TSG-RAN) Response to LS (S2-020276) on Restoration of R'96 Any Time Interrogation functionality	TSG-RAN WG3	6.3	
RP-020213	CRs (Rel-5) for WI "Support of Site Selection Diversity Transmission in UTRAN"	TSG-RAN WG3	9.3.6	
RP-020214	TR 25.859 v2.0.1 "UE Positioning Enhancements for 1.28 Mcps TDD"	TSG-RAN WG2	9.5.2	
RP-020215	Withdrawn CR xxx (R'99) to TS 25.331 on UE positioning requirements	Nokia	7.2.2	withdrawn
RP-020216	SFN offset in IE 10.3.7.106 'UE positioning OTDOA neighbour cell info'	Nokia	7.2.2	
RP-020217	Revised CR 1332r3 (R'99) to TS 25.331 on OTDOA assistance data	Nokia	7.2.2	
RP-020218	Introduction of "Interim test phase" and deferral to Release 4	Fujitsu, NEC	7	withdrawn
RP-020219	Withdrawn CR 1330r2 (R'99) to TS 25.331 on Clarification to physical channel establishment criteria	Nokia	7.2.2	withdrawn
RP-020220	List of agreed CRs from RAN WG3	TSG-RAN WG3	7.3.1	
RP-020221	CRs (R'99 and Rel-4 Category A) to TS 25.401	TSG-RAN WG3	7.3.3	
RP-020222	TSG-RAN WG4 Status Presentation	TSG-RAN WG4	7.4.1	
RP-020223	CRs (R'99 and Rel-4 Category A) to TS 25.435	TSG-RAN WG3	7.3.3	
RP-020224	Revised CR 1330r5 (R'99) to TS 25.331 on Clarification to physical channel establishment criteria	Nokia	7.2.2	RP-020248
RP-020225	Iur-g way forward in RAN	Nokia	9.11	
RP-020226	Approved "CR" to out-of-date Work Item sheets	Secretary	9	
RP-020227	Approved "CR" to out-of-date Study Item sheets	Secretary	9	
RP-020228	Approved CR 034 (R'99) and CR 035 (Rel-4) to 25.306 and CR 1365 (R'99) and CR 1366 (Rel-4) to 25.331	Ericsson	7.2.2	
RP-020229	Status report WI "Multiple Input Multiple Output antennas (MIMO)"	Rapporteur	9.2.5	
RP-020230	Status report WI "TDD Base Station Classification"	Rapporteur	9.2.2.1	
RP-020231	Approved CRs (R'99 and Rel-4 Category A) on Removal of Channel Coding	Siemens	7	
RP-020232	Revised CR 036 (R'99) and CR 037 (Rel-4 Category A) to TS 25.306 on Clarification of Maximum number of TFC in TFCS	Panasonic	7.2.2	RP-020242
RP-020233	Approved CR 1367 (R'99) and CR 1368 (Rel-4 Category A) to TS 25.331 on Clarification of Maximum number of TFC in TFCS	Panasonic	7.2.2	
RP-020234	Withdrawn CRs (R'99) on Removal of Power control DPC Mode 1 from R99 only	Panasonic	7.2.2	withdrawn
RP-020235	R99 Terminal Testing and Interim Marker	Nokia	7.2.2	
RP-020236	Revised CR 230r2 (R'99) and CR 231r2 (Rel-4 Category A) to 25.214	Fujitsu, NEC	7.1.2	RP-020261
RP-020237	Approved CR 038 (R'99) and CR 039 (Rel-4 Category A) to TS 25.306 on Support of UP measurement validity in CELL_PCH/URA_PCH (revision)	Nortel Networks	7.2.2	
RP-020238	Approved CR 1369 (R'99) and CR 1370 (Rel-4 Category A) to TS 25.331 on Support of UP measurement validity in CELL_PCH/URA_PCH (revision)	Nortel Networks	7.2.2	
RP-020239	Approved CR 1252r2 (R'99) and CR 1253r1 (Rel-4 Category A) to TS 25.331	Nokia	7.2.2	

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RP-020240	TR 25.876 v 1.1.0 "Multiple Input Multiple Output antennas (MIMO)"	Rapporteur	9.2.5	
RP-020241	Proposed WI "Iur-g"	Nokia	9.11	withdrawn
RP-020242	Approved CR 036r1 (R'99) and CR 037r1 (Rel-4 Category A) to TS 25.306 on Clarification of Maximum number of TFC in TFCS	Panasonic	7.2.2	
RP-020243	LS (ITU-R Working Party 8F) on Schedule for updating Recommendation ITU-R M.1457 to Revision 3	ITU-R	7.5	
RP-020244	Status report WI "Improvement of RRM accross RNS and RNS/BSS status report"	Rapporteur	9.2.7	
RP-020245	Approved CR 113r2 (R'99) and CR 114r3 (Rel-4 Category A) to TS 25.215	Nortel Networks, Nokia	7.1.2	
RP-020246	Proposed WI "Shared Network support in connected Mode"	Ericsson	9.11	
RP-020247	Approved CR 1332r4 (R'99) to 25.331 on OTDOA assistance data	Nokia	7.2.2	
RP-020248	Approved CR 1330r6 (R'99) to 25.331 on Clarification to physical channel establishment criteria	Nokia	7.2.2	
RP-020249	Approved CR 1333r1 (Rel-4 Category A) to 25.331 on OTDOA assistance data	Nokia	7.2.2	
RP-020250	Approved CR 1331r1 (Rel-4 Category A) to 25.331 on Clarification to physical channel establishment criteria	Nokia	7.2.2	
RP-020251	TR 25.868 v2.0.0 "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.3.2	
RP-020252	Multimedia Broadcast and Multicast Services (MBMS) way forward	Omnitel-Vodafone, Vodafone D2, Vodafone LTD, Nortel Networks, Nokia, Siemens	10.2	RP-020254
RP-020253	Proposed SI "UE Antenna efficientcy test methods and requirements"	Telia	9.11	
RP-020254	Multimedia Broadcast and Multicast Services (MBMS) way forward	Omnitel-Vodafone, Vodafone D2, Vodafone LTD, Nortel Networks, Nokia, Siemens	10.2	
RP-020255	TR 25.858 v2.0.0 "High Speed Downlink Packet Access: Physical Layer Aspects"	Rapporteur	9.7.1	
RP-020256	Status report WI "Support of Site Selection Diversity Transmission in UTRAN"	Rapporteur	9.3.6	
RP-020257	CRs (Rel-5) for WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes"	TSG-RAN WG3	9.6	
RP-020258	Status report SI "Fast Cell Selection (FCS) for HS-DSCH"	Rapporteur	9.10.2	
RP-020259	Status report WI "Support of Site Selection Diversity Transmission in UTRAN"	Rapporteur	9.3.6	
RP-020260	Revised CR 434r3 (R'99) and CR 435r2 (Rel-4) to 25.413 on Inclusion of last know service area IE group into LOCATION REPORT	Siemens	7.3.2	RP-020262
RP-020261	Approved CR 230r3 (R'99) and CR 231r3 (Rel-4 Category A) to 25.214	Fujitsu, NEC	7.1.2	
RP-020262	Approved CR 434r4 (R'99) and CR 435r4 (Rel-4) to 25.413 on Inclusion of last know service area IE group into LOCATION REPORT	Siemens	7.3.2	

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	145	1	Rel-5	F	RP-15	RP-020039	R4-020365	approved	Correction of Change of TFC	5.1.0	5.2.0	R4	TEI5
25.101	148		Rel-5	F	RP-15	RP-020034	R4-020180	approved	Corrections to UMTS1800/1900 requirements	5.1.0	5.2.0	R4	RinImp-UMTS18, RinImp-UMTS19
25.101	149		Rel-5	B	RP-15	RP-020034	R4-020183	approved	Additional spurious emission requirements for band III	5.1.0	5.2.0	R4	RinImp-UMTS18
25.101	154	1	R99	F	RP-15	RP-020014	R4-020385	approved	Power setting for uplink compressed mode	3.9.0	3.10.0	R4	
25.101	155	1	Rel-4	A	RP-15	RP-020014	R4-020386	approved	Power setting for uplink compressed mode	4.3.0	4.4.0	R4	TEI
25.101	156	1	Rel-5	A	RP-15	RP-020014	R4-020387	approved	Power setting for uplink compressed mode	5.1.0	5.2.0	R4	TEI
25.101	157	1	R99	F	RP-15	RP-020014	R4-020489	approved	Correction of power terms and definitions	3.9.0	3.10.0	R4	
25.101	158	1	R99	F	RP-15	RP-020014	R4-020492	approved	Correction of power spectral density	3.9.0	3.10.0	R4	
25.101	159		Rel-4	A	RP-15	RP-020014	R4-020285	approved	Correction of power terms and definitions	4.3.0	4.4.0	R4	TEI
25.101	160		Rel-5	A	RP-15	RP-020014	R4-020286	approved	Correction of power terms and definitions	5.1.0	5.2.0	R4	TEI
25.101	161		Rel-4	A	RP-15	RP-020014	R4-020293	approved	Correction of power spectral density	4.3.0	4.4.0	R4	TEI
25.101	162		Rel-5	A	RP-15	RP-020014	R4-020294	approved	Correction of power spectral density	5.1.0	5.2.0	R4	TEI
25.102	086	1	R99	F	RP-15	RP-020015	R4-020373	approved	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	3.9.0	3.10.0	R4	
25.102	087	1	Rel-4	A	RP-15	RP-020015	R4-020374	approved	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	4.3.0	4.4.0	R4	TEI
25.102	088		R99	F	RP-15	RP-020015	R4-020064	approved	UL reference measurement channel (12.2 kbps) puncturing rate and bit length correction	3.9.0	3.10.0	R4	
25.102	089		Rel-4	A	RP-15	RP-020015	R4-020065	approved	UL reference measurement channel (12.2 kbps) puncturing rate and bit length correction	4.3.0	4.4.0	R4	TEI
25.102	094		Rel-4	F	RP-15	RP-020026	R4-020348	approved	Addition of channelization code, scrambling code and midamble code parameter for UE performance requirements (1.28Mcps TDD)	4.3.0	4.4.0	R4	LCRTDD-RF
25.104	100	1	R99	F	RP-15	RP-020016	R4-020465	approved	Removal of BS performance requirements in SSDT mode	3.9.0	3.10.0	R4	
25.104	101	1	Rel-4	A	RP-15	RP-020016	R4-020466	approved	Removal of BS performance requirements in SSDT mode	4.3.0	4.4.0	R4	TEI
25.104	102	1	Rel-5	A	RP-15	RP-020016	R4-020467	approved	Removal of BS performance requirements in SSDT mode	5.1.0	5.2.0	R4	TEI
25.104	105	2	Rel-5	F	RP-15	RP-020039	R4-020420	approved	Correction of reference measurement channel for 2048 kbps	5.1.0	5.2.0	R4	TEI5
25.104	108		Rel-5	F	RP-15	RP-020034	R4-020181	approved	Corrections to UMTS1800/1900 requirements	5.1.0	5.2.0	R4	RinImp-UMTS18, RinImp-UMTS19
25.104	109		Rel-5	B	RP-15	RP-020035	R4-020182	approved	Co-existence with GSM850 for band II operations	5.1.0	5.2.0	R4	RinImp-UMTS19
25.104	113	1	Rel-5	F	RP-15	RP-020039	R4-020377	approved	Correction to units in spectrum emission mask	5.1.0	5.2.0	R4	TEI5
25.104	114	1	R99	F	RP-15	RP-020016	R4-020490	approved	Correction of power terms and definitions	3.9.0	3.10.0	R4	
25.104	116		Rel-4	A	RP-15	RP-020016	R4-020287	approved	Correction of power terms and definitions	4.3.0	4.4.0	R4	TEI

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.104	117		Rel-5	A	RP-15	RP-020016	R4-020288	approved	Correction of power terms and definitions	5.1.0	5.2.0	R4	TEI
25.104	120	1	Rel-5	D	RP-15	RP-020038	R4-020475	approved	Regional requirement on HSDPA	5.1.0	5.2.0	R4	HSDPA-RF
25.105	088		R99	F	RP-15	RP-020017	R4-020068	approved	UL reference measurement channel (12.2 kbps) puncturing rate correction	3.9.0	3.10.0	R4	
25.105	089		Rel-4	A	RP-15	RP-020017	R4-020069	approved	UL reference measurement channel (12.2 kbps) puncturing rate correction	4.3.0	4.4.0	R4	TEI
25.105	097	1	Rel-4	F	RP-15	RP-020027	R4-020393	approved	Amendment for BS ACLR2 of 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.105	098	1	Rel-4	F	RP-15	RP-020027	R4-020394	approved	Amendment for BS Spectrum Emission Mask of 1.28Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.105	099	1	R99	F	RP-15	RP-020017	R4-020409	approved	Consideration of multi-carrier operation in ACLR requirements	3.9.0	3.10.0	R4	
25.105	100	1	Rel-4	A	RP-15	RP-020017	R4-020410	approved	Consideration of multi-carrier operation in ACLR requirements	4.3.0	4.4.0	R4	TEI
25.105	101	1	Rel-4	F	RP-15	RP-020027	R4-020411	approved	Consideration of multi-carrier operation in ACLR requirements for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.105	102		R99	F	RP-15	RP-020017	R4-020249	approved	Single and multi carrier in spurious emissions requirements	3.9.0	3.10.0	R4	
25.105	103		Rel-4	A	RP-15	RP-020017	R4-020250	approved	Single and multi carrier in spurious emissions requirements	4.3.0	4.4.0	R4	TEI
25.105	104		Rel-4	F	RP-15	RP-020027	R4-020251	approved	Single and multi carrier in spurious emissions requirements for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.105	106		Rel-4	F	RP-15	RP-020027	R4-020349	approved	Addition of channelization code, scrambling code and midamble code parameter for BS performance requirements (1.28Mcps TDD)	4.3.0	4.4.0	R4	LCRTDD-RF
25.105	107		Rel-5	F	RP-15	RP-020039	R4-020378	approved	Correction to units in spectrum emission mask	4.3.0	5.0.0	R4	TEI5
25.105	108		Rel-5	F	RP-15	RP-020032	R4-020381	approved	Correction to units in Spectrum emission mask for 1.28 Mcps TDD option	4.3.0	5.0.0	R4	LCRTDD-RF
25.106	004		Rel-5	F	RP-15	RP-020033	R4-020462	approved	Correction to units in Spectrum emission mask	4.2.0	5.0.0	R4	RInImp-REP
25.123	141	1	R99	F	RP-15	RP-020018	R4-020388	approved	Introduction TDD/TDD Handover Test Cases	3.8.0	3.9.0	R4	
25.123	142		R99	F	RP-15	RP-020018	R4-020013	approved	Corrections to Section 9	3.8.0	3.9.0	R4	
25.123	143		R99	F	RP-15	RP-020018	R4-020014	approved	Removal of section 6 on DCA	3.8.0	3.9.0	R4	
25.123	144		R99	F	RP-15	RP-020018	R4-020015	approved	Requirements on UE TS ISCP measurement	3.8.0	3.9.0	R4	
25.123	145	1	R99	F	RP-15	RP-020019	R4-020431	approved	Corrections measurement requirements in CELL_DCH and CELL_FACH states	3.8.0	3.9.0	R4	
25.123	146		R99	F	RP-15	RP-020018	R4-020017	approved	Corrections to reporting requirements in CELL_FACH state	3.8.0	3.9.0	R4	
25.123	147	1	R99	F	RP-15	RP-020019	R4-020400	approved	Introduction of Test Case for correct event 1H/I reporting	3.8.0	3.9.0	R4	
25.123	148	1	R99	F	RP-15	RP-020018	R4-020390	approved	Introduction TDD/FDD Handover Test Case	3.8.0	3.9.0	R4	
25.123	150		R99	F	RP-15	RP-020018	R4-020021	approved	Corrections to Timing Advance requirements	3.8.0	3.9.0	R4	
25.123	151	1	R99	F	RP-15	RP-020018	R4-020398	approved	Introduction of Timing Advance Test Case	3.8.0	3.9.0	R4	
25.123	152		R99	F	RP-15	RP-020018	R4-020023	approved	Correction of OCNS level settings in Annex A test cases	3.8.0	3.9.0	R4	

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.123	154	1	R99	F	RP-15	RP-020019	R4-020433	approved	Corrections to Idle Mode sections	3.8.0	3.9.0	R4	
25.123	155	1	Rel-4	A	RP-15	RP-020018	R4-020389	approved	Introduction TDD/TDD Handover Test Cases	4.3.0	4.4.0	R4	TEI
25.123	156		Rel-4	A	RP-15	RP-020018	R4-020027	approved	Corrections to Section 9	4.3.0	4.4.0	R4	TEI
25.123	157		Rel-4	A	RP-15	RP-020018	R4-020028	approved	Removal of section 6 on DCA	4.3.0	4.4.0	R4	TEI
25.123	158		Rel-4	A	RP-15	RP-020018	R4-020029	approved	Requirements on UE TS ISCP measurement	4.3.0	4.4.0	R4	TEI
25.123	159		Rel-4	A	RP-15	RP-020018	R4-020031	approved	Corrections to reporting requirements in CELL_FACH state	4.3.0	4.4.0	R4	TEI
25.123	160	1	Rel-4	A	RP-15	RP-020018	R4-020391	approved	Introduction TDD/FDD Handover Test Case	4.3.0	4.4.0	R4	TEI
25.123	162		Rel-4	A	RP-15	RP-020018	R4-020047	approved	Corrections to Timing Advance requirements	4.3.0	4.4.0	R4	TEI
25.123	163	1	Rel-4	A	RP-15	RP-020018	R4-020399	approved	Introduction of Timing Advance Test Case	4.3.0	4.4.0	R4	TEI
25.123	164		Rel-4	A	RP-15	RP-020018	R4-020049	approved	Correction of OCNS level settings in Annex A test cases	4.3.0	4.4.0	R4	TEI
25.123	166	1	Rel-4	A	RP-15	RP-020019	R4-020432	approved	Corrections measurement requirements in CELL_DCH and CELL_FACH states	4.3.0	4.4.0	R4	TEI
25.123	167	1	Rel-4	A	RP-15	RP-020019	R4-020401	approved	Introduction of Test Case for correct event 1H/I reporting	4.3.0	4.4.0	R4	TEI
25.123	168	1	Rel-4	A	RP-15	RP-020019	R4-020434	approved	Corrections to Idle Mode sections	4.3.0	4.4.0	R4	TEI
25.123	169	1	Rel-5	B	RP-15	RP-020037	R4-020512	approved	UE Positioning enhancements for 1.28 Mcps TDD	4.4.0	5.0.0	R4	LCS-128Pos
25.123	170	1	Rel-4	F	RP-15	RP-020028	R4-020447	approved	Chapter 8 measurements Cell-DCH	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	171		Rel-4	F	RP-15	RP-020028	R4-020139	approved	Chapter 8 measurements Cell-FACH	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	172		Rel-4	F	RP-15	RP-020028	R4-020140	approved	Section 9 corrections	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	173		Rel-4	F	RP-15	RP-020028	R4-020152	approved	Correction of NodeB Synchronisation mapping type 1 for 3.84Mcps TDD	4.3.0	4.4.0	R4	RANimp-NBsynch
25.123	174		Rel-4	F	RP-15	RP-020028	R4-020153	approved	Correction of 1.28Mcps TDD GSM cell re-selection test case	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	175		Rel-5	B	RP-15	RP-020036	R4-020155	approved	NodeB Synchronisation Measurements performance requirements for 1.28Mcps TDD	4.4.0	5.0.0	R4	RANimp-NBSLCR
25.123	176		Rel-4	F	RP-15	RP-020028	R4-020195	approved	Section 4 and 5 wording clarification for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	177		Rel-4	F	RP-15	RP-020028	R4-020196	approved	General corrections in section A4-A5 for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	178		Rel-4	F	RP-15	RP-020028	R4-020197	approved	Correction of RRC connection re-establishment section for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.123	181		Rel-5	F	RP-15	RP-020039	R4-020402	approved	Corrections to Event-Triggering and Reporting Criteria in CELL_DCH	4.4.0	5.0.0	R4	TEI5
25.133	246	1	Rel-5	F	RP-15	RP-020039	R4-020419	approved	Test description addition to chapter 9.2	5.1.0	5.2.0	R4	TEI5
25.133	250	1	R99	F	RP-15	RP-020021	R4-020451	approved	FDD/FDD Soft Handover delay test case	3.8.0	3.9.0	R4	
25.133	251	1	Rel-4	A	RP-15	RP-020021	R4-020452	approved	FDD/FDD Soft Handover delay test case	4.3.0	4.4.0	R4	TEI
25.133	252	1	Rel-5	A	RP-15	RP-020021	R4-020453	approved	FDD/FDD Soft Handover delay test case	5.1.0	5.2.0	R4	TEI
25.133	253	1	R99	F	RP-15	RP-020021	R4-020454	approved	Inter-frequency hard handover test case	3.8.0	3.9.0	R4	
25.133	254	1	Rel-4	A	RP-15	RP-020021	R4-020455	approved	Inter-frequency hard handover test case	4.3.0	4.4.0	R4	TEI
25.133	255	1	Rel-5	A	RP-15	RP-020021	R4-020456	approved	Inter-frequency hard handover test case	5.1.0	5.2.0	R4	TEI
25.133	256		R99	F	RP-15	RP-020020	R4-020109	approved	Clarification of measurement period for UTRA	3.8.0	3.9.0	R4	

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									Carrier RSSI				
25.133	257		Rel-4	A	RP-15	RP-020020	R4-020110	approved	Clarification of measurement period for UTRA Carrier RSSI	4.3.0	4.4.0	R4	TEI
25.133	258		Rel-5	A	RP-15	RP-020020	R4-020111	approved	Clarification of measurement period for UTRA Carrier RSSI	5.1.0	5.2.0	R4	TEI
25.133	259	1	R99	F	RP-15	RP-020020	R4-020416	approved	Mapping of UE Rx-Tx time difference type 1	3.8.0	3.9.0	R4	
25.133	260	1	Rel-4	A	RP-15	RP-020020	R4-020417	approved	Mapping of UE Rx-Tx time difference type 1	4.3.0	4.4.0	R4	TEI
25.133	261	1	Rel-5	A	RP-15	RP-020020	R4-020418	approved	Mapping of UE Rx-Tx time difference type 1	5.1.0	5.2.0	R4	TEI
25.133	262	1	R99	F	RP-15	RP-020021	R4-020457	approved	Inter-frequency measurements in CELL_FACH	3.8.0	3.9.0	R4	
25.133	263	1	Rel-4	A	RP-15	RP-020021	R4-020458	approved	Inter-frequency measurements in CELL_FACH	4.3.0	4.4.0	R4	TEI
25.133	264	1	Rel-5	A	RP-15	RP-020021	R4-020459	approved	Inter-frequency measurements in CELL_FACH	5.1.0	5.2.0	R4	TEI
25.133	268	1	R99	F	RP-15	RP-020022	R4-020509	approved	Correction of Cell reselection in CELL FACH	3.8.0	3.9.0	R4	
25.133	269	1	Rel-4	A	RP-15	RP-020022	R4-020510	approved	Correction of Cell reselection in CELL FACH	4.3.0	4.4.0	R4	TEI
25.133	270	1	Rel-5	A	RP-15	RP-020022	R4-020511	approved	Correction of Cell reselection in CELL FACH	5.1.0	5.2.0	R4	TEI
25.133	277	1	R99	F	RP-15	RP-020021	R4-020478	approved	Corrections to RRC connection re-establishment requirement	3.8.0	3.9.0	R4	
25.133	278	1	Rel-4	A	RP-15	RP-020021	R4-020479	approved	Corrections to RRC connection re-establishment requirement	4.3.0	4.4.0	R4	TEI
25.133	279	1	Rel-5	A	RP-15	RP-020021	R4-020486	approved	Corrections to RRC connection re-establishment requirement	5.1.0	5.2.0	R4	TEI
25.133	280	1	R99	F	RP-15	RP-020021	R4-020480	approved	Corrections to RRC connection re-establishment test cases	3.8.0	3.9.0	R4	
25.133	281	1	Rel-4	A	RP-15	RP-020021	R4-020481	approved	Corrections to RRC connection re-establishment test cases	4.3.0	4.4.0	R4	TEI
25.133	282	1	Rel-5	A	RP-15	RP-020021	R4-020482	approved	Corrections to RRC connection re-establishment test cases	5.1.0	5.2.0	R4	TEI
25.133	283	1	R99	F	RP-15	RP-020021	R4-020483	approved	Correction of hard handover test cases	3.8.0	3.9.0	R4	
25.133	284	1	Rel-4	A	RP-15	RP-020021	R4-020484	approved	Correction of hard handover test cases	4.3.0	4.4.0	R4	TEI
25.133	285	1	Rel-5	A	RP-15	RP-020021	R4-020485	approved	Correction of hard handover test cases	5.1.0	5.2.0	R4	TEI
25.133	291	1	R99	F	RP-15	RP-020020	R4-020415	approved	FDD inter frequency measurements and test cases	3.8.0	3.9.0	R4	
25.133	292	1	R99	F	RP-15	RP-020022	R4-020496	approved	UE Tx Timing in soft handover	3.8.0	3.9.0	R4	
25.133	294	1	Rel-4	A	RP-15	RP-020020	R4-020494	approved	FDD inter frequency measurements and test cases	4.3.0	4.4.0	R4	TEI
25.133	295	1	Rel-5	A	RP-15	RP-020020	R4-020495	approved	FDD inter frequency measurements and test cases	5.1.0	5.2.0	R4	TEI
25.133	296	1	Rel-4	A	RP-15	RP-020022	R4-020497	approved	UE Tx Timing in soft handover	4.3.0	4.4.0	R4	TEI
25.133	297	1	Rel-5	A	RP-15	RP-020022	R4-020498	approved	UE Tx Timing in soft handover	5.1.0	5.2.0	R4	TEI
25.133	300	1	R99	F	RP-15	RP-020022	R4-020513	approved	SFN decoding for identification of a new cell	3.8.0	3.9.0	R4	
25.133	301	1	Rel-4	A	RP-15	RP-020022	R4-020514	approved	SFN decoding for identification of a new cell	4.3.0	4.4.0	R4	TEI
25.133	302	1	Rel-5	A	RP-15	RP-020022	R4-020515	approved	SFN decoding for identification of a new cell	5.1.0	5.2.0	R4	TEI
25.133	303		R99	F	RP-15	RP-020020	R4-020240	approved	UTRAN GSM Cell Reselection	3.8.0	3.9.0	R4	
25.133	304		Rel-4	A	RP-15	RP-020020	R4-020241	approved	UTRAN GSM Cell Reselection	4.3.0	4.4.0	R4	TEI
25.133	305		Rel-5	A	RP-15	RP-020020	R4-020242	approved	UTRAN GSM Cell Reselection	5.1.0	5.2.0	R4	TEI

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25.133	307	1	R99	F	RP-15	RP-020022	R4-020493	approved	Correction of power spectral density	3.8.0	3.9.0	R4	
25.133	310		Rel-4	A	RP-15	RP-020022	R4-020297	approved	Correction of power spectral density	4.3.0	4.4.0	R4	TEI
25.133	311		Rel-5	A	RP-15	RP-020022	R4-020298	approved	Correction of power spectral density	5.1.0	5.2.0	R4	TEI
25.133	312	1	R99	F	RP-15	RP-020020	R4-020406	approved	Inclusion of AMR 2 requirement (R99)	3.8.0	3.9.0	R4	
25.133	313	1	Rel-4	A	RP-15	RP-020020	R4-020407	approved	Inclusion of AMR 2 requirement (Rel-4)	4.3.0	4.4.0	R4	TEI
25.133	314	1	Rel-5	A	RP-15	RP-020020	R4-020408	approved	Inclusion of AMR 2 requirement (Rel-5)	5.1.0	5.2.0	R4	TEI
25.133	315		R99	F	RP-15	RP-020020	R4-020318	approved	Requirement for Blind HO from UTRAN to GSM (R99)	3.8.0	3.9.0	R4	
25.133	316		Rel-4	A	RP-15	RP-020020	R4-020319	approved	Requirement for Blind HO from UTRAN to GSM (Rel-4)	4.3.0	4.4.0	R4	TEI
25.133	317		Rel-5	A	RP-15	RP-020020	R4-020320	approved	Requirement for Blind HO from UTRAN to GSM (Rel-5)	5.1.0	5.2.0	R4	TEI
25.133	325		R99	F	RP-15	RP-020022	R4-020499	approved	Corrections to section 9	3.8.0	3.9.0	R4	
25.133	326		Rel-4	A	RP-15	RP-020022	R4-020500	approved	Corrections to section 9	4.3.0	4.4.0	R4	TEI
25.133	327		Rel-5	A	RP-15	RP-020022	R4-020501	approved	Corrections to section 9	5.1.0	5.2.0	R4	TEI
25.133	328		R99	F	RP-15	RP-020022	R4-020506	approved	Correction of Cell Reselection in idle mode test case	3.8.0	3.9.0	R4	
25.133	329		Rel-4	A	RP-15	RP-020022	R4-020507	approved	Correction of Cell Reselection in idle mode test case	4.3.0	4.4.0	R4	TEI
25.133	330		Rel-5	A	RP-15	RP-020022	R4-020508	approved	Correction of Cell Reselection in idle mode test case	5.1.0	5.2.0	R4	TEI
25.141	144	1	R99	F	RP-15	RP-020024	R4-020468	approved	Removal of BS conformance tests in SSDT mode	3.8.0	3.9.0	R4	
25.141	145	1	Rel-4	A	RP-15	RP-020024	R4-020469	approved	Removal of BS conformance tests in SSDT mode	4.3.0	4.4.0	R4	TEI
25.141	146	1	Rel-5	A	RP-15	RP-020024	R4-020470	approved	Removal of BS conformance tests in SSDT mode	5.1.0	5.2.0	R4	TEI
25.141	147		R99	F	RP-15	RP-020023	R4-020097	approved	Frequency error and Test model 4	3.8.0	3.9.0	R4	
25.141	148		Rel-4	A	RP-15	RP-020023	R4-020098	approved	Frequency error and Test model 4	4.3.0	4.4.0	R4	TEI
25.141	149		Rel-5	A	RP-15	RP-020023	R4-020099	approved	Frequency error and Test model 4	5.1.0	5.2.0	R4	TEI
25.141	150		R99	F	RP-15	RP-020023	R4-020100	approved	The definition of AWGN interferer	3.8.0	3.9.0	R4	
25.141	151		Rel-4	A	RP-15	RP-020023	R4-020101	approved	The definition of AWGN interferer	4.3.0	4.4.0	R4	TEI
25.141	152		Rel-5	A	RP-15	RP-020023	R4-020102	approved	The definition of AWGN interferer	5.1.0	5.2.0	R4	TEI
25.141	153		R99	F	RP-15	RP-020023	R4-020164	approved	Single and Multicarrier in spurious emission requirements	3.8.0	3.9.0	R4	
25.141	154		Rel-4	A	RP-15	RP-020023	R4-020165	approved	Single and Multicarrier in spurious emission requirements	4.3.0	4.4.0	R4	TEI
25.141	155		Rel-5	A	RP-15	RP-020023	R4-020166	approved	Single and Multicarrier in spurious emission requirements	5.1.0	5.2.0	R4	TEI
25.141	158	1	Rel-5	F	RP-15	RP-020039	R4-020421	approved	Correction of reference measurement channel for 2048 kbps	5.1.0	5.2.0	R4	TEI5
25.141	159	1	R99	F	RP-15	RP-020023	R4-020424	approved	Correction for FCC emission mask and frequency raster for band b (UMTS1900)	3.8.0	3.9.0	R4	
25.141	160	1	Rel-4	A	RP-15	RP-020023	R4-020425	approved	Correction for FCC emission mask and	4.3.0	4.4.0	R4	TEI

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									frequency raster for band b (UMTS1900)				
25.141	163		Rel-4	F	RP-15	RP-020029	R4-020176	approved	Fading generator for RACH preamble detection and RACH message demodulation	4.3.0	4.4.0	R4	TEI4
25.141	164		Rel-5	A	RP-15	RP-020029	R4-020177	approved	Fading generator for RACH preamble detection and RACH message demodulation	5.1.0	5.2.0	R4	TEI
25.141	167	1	Rel-5	F	RP-15	RP-020039	R4-020379	approved	Correction to units in spectrum emission mask	5.1.0	5.2.0	R4	TEI5
25.141	171	1	R99	F	RP-15	RP-020024	R4-020491	approved	Correction of power terms and definitions	3.8.0	3.9.0	R4	
25.141	173		Rel-4	A	RP-15	RP-020024	R4-020291	approved	Correction of power terms and definitions	4.3.0	4.4.0	R4	TEI
25.141	174		Rel-5	A	RP-15	RP-020024	R4-020292	approved	Correction of power terms and definitions	5.1.0	5.2.0	R4	TEI
25.141	177		R99	F	RP-15	RP-020023	R4-020301	approved	Maintenance of annex E, Global In-Channel TX-Test	3.8.0	3.9.0	R4	
25.141	178		Rel-4	A	RP-15	RP-020023	R4-020302	approved	Maintenance of annex E, Global In-Channel TX-Test	4.3.0	4.4.0	R4	TEI
25.141	179		Rel-5	A	RP-15	RP-020023	R4-020303	approved	Maintenance of annex E, Global In-Channel TX-Test	5.1.0	5.2.0	R4	TEI
25.141	186	1	Rel-5	B	RP-15	RP-020034	R4-020446	approved	REL-5 frequency band restructure and essential corrections for Band II and Band III	5.1.0	5.2.0	R4	RInImp-UMTS18
25.141	187	1	R99	F	RP-15	RP-020024	R4-020426	approved	Correction of transmit inter modulation test method	3.8.0	3.9.0	R4	
25.141	188	1	Rel-4	A	RP-15	RP-020024	R4-020427	approved	Correction of transmit inter modulation test method	4.3.0	4.4.0	R4	TEI
25.141	189	1	Rel-5	A	RP-15	RP-020024	R4-020428	approved	Correction of transmit inter modulation test method	5.1.0	5.2.0	R4	TEI
25.141	190		R99	F	RP-15	RP-020023	R4-020328	approved	Correction of EVM test procedure	3.8.0	3.9.0	R4	
25.141	191		Rel-4	A	RP-15	RP-020023	R4-020329	approved	Correction of EVM test procedure	4.3.0	4.4.0	R4	TEI
25.141	192		Rel-5	A	RP-15	RP-020023	R4-020330	approved	Correction of EVM test procedure	5.1.0	5.2.0	R4	TEI
25.141	193	1	Rel-5	D	RP-15	RP-020038	R4-020476	approved	Regional requirement on HSDPA	5.1.0	5.2.0	R4	HSDPA-RF
25.141	194		Rel-5	B	RP-15	RP-020035	R4-020362	approved	Addition of requirements for GSM850 co-sitting	5.1.0	5.2.0	R4	RInImp-UMTS19
25.141	195	1	R99	F	RP-15	RP-020024	R4-020503	revised	TBD on test tolerances	3.8.0		R4	
25.141	195	2	R99	F	RP-15	RP-020115	-	approved	TBDs on test tolerances	3.8.0	3.9.0	R4	-
25.141	196	1	Rel-4	A	RP-15	RP-020024	R4-020504	revised	TBD on test tolerances	4.3.0		R4	TEI
25.141	196	2	Rel-4	A	RP-15	RP-020115	-	approved	TBDs on test tolerances	4.3.0	4.4.0	R4	-
25.141	197	1	Rel-5	A	RP-15	RP-020024	R4-020505	revised	TBD on test tolerances	5.1.0		R4	TEI
25.141	197	2	Rel-5	A	RP-15	RP-020115	-	approved	TBDs on test tolerances	5.1.0	5.2.0	R4	-
25.142	094	1	Rel-4	F	RP-15	RP-020030	R4-020395	approved	Amendment for BS ACLR2 test of 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.142	095	1	Rel-4	F	RP-15	RP-020030	R4-020396	approved	Amendment for BS Spectrum Emission Mask Test of 1.28Mcps TDD Option	4.3.0	4.4.0	R4	LCRTDD-RF
25.142	096	1	R99	F	RP-15	RP-020025	R4-020412	approved	Consideration of multi-carrier operation in ACLR conformance testing	3.8.0	3.9.0	R4	
25.142	097	1	Rel-4	A	RP-15	RP-020025	R4-020413	approved	Consideration of multi-carrier operation in ACLR conformance testing	4.3.0	4.4.0	R4	TEI
25.142	098	1	Rel-4	F	RP-15	RP-020030	R4-020414	approved	Consideration of multi-carrier operation in ACLR conformance testing for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF

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25.142	099		R99	F	RP-15	RP-020025	R4-020252	approved	Single and multi carrier in spurious emissions conformance testing	3.8.0	3.9.0	R4	
25.142	100		Rel-4	A	RP-15	RP-020025	R4-020253	approved	Single and multi carrier in spurious emissions conformance testing	4.3.0	4.4.0	R4	TEI
25.142	101		Rel-4	F	RP-15	RP-020030	R4-020254	approved	Single and multi carrier in spurious emissions conformance testing for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.142	102	1	R99	F	RP-15	RP-020025	R4-020442	approved	Correction of transmit intermodulation conformance testing	3.8.0	3.9.0	R4	
25.142	103	1	Rel-4	A	RP-15	RP-020025	R4-020443	approved	Correction of transmit intermodulation conformance testing	4.3.0	4.4.0	R4	TEI
25.142	104	1	Rel-4	F	RP-15	RP-020030	R4-020444	approved	Correction of transmit intermodulation conformance testing for 1.28 Mcps TDD option	4.3.0	4.4.0	R4	LCRTDD-RF
25.142	106		R99	F	RP-15	RP-020025	R4-020304	approved	Maintenance of annex C, Global In-Channel TX-Test	3.8.0	3.9.0	R4	
25.142	107		Rel-4	A	RP-15	RP-020025	R4-020305	approved	Maintenance of annex C, Global In-Channel TX-Test	4.3.0	4.4.0	R4	TEI
25.142	110		Rel-5	F	RP-15	RP-020039	R4-020380	approved	Correction to units in spectrum emission mask	4.3.0	5.0.0	R4	TEI5
25.142	111		Rel-5	F	RP-15	RP-020032	R4-020382	approved	Correction to units in Spectrum emission mask for 1.28 Mcps TDD option	4.3.0	5.0.0	R4	LCRTDD-RF
25.143	006		Rel-4	F	RP-15	RP-020031	R4-020270	approved	Correction of initial conditions in Spectrum emission mask and System set-up drawing of input intermodulation.	4.2.0	4.3.0	R4	RInImp-REP
25.143	007		Rel-5	F	RP-15	RP-020033	R4-020463	approved	Correction to units in Spectrum emission mask	4.2.0	5.0.0	R4	RInImp-REP
25.201	009	1	R99	F	RP-15	RP-020059	R1-020495	withdrawn	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.2.0		R1	TEI
25.201	009	2	R99	F	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.2.0	3.3.0	R1	TEI
25.201	010	-	Rel-4	A	RP-15	RP-020059	R1-020495	withdrawn	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.1.0		R1	TEI
25.201	010	1	Rel-4	A	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.1.0	4.2.0	R1	TEI
25.201	013	-	Rel-5	B	RP-15	RP-020058	R1-020437	approved	Specification of HS-DSCH for Release 5 in 25.201	4.1.0	5.0.0	R1	HSDPA-Phys
25.211	138	1	R99	F	RP-15	RP-020046	R1-020424	approved	Clarification of different diversity modes used in the same active set	3.9.0	3.10.0	R1	TEI
25.211	139	1	Rel-4	A	RP-15	RP-020046	R1-020424	approved	Clarification of different diversity modes used in the same active set	4.3.0	4.4.0	R1	TEI
25.211	146	-	Rel-5	B	RP-15	RP-020058	R1-020470	approved	Specification of HS-DSCH for Release 5 in 25.211	4.3.0	5.0.0	R1	HSDPA-Phys
25.212	123	4	Rel-5	B	RP-15	RP-020054	R1-020465	approved	Inclusion of flexible hard split mode TFCI operation	4.3.0	5.0.0	R1	RinImp-DSCHhsp
25.212	126	1	Rel-5	B	RP-15	RP-020058	R1-020492	approved	Changes to 25.212 for HSDPA work item	4.3.0	5.0.0	R1	HSDPA-Phys
25.212	127	1	R99	F	RP-15	RP-020059	R1-020308	withdrawn	Removal of channel coding option “no coding” for FDD	3.8.0		R1	TEI

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25.212	127	2	R99	F	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD	3.8.0	3.9.0	R1	TEI
25.212	128	1	Rel-4	A	RP-15	RP-020059	R1-020308	withdrawn	Removal of channel coding option “no coding” for FDD	4.3.0		R1	TEI
25.212	128	2	Rel-4	A	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD	4.3.0	4.4.0	R1	TEI
25.213	049	-	Rel-5	B	RP-15	RP-020058	R1-020515	approved	The inclusion of HSDPA into 25.213	4.2.0	5.0.0	R1	HSDPA-Phys
25.214	226	-	R99	F	RP-15	RP-020047	R1-020305	approved	Clarification on DPCCH dedicated pilot bits with closed loop mode 1	3.9.0	3.10.0	R1	TEI
25.214	227	-	Rel-4	A	RP-15	RP-020047	R1-020305	approved	Clarification on DPCCH dedicated pilot bits with closed loop mode 1	4.3.0	4.4.0	R1	TEI
25.214	230	1	R99	F	RP-15	RP-020047	R1-020487	revised	Qth threshold parameter in SSDT	3.9.0		R1	TEI
25.214	230	2	R99	F	RP-15	RP-020236		revised	Qth threshold parameter in SSDT	3.9.0		R1	TEI
25.214	230	3	R99	F	RP-15	RP-020261		approved	Qth threshold parameter in SSDT	3.9.0	3.10.0	R1	TEI
25.214	231	1	Rel-4	A	RP-15	RP-020047	R1-020487	revised	Qth threshold parameter in SSDT	4.3.0		R1	TEI
25.214	231	2	Rel-4	A	RP-15	RP-020236		revised	Qth threshold parameter in SSDT	4.3.0		R1	TEI
25.214	231	3	Rel-4	A	RP-15	RP-020261		approved	Qth threshold parameter in SSDT	4.3.0	4.4.0	R1	TEI
25.214	234	1	Rel-5	C	RP-15	RP-020056	R1-020500	postponed	Definition of Qth threshold parameter in SSDT	4.3.0		R1	RANimp-SSDT
25.214	236	1	Rel-4	F	RP-15	RP-020053	R1-020489	approved	Clarification of closed loop transmit diversity during soft handover	4.3.0	4.4.0	R1	TEI4
25.214	237	2	Rel-5	B	RP-15	RP-020058	R1-020480	approved	Introduction of HSDPA feature to TS25.214	4.3.0	5.0.0	R1	HSDPA-Phys
25.214	239	1	R99	F	RP-15	RP-020047	R1-020488	approved	TPC procedure in UE when SSDT is activated	3.9.0	3.10.0	R1	TEI
25.214	240	1	Rel-4	A	RP-15	RP-020047	R1-020488	approved	TPC procedure in UE when SSDT is activated	4.3.0	4.4.0	R1	TEI
25.214	250	1	Rel-5	B	RP-15	RP-020054	R1-020513	approved	Description of SSDT operation for TFCI power control in hard split mode	4.3.0	5.0.0	R1	RInImp-DSCHhsp
25.214	251	-	Rel-5	B	RP-15	RP-020058	R1-020404	approved	Introduction of power control aspects for HSDPA feature in TS25.214	4.3.0	5.0.0	R1	HSDPA-Phys
25.215	110	-	R99	F	RP-15	RP-020059	R1-020306	withdrawn	Removal of channel coding option “no coding” for FDD	3.9.0		R1	TEI
25.215	110	1	R99	F	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD	3.9.0	3.10.0	R1	TEI
25.215	111	-	Rel-4	A	RP-15	RP-020059	R1-020306	withdrawn	Removal of channel coding option “no coding” for FDD	4.3.0		R1	TEI
25.215	111	1	Rel-4	A	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD	4.3.0	4.4.0	R1	TEI
25.215	113	1	R99	F	RP-15	RP-020048	R1-020455	revised	Clarification of UE measurements applicability	3.9.0		R1	TEI
25.215	113	3	R99	F	RP-15	RP-020245		approved	Clarification of UE measurements applicability	3.9.0	3.10.0	R1	TEI
25.215	114	1	Rel-4	A	RP-15	RP-020048	R1-020455	revised	Clarification of UE measurements applicability	4.3.0		R1	TEI
25.215	114	2	Rel-4	A	RP-15	RP-020204	-	withdrawn	Clarification of UE measurements Applicability	4.3.0		R1	TEI
25.215	114	3	Rel-4	A	RP-15	RP-020245		approved	Clarification of UE measurements applicability	4.3.0	4.4.0	R1	TEI
25.215	115	-	R99	F	RP-15	RP-020048	R1-020448	approved	Correction to the definition of UTRAN GPS timing of cell frames for UE positioning	3.9.0	3.10.0	R1	TEI
25.215	116	-	Rel-4	A	RP-15	RP-020048	R1-020448	approved	Correction to the definition of UTRAN GPS timing of cell frames for UE positioning	4.3.0	4.4.0	R1	TEI

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25.215	117	-	R99	F	RP-15	RP-020048	R1-020454	approved	Correction to the definition of UE GPS timing of cell frames for UE positioning	3.9.0	3.10.0	R1	TEI
25.215	118	-	Rel-4	A	RP-15	RP-020048	R1-020454	approved	Correction to the definition of UE GPS timing of cell frames for UE positioning	4.3.0	4.4.0	R1	TEI
25.221	070	2	R99	F	RP-15	RP-020049	R1-020337	approved	Clarification of spreading for UL physical channels	3.9.0	3.10.0	R1	TEI
25.221	071	2	Rel-4	A	RP-15	RP-020049	R1-020337	approved	Clarification of spreading for UL physical channels	4.3.0	4.4.0	R1	TEI
25.221	072	1	R99	F	RP-15	RP-020049	R1-020336	approved	Common midamble allocation for beacon time slot	3.9.0	3.10.0	R1	TEI
25.221	073	1	Rel-4	A	RP-15	RP-020049	R1-020336	approved	Common midamble allocation for beacon time slot	4.3.0	4.4.0	R1	TEI
25.221	074	3	R99	F	RP-15	RP-020049	R1-020442	approved	Correction to a transmission of paging indicators bits	3.9.0	3.10.0	R1	TEI
25.221	075	3	Rel-4	A	RP-15	RP-020049	R1-020442	approved	Correction to a transmission of paging indicators bits	4.3.0	4.4.0	R1	TEI
25.221	076	1	Rel-5	B	RP-15	RP-020058	R1-020507	approved	CR to include HSDPA in TS25.221	4.3.0	5.0.0	R1	HSDPA-Phys
25.222	062	1	R99	F	RP-15	RP-020050	R1-020338	approved	Correction to addition of padding zeros to PICH in TDD	3.7.0	3.8.0	R1	TEI
25.222	063	1	Rel-4	A	RP-15	RP-020050	R1-020338	approved	Correction to addition of padding zeros to PICH in TDD	4.2.0	4.3.0	R1	TEI
25.222	064	3	R99	F	RP-15	RP-020050	R1-020282	approved	Clarification of the requirement for the determination of the rate matching parameters and editorial corrections to 25.222	3.7.0	3.8.0	R1	TEI
25.222	065	3	Rel-4	A	RP-15	RP-020050	R1-020282	approved	Clarification of the requirement for the determination of the rate matching parameters and editorial corrections to 25.222	4.2.0	4.3.0	R1	TEI
25.222	066	2	Rel-5	B	RP-15	RP-020058	R1-020508	approved	Inclusion of HSDPA in 25.222	4.2.0	5.0.0	R1	HSDPA-Phys
25.222	067	1	R99	F	RP-15	RP-020059	R1-020309	withdrawn	Removal of channel coding option “no coding” for 3.84 Mcps TDD	3.7.0		R1	TEI
25.222	068	1	Rel-4	A	RP-15	RP-020059	R1-020309	withdrawn	Removal of channel coding option "no coding" for 3.84 Mcps TDD	4.2.0		R1	TEI
25.223	024	1	R99	F	RP-15	RP-020051	R1-020340	approved	Removal of quantisation of bj gain factor when calculated from a reference TFC	3.7.0	3.8.0	R1	TEI
25.223	025	1	Rel-4	A	RP-15	RP-020051	R1-020340	approved	Removal of quantisation of bj gain factor when calculated from a reference TFC	4.3.0	4.4.0	R1	TEI
25.223	026	1	Rel-5	B	RP-15	RP-020058	R1-020509	approved	CR to include HSDPA in TS25.223	4.3.0	5.0.0	R1	HSDPA-Phys
25.223	027	-	R99	F	RP-15	RP-020051	R1-020341	approved	Channelisation code-specific multiplier operation under autonomous SF change	3.7.0	3.8.0	R1	TEI
25.223	028	-	Rel-4	A	RP-15	RP-020051	R1-020341	approved	Channelisation code-specific multiplier operation under autonomous SF change	4.3.0	4.4.0	R1	TEI
25.223	029	-	R99	F	RP-15	RP-020051	R1-020342	approved	Alignment of gamma(i) gains of 25.223 with SIR target of WG2 25.331	3.7.0	3.8.0	R1	TEI
25.223	030	-	Rel-4	A	RP-15	RP-020051	R1-020342	approved	Alignment of gamma(i) gains of 25.223 with SIR	4.3.0	4.4.0	R1	TEI

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									target of WG2 25.331				
25.224	078	1	R99	F	RP-15	RP-020052	R1-020343	approved	Removal of quantisation of bj gain factor when calculated from a reference TFC	3.9.0	3.10.0	R1	TEI
25.224	079	1	Rel-4	A	RP-15	RP-020052	R1-020343	approved	Removal of quantisation of bj gain factor when calculated from a reference TFC	4.3.0	4.4.0	R1	TEI
25.224	080	-	Rel-5	B	RP-15	RP-020057	R1-020214	approved	Introduction of “UE Positioning Enhancements for 1.28 Mcps TDD”	4.3.0	5.0.0	R1	LCS-128Pos
25.224	081	1	Rel-5	B	RP-15	RP-020058	R1-020502	approved	Power control and procedures for HSDPA	4.3.0	5.0.0	R1	HSDPA-Phys
25.224	082	1	Rel-5	B	RP-15	RP-020055	R1-020474	approved	Introduction of “Node B synchronization for 1.28 Mcps TDD”	4.3.0	5.0.0	R1	RANimp-NBSLCR
25.224	083	1	R99	F	RP-15	RP-020052	R1-020501	approved	TDD MAC layer subchannel assignment	3.9.0	3.10.0	R1	TEI
25.224	084	1	Rel-4	A	RP-15	RP-020052	R1-020501	approved	TDD MAC layer subchannel assignment	4.3.0	4.4.0	R1	TEI
25.224	085	-	R99	F	RP-15	RP-020052	R1-020344	approved	Transmit diversity on PICH	3.9.0	3.10.0	R1	TEI
25.224	086	-	Rel-4	A	RP-15	RP-020052	R1-020344	approved	Transmit diversity on PICH	4.3.0	4.4.0	R1	TEI
25.225	041	1	Rel-5	B	RP-15	RP-020055	R1-020474	approved	Introduction of “Node B synchronization for 1.28 Mcps TDD”	4.3.0	5.0.0	R1	RANimp-NBSLCR
25.225	043	-	Rel-5	B	RP-15	RP-020057	R1-020214	approved	Introduction of “UE Positioning Enhancements for 1.28 Mcps TDD”	4.3.0	5.0.0	R1	LCS-128Pos
25.225	044	-	R99	F	RP-15	RP-020059	R1-020307	withdrawn	Removal of channel coding option “no coding” 3.84 Mcps TDD	3.9.0		R1	TEI
25.225	045	-	Rel-4	A	RP-15	RP-020059	R1-020307	withdrawn	Removal of channel coding option “no coding” for 3.84 Mcps TDD	4.3.0		R1	TEI
25.301	062	1	Rel-5	B	RP-15	RP-020094	R2-020576	approved	Introduction of HSDPA	4.2.0	5.0.0	R2	HSDPA-L23
25.302	118		Rel-5	B	RP-15	RP-020090	R2-020251	approved	Introduction of AOA measurement for 1.28Mcps TDD	4.3.0	5.0.0	R2	LCS-128Pos
25.302	119	1	Rel-4	F	RP-15	RP-020079	R2-020533	approved	UE GPS Code Phase Measurement	4.3.0	4.4.0	R2	LCS1-UEpos-enh
25.302	120	1	R99	C	RP-15	RP-020159	R2-020408	revised	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.11.0		R2	TEI
25.302	120	2	R99	C	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.11.0	3.12.0	R2	TEI
25.302	121		Rel-4	A	RP-15	RP-020159	R2-020409	revised	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.3.0		R2	TEI
25.302	121	1	Rel-4	A	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.3.0	4.4.0	R2	TEI
25.302	122	2	Rel-5	B	RP-15	RP-020094	R2-020554	approved	Introduction of HSDPA	4.3.0	5.0.0	R2	HSDPA-L23
25.303	063	1	R99	F	RP-15	RP-020062	R2-020433	approved	Correction on RRC connection establishment procedure	3.10.0	3.11.0	R2	TEI
25.303	064		Rel-4	A	RP-15	RP-020062	R2-020434	approved	Correction on RRC connection establishment procedure	4.3.0	4.4.0	R2	TEI
25.303	066		R99	F	RP-15	RP-020062	R2-020289	approved	Alignment of SRNS relocation in CELL_DCH	3.10.0	3.11.0	R2	TEI
25.303	067		Rel-4	A	RP-15	RP-020062	R2-020539	approved	Alignment of SRNS relocation in CELL_DCH	4.3.0	4.4.0	R2	TEI
25.303	068		R99	F	RP-15	RP-020062	R2-020417	approved	Corrections on combined Cell/URA update and SRNS relocation	3.10.0	3.11.0	R2	TEI
25.303	069		Rel-4	A	RP-15	RP-020062	R2-020435	approved	Corrections on combined Cell/URA update and	4.3.0	4.4.0	R2	TEI

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									SRNS relocation				
25.304	095		R99	F	RP-15	RP-020063	R2-020257	approved	Correction to TDD paging message receiving occasion	3.9.0	3.10.0	R2	TEI
25.304	096		Rel-4	A	RP-15	RP-020063	R2-020448	approved	Correction to TDD paging message receiving occasion	4.3.0	4.4.0	R2	TEI
25.304	097	1	R99	F	RP-15	RP-020063	R2-020410	approved	Clarification of IMSI at Paging channel selection and DRX calculation	3.9.0	3.10.0	R2	TEI
25.304	098		Rel-4	A	RP-15	RP-020063	R2-020555	approved	Clarification of IMSI at Paging channel selection and DRX calculation	4.3.0	4.4.0	R2	TEI
25.305	073	1	Rel-4	F	RP-15	RP-020080	R2-020528	approved	Corrections Relating to IPDL and Timing Advance for 1.28 Mcps TDD	4.2.0	4.3.0	R2	LCRTDD-L23
25.305	074		Rel-5	A	RP-15	RP-020080	R2-020529	approved	Corrections Relating to IPDL and Timing Advance for 1.28 Mcps TDD	5.3.0	5.4.0	R2	LCRTDD-L23
25.305	075		Rel-5	B	RP-15	RP-020090	R2-020252	approved	UE Positioning for 1.28 Mcps TDD	5.3.0	5.4.0	R2	LCS-128Pos
25.305	079		R99	F	RP-15	RP-020064	R2-020405	withdrawn	Correction to CELL ID positioning when UE is not reachable	3.7.0		R2	TEI
25.305	080		Rel-4	A	RP-15	RP-020064	R2-020405	withdrawn	Correction to CELL ID positioning when UE is not reachable	4.2.0		R2	TEI
25.305	080	1	Rel-4	F	RP-15	RP-020065	R2-020405	approved	Correction to CELL ID positioning when UE is not reachable	4.2.0	4.3.0	R2	TEI4
25.305	081		Rel-5	A	RP-15	RP-020064	R2-020405	withdrawn	Correction to CELL ID positioning when UE is not reachable	5.3.0		R2	TEI
25.305	081	1	Rel-5	A	RP-15	RP-020065	R2-020405	approved	Correction to CELL ID positioning when UE is not reachable	5.3.0	5.4.0	R2	TEI4
25.305	081	2	Rel-5	F	RP-15	RP-020066	R2-020405	withdrawn	Correction to CELL ID positioning when UE is not reachable	5.3.0		R2	TEI5
25.305	082		R99	F	RP-15	RP-020065	R2-020494	approved	Correction to CELL ID positioning when UE is not reachable	3.7.0	3.8.0	R2	TEI
25.305	082	1	R99	F	RP-15	RP-020066	R2-020494	withdrawn	Correction to CELL ID positioning when UE is not reachable	3.7.0		R2	TEI
25.305	083		Rel-4	A	RP-15	RP-020066	R2-020494	withdrawn	Correction to CELL ID positioning when UE is not reachable	4.2.0		R2	TEI
25.306	029	2	Rel-5	B	RP-15	RP-020094	R2-020558	approved	HSDPA UE capabilities	4.3.0	5.0.0	R2	HSDPA-L23
25.306	031	1	R99	C	RP-15	RP-020078	R2-020412	withdrawn	Introduction of interim test marker within UE radio access capabilities	3.4.0		R2	TEI
25.306	032		Rel-4	A	RP-15	RP-020078	R2-020540	withdrawn	Introduction of interim test marker within UE radio access capabilities	4.3.0		R2	TEI
25.306	033		Rel-4	F	RP-15	RP-020081	R2-020413	withdrawn	Clarification on ICS version within UE radio access capabilities	4.3.0		R2	TEI4
25.306	034	-	R99	F	RP-15	RP-020228		approved	Clarification on ICS version within UE radio access capabilities	3.4.0	3.5.0	R2	TEI
25.306	035	-	Rel-4	A	RP-15	RP-020228		approved	Clarification on ICS version within UE radio access capabilities	4.3.0	4.4.0	R2	TEI
25.306	036	-	R99	F	RP-15	RP-020232	-	revised	Clarification of Maximum number of TFC in the	3.4.0		R2	TEI

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									TFCS				
25.306	036	1	R99	F	RP-15	RP-020242	-	approved	Clarification of Maximum number of TFC in the TFCS	3.4.0	3.5.0	R2	TEI
25.306	037	-	Rel-4	A	RP-15	RP-020232	-	revised	Clarification of Maximum number of TFC in the TFCS	4.3.0		R2	TEI
25.306	037	1	Rel-4	A	RP-15	RP-020242	-	approved	Clarification of Maximum number of TFC in the TFCS	4.3.0	4.4.0	R2	TEI
25.306	038	-	R99	F	RP-15	RP-020237	-	approved	Support of UP measurement reporting in CELL_PCH/URA_PCH	3.4.0	3.5.0	R2	TEI
25.306	039	-	Rel-4	A	RP-15	RP-020237	-	approved	Support of UP measurement reporting in CELL_PCH/URA_PCH	4.3.0	4.4.0	R2	TEI
25.307	004		Rel-5	F	RP-15	RP-020096	R2-020424	approved	Creation of Rel-5 specification	4.1.0	5.0.0	R2	TEI5
25.308	002		Rel-5	B	RP-15	RP-020093	R2-020590	approved	HSDPA updates	5.1.0	5.2.0	R2	HSDPA
25.321	102	1	R99	F	RP-15	RP-020067	R2-020451	approved	Clarification on ciphering	3.10.0	3.11.0	R2	TEI
25.321	103		Rel-4	A	RP-15	RP-020067	R2-020452	approved	Clarification on ciphering	4.3.0	4.4.0	R2	TEI
25.321	104	2	Rel-5	B	RP-15	RP-020094	R2-020559	approved	Introduction of HSDPA	4.3.0	5.0.0	R2	HSDPA-L23
25.321	105		R99	F	RP-15	RP-020067	R2-020342	approved	TDD MAC Layer Subchannel Assignment	3.10.0	3.11.0	R2	TEI
25.321	106		Rel-4	A	RP-15	RP-020067	R2-020414	approved	TDD MAC Layer Subchannel Assignment	4.3.0	4.4.0	R2	TEI
25.321	109	1	R99	F	RP-15	RP-020067	R2-020420	approved	Missing DTCH channel type in UE-ID Type Indicator	3.10.0	3.11.0	R2	TEI
25.321	110		Rel-4	A	RP-15	RP-020067	R2-020449	approved	Missing DTCH channel type in UE-ID Type Indicator	4.3.0	4.4.0	R2	TEI
25.321	111	1	R99	F	RP-15	RP-020067	R2-020453	approved	Correction on UE Id for DSCH	3.10.0	3.11.0	R2	TEI
25.321	112		Rel-4	A	RP-15	RP-020067	R2-020454	approved	Correction on UE Id for DSCH	4.3.0	4.4.0	R2	TEI
25.321	113		R99	F	RP-15	RP-020067	R2-020505	approved	UE undefined behaviour when padding is required	3.10.0	3.11.0	R2	TEI
25.321	114		Rel-4	A	RP-15	RP-020067	R2-020577	approved	UE undefined behaviour when padding is required	4.3.0	4.4.0	R2	TEI
25.322	171	2	R99	F	RP-15	RP-020068	R2-020586	approved	Clarification on MRW SUFI and SDU discard with explicit signalling procedure	3.9.0	3.10.0	R2	TEI
25.322	172		Rel-4	A	RP-15	RP-020068	R2-020587	approved	Clarification on MRW SUFI and SDU discard with explicit signalling procedure	4.3.0	4.4.0	R2	TEI
25.322	175	1	R99	F	RP-15	RP-020068	R2-020584	approved	SDU discard termination	3.9.0	3.10.0	R2	TEI
25.322	176		Rel-4	A	RP-15	RP-020068	R2-020585	approved	SDU discard termination	4.3.0	4.4.0	R2	TEI
25.322	179	1	R99	F	RP-15	RP-020068	R2-020436	approved	Initial value of VT(US)	3.9.0	3.10.0	R2	TEI
25.322	180		Rel-4	A	RP-15	RP-020068	R2-020437	approved	Initial value of VT(US)	4.3.0	4.4.0	R2	TEI
25.323	042	1	R99	F	RP-15	RP-020069	R2-020411	approved	Clarification on PDCP sequence numbering	3.7.0	3.8.0	R2	TEI
25.323	043		Rel-4	A	RP-15	RP-020069	R2-020588	approved	Clarification on PDCP sequence numbering	4.3.0	4.4.0	R2	TEI
25.331	1122	2	Rel-4	F	RP-15	RP-020082	R2-020530	approved	Correction to include Cell ID for Cell_DCH state	4.3.0	4.4.0	R2	TEI4
25.331	1129	2	Rel-5	B	RP-15	RP-020084	R2-020386	approved	Support of flexible hard split mode	4.3.0	5.0.0	R2	RInImp-DSCHhsp
25.331	1187	2	Rel-4	F	RP-15	RP-020082	R2-020531	approved	Correction of Transparent mode signalling for UL rate control	4.3.0	4.4.0	R2	TEI4
25.331	1188	2	Rel-4	C	RP-15	RP-020082	R2-020532	approved	Introduction of default radio configurations for UMTS_AMR2 with four speech modes	4.3.0	4.4.0	R2	TEI4

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25.331	1223	1	Rel-4	C	RP-15	RP-020082	R2-020589	approved	Acquisition of PLMN identity of neighbour cells via SIB 18	4.3.0	4.4.0	R2	TEI4
25.331	1225	1	Rel-5	B	RP-15	RP-020090	R2-020551	approved	Introduction of the parameters of OTDOA with IPDL for 1.28 Mcps TDD	4.3.0	5.0.0	R2	LCS-128Pos
25.331	1228	1	R99	F	RP-15	RP-020070	R2-020455	approved	Constant value range correction for DPCH and PUSCH in TDD mode	3.9.0	3.10.0	R2	TEI
25.331	1229		Rel-4	A	RP-15	RP-020070	R2-020541	approved	Constant value range correction for DPCH and PUSCH in TDD mode	4.3.0	4.4.0	R2	TEI
25.331	1230		R99	F	RP-15	RP-020070	R2-020259	approved	Corrections to open loop power control for TDD and RB information parameters for SHCCH	3.9.0	3.10.0	R2	TEI
25.331	1231		Rel-4	A	RP-15	RP-020070	R2-020456	approved	Corrections to open loop power control for TDD and RB information parameters for SHCCH	4.3.0	4.4.0	R2	TEI
25.331	1232	1	R99	F	RP-15	RP-020070	R2-020457	approved	Removal of unnecessary replication of TFCS ID in Physical Shared Channel Allocation message	3.9.0	3.10.0	R2	TEI
25.331	1233		Rel-4	A	RP-15	RP-020070	R2-020458	approved	Removal of unnecessary replication of TFCS ID in Physical Shared Channel Allocation message	4.3.0	4.4.0	R2	TEI
25.331	1235	1	R99	C	RP-15	RP-020159	R2-020459	withdrawn	Deferral of SSDT from R99 to REL-4	3.9.0		R2	TEI
25.331	1236		R99	F	RP-15	RP-020070	R2-020265	approved	Correction to TF selection when using UL RLC TM	3.9.0	3.10.0	R2	TEI
25.331	1237		Rel-4	A	RP-15	RP-020070	R2-020460	approved	Correction to TF selection when using UL RLC TM	4.3.0	4.4.0	R2	TEI
25.331	1238	3	R99	F	RP-15	RP-020070	R2-020542	approved	Correction to the UE behaviour in case of SRNS relocation	3.9.0	3.10.0	R2	TEI
25.331	1239		Rel-4	A	RP-15	RP-020070	R2-020543	approved	Correction to the UE behaviour in case of SRNS relocation	4.3.0	4.4.0	R2	TEI
25.331	1240		R99	F	RP-15	RP-020070	R2-020267	approved	Header Compression protocols re-initialisation during SRNS Relocation	3.9.0	3.10.0	R2	TEI
25.331	1241		Rel-4	A	RP-15	RP-020070	R2-020544	approved	Header Compression protocols re-initialisation during SRNS Relocation	4.3.0	4.4.0	R2	TEI
25.331	1242	1	R99	F	RP-15	RP-020070	R2-020421	approved	Misalignments between tabular and ASN.1 related to UE Positioning, tabular correction	3.9.0	3.10.0	R2	TEI
25.331	1243		Rel-4	A	RP-15	RP-020070	R2-020545	approved	Misalignments between tabular and ASN.1 related to UE Positioning, tabular correction	4.3.0	4.4.0	R2	TEI
25.331	1244		R99	F	RP-15	RP-020070	R2-020271	approved	Corrections to comments in ASN.1	3.9.0	3.10.0	R2	TEI
25.331	1245		Rel-4	A	RP-15	RP-020070	R2-020461	approved	Corrections to comments in ASN.1	4.3.0	4.4.0	R2	TEI
25.331	1246		R99	F	RP-15	RP-020070	R2-020272	approved	Correction to restarting of T308	3.9.0	3.10.0	R2	TEI
25.331	1247		Rel-4	A	RP-15	RP-020070	R2-020462	approved	Correction to restarting of T308	4.3.0	4.4.0	R2	TEI
25.331	1248	2	R99	F	RP-15	RP-020070	R2-020560	approved	Clarification of the use of T309 during inter-RAT cell reselections	3.9.0	3.10.0	R2	TEI
25.331	1249		Rel-4	A	RP-15	RP-020070	R2-020561	approved	Clarification of the use of T309 during inter-RAT cell reselections	4.3.0	4.4.0	R2	TEI
25.331	1250		R99	F	RP-15	RP-020071	R2-020274	approved	Measurement Corrections	3.9.0	3.10.0	R2	TEI
25.331	1251		Rel-4	A	RP-15	RP-020071	R2-020465	approved	Measurement Corrections	4.3.0	4.4.0	R2	TEI
25.331	1252	1	R99	F	RP-15	RP-020071	R2-020466	revised	Existence of TFCI bits	3.9.0		R2	TEI

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25.331	1252	2	R99	F	RP-15	RP-020239	-	approved	Existence of TFCI bits	3.9.0	3.10.0	R2	TEI
25.331	1253		Rel-4	A	RP-15	RP-020071	R2-020467	revised	Existence of TFCI bits	4.3.0		R2	TEI
25.331	1253	1	Rel-4	A	RP-15	RP-020239	-	approved	Existence of TFCI bits	4.3.0	4.4.0	R2	TEI
25.331	1254		Rel-4	F	RP-15	RP-020082	R2-020277	approved	Various ASN.1 Corrections	4.3.0	4.4.0	R2	TEI4
25.331	1257	1	R99	F	RP-15	RP-020071	R2-020468	approved	Corrections of inconsistency between procedural description, tabular and ASN.1	3.9.0	3.10.0	R2	TEI
25.331	1258		Rel-4	A	RP-15	RP-020071	R2-020469	approved	Corrections of inconsistency between procedural description, tabular and ASN.1	4.3.0	4.4.0	R2	TEI
25.331	1259	1	R99	F	RP-15	RP-020071	R2-020471	approved	Corrections to Expiration Time Factor and Expiration Time formula for SIB 7 and SIB 14	3.9.0	3.10.0	R2	TEI
25.331	1260		Rel-4	A	RP-15	RP-020071	R2-020472	approved	Corrections to Expiration Time Factor and Expiration Time formula for SIB 7 and SIB 14	4.3.0	4.4.0	R2	TEI
25.331	1261	1	R99	F	RP-15	RP-020071	R2-020473	approved	Corrections to Reporting Cell Status	3.9.0	3.10.0	R2	TEI
25.331	1262		Rel-4	A	RP-15	RP-020071	R2-020562	approved	Corrections to Reporting Cell Status	4.3.0	4.4.0	R2	TEI
25.331	1267	2	R99	F	RP-15	RP-020071	R2-020547	approved	Correction to inter frequency measurements	3.9.0	3.10.0	R2	TEI
25.331	1268		Rel-4	A	RP-15	RP-020071	R2-020548	approved	Correction to inter frequency measurements	4.3.0	4.4.0	R2	TEI
25.331	1270	1	R99	F	RP-15	RP-020071	R2-020474	approved	Actions at reception of system information block type 1	3.9.0	3.10.0	R2	TEI
25.331	1271		Rel-4	A	RP-15	RP-020071	R2-020475	approved	Actions at reception of system information block type 1	4.3.0	4.4.0	R2	TEI
25.331	1272	2	R99	F	RP-15	RP-020071	R2-020476	approved	Tx diversity and no diversity in the same active set	3.9.0	3.10.0	R2	TEI
25.331	1273		Rel-4	A	RP-15	RP-020071	R2-020477	approved	Tx diversity and no diversity in the same active set	4.3.0	4.4.0	R2	TEI
25.331	1274	1	R99	F	RP-15	RP-020071	R2-020478	approved	Correction to cell update	3.9.0	3.10.0	R2	TEI
25.331	1275		Rel-4	A	RP-15	RP-020071	R2-020479	approved	Correction to cell update	4.3.0	4.4.0	R2	TEI
25.331	1276		R99	F	RP-15	RP-020071	R2-020301	approved	Successful and unsuccessful procedures	3.9.0	3.10.0	R2	TEI
25.331	1277		Rel-4	A	RP-15	RP-020071	R2-020480	approved	Successful and unsuccessful procedures	4.3.0	4.4.0	R2	TEI
25.331	1278	1	R99	F	RP-15	RP-020072	R2-020482	approved	Measurement related corrections	3.9.0	3.10.0	R2	TEI
25.331	1279		Rel-4	A	RP-15	RP-020072	R2-020563	approved	Measurement related corrections	4.3.0	4.4.0	R2	TEI
25.331	1280	2	R99	F	RP-15	RP-020072	R2-020483	approved	Clarifications on Event 1D	3.9.0	3.10.0	R2	TEI
25.331	1281		Rel-4	A	RP-15	RP-020072	R2-020564	approved	Clarifications on Event 1D	4.3.0	4.4.0	R2	TEI
25.331	1282	4	R99	F	RP-15	RP-020074	R2-020582	revised	Security corrections	3.9.0		R2	TEI
25.331	1282	5	R99	F	RP-15	RP-020205		approved	Security corrections	3.9.0	3.10.0	R2	TEI
25.331	1283		Rel-4	A	RP-15	RP-020074	R2-020583	revised	Security corrections	4.3.0		R2	TEI
25.331	1283	1	Rel-4	A	RP-15	RP-020205		approved	Security corrections	4.3.0	4.4.0	R2	TEI
25.331	1284		R99	F	RP-15	RP-020072	R2-020305	approved	Transition from CELL_DCH to CELL_FACH state	3.9.0	3.10.0	R2	TEI
25.331	1285		Rel-4	A	RP-15	RP-020072	R2-020484	approved	Transition from CELL_DCH to CELL_FACH state	4.3.0	4.4.0	R2	TEI
25.331	1286		R99	F	RP-15	RP-020072	R2-020306	approved	Corrections and clarifications of Radio link timing	3.9.0	3.10.0	R2	TEI
25.331	1287		Rel-4	A	RP-15	RP-020072	R2-020485	approved	Corrections and clarifications of Radio link timing	4.3.0	4.4.0	R2	TEI
25.331	1288	1	R99	F	RP-15	RP-020072	R2-020486	approved	Spare values in ASN.1	3.9.0	3.10.0	R2	TEI
25.331	1289		Rel-4	A	RP-15	RP-020072	R2-020487	approved	Spare values in ASN.1	4.3.0	4.4.0	R2	TEI

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25.331	1290		Rel-4	F	RP-15	RP-020082	R2-020310	approved	Handover from UTRAN failure	4.3.0	4.4.0	R2	TEI4
25.331	1291	1	Rel-5	B	RP-15	RP-020085	R2-020553	approved	Radio link timing	4.3.0	5.0.0	R2	RANimp-RLTA
25.331	1293	1	R99	F	RP-15	RP-020072	R2-020488	approved	Actions on reception of measurement related IEs	3.9.0	3.10.0	R2	TEI
25.331	1294		Rel-4	A	RP-15	RP-020072	R2-020489	approved	Actions on reception of measurement related IEs	4.3.0	4.4.0	R2	TEI
25.331	1295	1	R99	C	RP-15	RP-020159	R2-020490	revised	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.9.0		R2	TEI
25.331	1295	2	R99	C	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	3.9.0	3.10.0	R2	TEI
25.331	1296		Rel-4	A	RP-15	RP-020159	R2-020491	revised	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.3.0		R2	TEI
25.331	1296	1	Rel-4	A	RP-15	RP-020231		approved	Removal of channel coding option “no coding” for FDD and 3.84 Mcps TDD	4.3.0	4.4.0	R2	TEI
25.331	1297	1	R99	F	RP-15	RP-020072	R2-020492	approved	Timing Indication when moving to CELL_DCH state	3.9.0	3.10.0	R2	TEI
25.331	1298		Rel-4	A	RP-15	RP-020072	R2-020493	approved	Timing Indication when moving to CELL_DCH state	4.3.0	4.4.0	R2	TEI
25.331	1305	2	Rel-5	B	RP-15	RP-020094	R2-020557	approved	Introduction of HSDPA	4.3.0	5.0.0	R2	HSDPA-L23
25.331	1306	1	R99	F	RP-15	RP-020072	R2-020440	approved	Correction to processing RB mapping info	3.9.0	3.10.0	R2	TEI
25.331	1307		Rel-4	A	RP-15	RP-020072	R2-020495	approved	Correction to processing RB mapping info	4.3.0	4.4.0	R2	TEI
25.331	1312	1	R99	F	RP-15	RP-020072	R2-020496	approved	RRC Connection Release following network authentication failure	3.9.0	3.10.0	R2	TEI
25.331	1313		Rel-4	A	RP-15	RP-020072	R2-020497	approved	RRC Connection Release following network authentication failure	4.3.0	4.4.0	R2	TEI
25.331	1316		R99	F	RP-15	RP-020072	R2-020338	approved	Clarification on serving cell in SIB11	3.9.0	3.10.0	R2	TEI
25.331	1317		Rel-4	A	RP-15	RP-020072	R2-020499	approved	Clarification on serving cell in SIB11	4.3.0	4.4.0	R2	TEI
25.331	1318	1	R99	F	RP-15	RP-020073	R2-020500	approved	Treatment of optional elements in RB control messages	3.9.0	3.10.0	R2	TEI
25.331	1319		Rel-4	A	RP-15	RP-020073	R2-020501	approved	Treatment of optional elements in RB control messages	4.3.0	4.4.0	R2	TEI
25.331	1322		R99	F	RP-15	RP-020073	R2-020344	approved	Procedure Performance for TDD UL physical Channel Control	3.9.0	3.10.0	R2	TEI
25.331	1323		Rel-4	A	RP-15	RP-020073	R2-020502	approved	Procedure Performance for TDD UL physical Channel Control	4.3.0	4.4.0	R2	TEI
25.331	1328	1	R99	C	RP-15	RP-020159	R2-020504	withdrawn	Removal of Tx Diversity Closed loop mode 2 from R'99 only	3.9.0		R2	TEI
25.331	1330	4	R99	F	RP-15	RP-020219	-	withdrawn	Clarification to physical channel establishment criteria	3.9.0		R2	TEI
25.331	1330	5	R99	F	RP-15	RP-020224	-	revised	Clarification to physical channel establishment criteria	3.9.0		R2	TEI
25.331	1330	6	R99	F	RP-15	RP-020248	-	approved	Clarification to physical channel establishment criteria	3.9.0	3.10.0	R2	TEI
25.331	1331	1	Rel-4	A	RP-15	RP-020250	-	approved	Clarification to physical channel establishment	4.3.0	4.4.0	R2	TEI

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									criteria				
25.331	1332	2	R99	F	RP-15	RP-020073	R2-020565	revised	OTDOA Assistance Data	3.9.0		R2	TEI
25.331	1332	3	R99	F	RP-15	RP-020217		revised	OTDOA assistance data	3.9.0		R2	TEI
25.331	1332	4	R99	F	RP-15	RP-020247		approved	OTDOA assistance data	3.9.0	3.10.0	R2	TEI
25.331	1333		Rel-4	A	RP-15	RP-020073	R2-020566	revised	OTDOA Assistance Data	4.3.0		R2	TEI
25.331	1333	1	Rel-4	A	RP-15	RP-020249		approved	OTDOA Assistance Data	4.3.0	4.4.0	R2	TEI
25.331	1334	2	R99	C	RP-15	RP-020159	R2-020567	withdrawn	Removal of Power control DPC Mode 1 from R99 only	3.9.0		R2	TEI
25.331	1335		Rel-4	F	RP-15	RP-020082	R2-020364	approved	Corrections to indicate that SIB 14 is not used by 1.28 TDD	4.3.0	4.4.0	R2	LCRTDD-L23
25.331	1336	2	R99	F	RP-15	RP-020073	R2-020568	approved	Retransmission of uplink direct transfer at RLC re-establishment and inter-RAT change	3.9.0	3.10.0	R2	TEI
25.331	1337		Rel-4	A	RP-15	RP-020073	R2-020569	approved	Retransmission of uplink direct transfer at RLC re-establishment and inter-RAT change	4.3.0	4.4.0	R2	TEI
25.331	1338	1	R99	F	RP-15	RP-020073	R2-020511	approved	Correction to IE “UL interference” for UTRA TDD	3.9.0	3.10.0	R2	TEI
25.331	1339		Rel-4	A	RP-15	RP-020073	R2-020512	approved	Correction to IE “UL interference” for UTRA TDD	4.3.0	4.4.0	R2	TEI
25.331	1342	3	R99	F	RP-15	RP-020074	R2-020572	approved	Corrections of UE Positioning requirements	3.9.0	3.10.0	R2	TEI
25.331	1343		Rel-4	A	RP-15	RP-020074	R2-020573	approved	Corrections of UE Positioning requirements	4.3.0	4.4.0	R2	TEI
25.331	1344	1	R99	C	RP-15	RP-020074	R2-020549	approved	Multimode speech in default configurations	3.9.0	3.10.0	R2	TEI
25.331	1345		Rel-4	A	RP-15	RP-020074	R2-020550	approved	Multimode speech in default configurations	4.3.0	4.4.0	R2	TEI
25.331	1346	1	R99	F	RP-15	RP-020073	R2-020513	approved	Correction to UE Id for DSCH	3.9.0	3.10.0	R2	TEI
25.331	1347		Rel-4	A	RP-15	RP-020073	R2-020570	approved	Correction to UE Id for DSCH	4.3.0	4.4.0	R2	TEI
25.331	1348	3	R99	F	RP-15	RP-020073	R2-020515	approved	Corrections to support combined Cell/URA update and SRNS relocation	3.9.0	3.10.0	R2	TEI
25.331	1349		Rel-4	A	RP-15	RP-020073	R2-020438	approved	Corrections to support combined Cell/URA update and SRNS relocation	4.3.0	4.4.0	R2	TEI
25.331	1350	1	R99	F	RP-15	RP-020073	R2-020516	approved	Number of UTRAN and Inter-RAT frequencies	3.9.0	3.10.0	R2	TEI
25.331	1351		Rel-4	A	RP-15	RP-020073	R2-020517	approved	Number of UTRAN and Inter-RAT frequencies	4.3.0	4.4.0	R2	TEI
25.331	1352	1	R99	F	RP-15	RP-020073	R2-020519	approved	Abortion of signalling connection establishment	3.9.0	3.10.0	R2	TEI
25.331	1353		Rel-4	A	RP-15	RP-020073	R2-020520	approved	Abortion of signalling connection establishment	4.3.0	4.4.0	R2	TEI
25.331	1354	1	R99	F	RP-15	RP-020078	R2-020521	withdrawn	Introduction of interim test marker RRC	3.9.0		R2	TEI
25.331	1355	1	Rel-4	A	RP-15	RP-020078	R2-020571	withdrawn	Introduction of interim test marker RRC	4.3.0		R2	TEI
25.331	1356		Rel-4	F	RP-15	RP-020082	R2-020444	withdrawn	Clarification on ICS version within UE radio access capabilities	4.3.0		R2	TEI4
25.331	1357	1	R99	F	RP-15	RP-020073	R2-020523	approved	Modification of GPS timing representation to avoid large integers	3.9.0	3.10.0	R2	TEI
25.331	1358		Rel-4	A	RP-15	RP-020073	R2-020524	approved	Modification of GPS timing representation to avoid large integers	4.3.0	4.4.0	R2	TEI
25.331	1359	1	R99	F	RP-15	RP-020074	R2-020506	approved	Additional TFCS selection guidelines	3.9.0	3.10.0	R2	TEI
25.331	1360		Rel-4	A	RP-15	RP-020074	R2-020578	approved	Additional TFCS selection guidelines	4.3.0	4.4.0	R2	TEI
25.331	1361		R99	F	RP-15	RP-020074	R2-020546	approved	Clarification of layer 3 filtering of measurements in the UE	3.9.0	3.10.0	R2	TEI
25.331	1362		Rel-4	A	RP-15	RP-020074	R2-020575	approved	Clarification of layer 3 filtering of measurements in the UE	4.3.0	4.4.0	R2	TEI

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25.331	1363		R99	F	RP-15	RP-020210	R2-020591	approved	Improved readability of procedural text	3.9.0	3.10.0	R2	TEI
25.331	1364		Rel-4	A	RP-15	RP-020210	R2-020592	approved	Improved readability of procedural text	4.3.0	4.4.0	R2	TEI
25.331	1365	-	R99	F	RP-15	RP-020228		approved	Clarification on ICS version within UE radio access capabilities	3.9.0	3.10.0	R2	TEI
25.331	1366	-	Rel-4	A	RP-15	RP-020228		approved	Clarification on ICS version within UE radio access capabilities	4.3.0	4.4.0	R2	TEI
25.331	1367	-	R99	F	RP-15	RP-020233	-	approved	Clarification of Maximum number of TFC in the TFCS	3.9.0	3.10.0	R2	TEI
25.331	1368	-	Rel-4	A	RP-15	RP-020233		approved	Clarification of Maximum number of TFC in the TFCS	4.3.0	4.4.0	R2	TEI
25.331	1369	-	R99	F	RP-15	RP-020238		approved	Support of UP measurement reporting in CELL_PCH/URA_PCH	3.9.0	3.10.0	R2	TEI
25.331	1370	-	Rel-4	A	RP-15	RP-020238		approved	Support of UP measurement reporting in CELL_PCH/URA_PCH	4.3.0	4.4.0	R2	TEI
25.401	039	2	Rel-5	B	RP-15	RP-020190	R3-020795	approved	HSDPA Additions for REL-5	5.1.0	5.0.0	R3	HSDPA-Iublur
25.401	042	-	R99	F	RP-15	RP-020221	R3-020473	approved	New UE identifier for MAC-c/sh multiplexing for DSCH	3.8.0	3.9.0	R3	TEI
25.401	042		R99	F	RP-15	RP-020162	R3-020473	revised	New UE identifier for MAC-c/sh multiplexing for DSCH	3.8.0		R3	TEI
25.401	043	-	Rel-4	A	RP-15	RP-020221	R3-020474	approved	New UE identifier for MAC-c/sh multiplexing for DSCH	4.2.0	4.3.0	R3	TEI
25.401	043		Rel-4	A	RP-15	RP-020162	R3-020474	revised	New UE identifier for MAC-c/sh multiplexing for DSCH	4.2.0		R3	TEI
25.401	044	2	Rel-5	B	RP-15	RP-020189	R3-020861	approved	Introduction of IP Transport in UTRAN	5.1.0	5.2.0	R3	ETRAN-IPTRANS
25.401	045	1	Rel-5	B	RP-15	RP-020257		approved	NNSF Functional Description	5.1.0	5.0.0	R3	IUFLEX
25.401	045	1	Rel-5	B	RP-15	RP-020195	R3-020628	revised	NNSF Functional Description	5.1.0		R3	IUFLEX
25.401	046	-	Rel-5	A	RP-15	RP-020221	R3-020900	approved	New UE identifier for MAC-c/sh multiplexing for DSCH	5.1.0	5.2.0	R3	TEI
25.402	032		Rel-5	B	RP-15	RP-020191	R3-020451	approved	Node B synchronisation for 1.28Mcps TDD	4.3.0	5.0.0	R3	RANimp-NBSLCR
25.402	033		R99	F	RP-15	RP-020163	R3-020605	approved	Clarification on the DPCH frame offset	3.8.0	3.9.0	R3	TEI
25.402	034		Rel-4	A	RP-15	RP-020163	R3-020606	approved	Clarification on the DPCH frame offset	4.3.0	4.4.0	R3	TEI
25.410	032	3	Rel-5	B	RP-15	RP-020189	R3-020881	approved	Introduction of IP transport option in UTRAN	4.3.0	5.0.0	R3	ETRAN-IPTRANS
25.410	036	1	Rel-5	B	RP-15	RP-020257		approved	NNSF Impacts upon the Iu Interface Connectivity	4.3.0	5.0.0	R3	IUFLEX
25.410	036	1	Rel-5	B	RP-15	RP-020195	R3-020629	revised	NNSF Impacts upon the Iu Interface Connectivity	4.3.0		R3	IUFLEX
25.411	009	1	Rel-5	B	RP-15	RP-020189	R3-020843	approved	IP transport modifications to TS 25.411	4.1.0	5.0.0	R3	ETRAN-IPTRANS
25.412	010	3	Rel-5	B	RP-15	RP-020189	R3-020876	approved	Introduction of IP Transport option in UTRAN	4.0.0	5.0.0	R3	ETRAN-IPTRANS
25.413	401		R99	F	RP-15	RP-020164	R3-020320	approved	Question regarding SRNS Context Transfer and SRNS Data Forwarding Initiation	3.8.0	3.9.0	R3	TEI
25.413	402		Rel-4	A	RP-15	RP-020164	R3-020321	approved	Question regarding SRNS Context Transfer and SRNS Data Forwarding Initiation	4.3.0	4.4.0	R3	TEI
25.413	404	3	Rel-5	B	RP-15	RP-020208	R3-020735	postponed	addition of the ROHC context relocation during SRNS relocation	4.3.0		R3	RANimp-RABSE5

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25.413	405	1	Rel-5	B	RP-15	RP-020207	R3-020632	postponed	Signalling enhancements for GERAN Iu Mode LCS	4.3.0		R3	LCS-GERAN
25.413	406		R99	F	RP-15	RP-020164	R3-020360	approved	Intersystem Change and inter-system Handover corrections	3.8.0	3.9.0	R3	TEI
25.413	407		Rel-4	A	RP-15	RP-020164	R3-020361	approved	Intersystem Change and inter-system Handover corrections	4.3.0	4.4.0	R3	TEI
25.413	408		Rel-4	F	RP-15	RP-020179	R3-020364	approved	Requirements on user plane initialisation moved to 25.415	4.3.0	4.4.0	R3	TEI
25.413	409	2	Rel-5	B	RP-15	RP-020188	R3-020736	approved	Transport Layer Address at RAB modification	4.3.0	5.0.0	R3	TEI
25.413	417		R99	F	RP-15	RP-020164	R3-020500	approved	RAB Modification Parameters	3.8.0	3.9.0	R3	TEI
25.413	418		Rel-4	A	RP-15	RP-020164	R3-020501	approved	RAB Modification Parameters	4.3.0	4.4.0	R3	TEI
25.413	419	3	Rel-5	B	RP-15	RP-020189	R3-020866	approved	Introduction of IP Transport option in UTRAN	4.3.0	5.0.0	R3	ETRAN-IPTRANS
25.413	421	1	R99	F	RP-15	RP-020164	R3-020616	approved	Delivery of erroneous SDUs	3.8.0	3.9.0	R3	TEI
25.413	422	1	Rel-4	A	RP-15	RP-020164	R3-020617	approved	Delivery of erroneous SDUs	4.3.0	4.4.0	R3	TEI
25.413	423	2	R99	F	RP-15	RP-020164	R3-020704	approved	Handling of Global RNC-ID in Reset and Reset resource	3.8.0	3.9.0	R3	TEI
25.413	424	2	Rel-4	A	RP-15	RP-020164	R3-020703	approved	Handling of Global RNC-ID in Reset and Reset resource	4.3.0	4.4.0	R3	TEI
25.413	425	2	R99	F	RP-15	RP-020164	R3-020705	approved	RABs concerned by contexts transfer	3.8.0	3.9.0	R3	TEI
25.413	426	2	Rel-4	A	RP-15	RP-020164	R3-020729	approved	RABs concerned by contexts transfer	4.3.0	4.4.0	R3	TEI
25.413	428	3	Rel-5	B	RP-15	RP-020188	R3-020893	approved	Implementation of Handover/Relocation Solution for Inter-RAN Load Information Exchange between RAN and GERAN for Rel'5	4.3.0	5.0.0	R3	TEI
25.413	429	1	Rel-4	F	RP-15	RP-020179	R3-020693	approved	Correction to LCS Vertical Accuracy Code IE	4.3.0	4.4.0	R3	TEI
25.413	431	1	Rel-5	B	RP-15	RP-020257		approved	NNSF Functional Description	4.3.0	5.0.0	R3	IUFLEX
25.413	431	1	Rel-5	B	RP-15	RP-020195	R3-020630	revised	NNSF Functional Description	4.3.0		R3	IUFLEX
25.413	432		Rel-4	A	RP-15	RP-020164	R3-020635	approved	Alignment of definition of Guaranteed Bitrate with 25.415	4.3.0	4.4.0	R3	TEI
25.413	433		R99	F	RP-15	RP-020164	R3-020634	approved	Alignment of definition of Guaranteed Bitrate with 25.415	3.8.0	3.9.0	R3	TEI
25.413	434	2	R99	F	RP-15	RP-020184	R3-020731	withdrawn	Inclusion of "Age of Location IE into LOCATION REPORT"	3.8.0		R3	TEI
25.413	434	4	R99	F	RP-15	RP-020262		approved	Inclusion of Last Know Service Area IE group into LOCATION REPORT	3.8.0	3.9.0	R3	TEI
25.413	435	2	Rel-4	C	RP-15	RP-020185	R3-020732	revised	Inclusion of Last Know Service Area IE group into LOCATION REPORT	4.3.0		R3	TEI
25.413	435	3	Rel-4	A	RP-15	RP-020184	R3-020899	withdrawn	Inclusion of "Age of Location IE into LOCATION REPORT"	4.3.0		R3	TEI
25.413	435	3	Rel-4	C	RP-15	RP-020260		revised	Inclusion of Last Know Service Area IE group into LOCATION REPORT	4.3.0		R3	TEI
25.413	435	4	Rel-4	C	RP-15	RP-020262		approved	Inclusion of Last Know Service Area IE group into LOCATION REPORT	4.3.0	4.4.0	R3	TEI
25.413	436	2	Rel-5	B	RP-15	RP-020186	R3-020733	withdrawn	Inclusion of "Age of Location IE into LOCATION REPORT"	4.3.0		R3	TEI

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25.414	030	3	Rel-5	B	RP-15	RP-020189	R3-020882	approved	Introduction of IP transport option in UTRAN	4.2.0	5.0.0	R3	ETRAN-IPTRANS
25.414	031		R99	F	RP-15	RP-020165	R3-020370	approved	AAL5 used to transport IP packet for Broadcast Domain	3.9.0	3.10.0	R3	TEI
25.414	032		Rel-4	A	RP-15	RP-020165	R3-020371	approved	AAL5 used to transport IP packet for Broadcast Domain	4.2.0	4.3.0	R3	TEI
25.415	092		Rel-4	F	RP-15	RP-020180	R3-020368	approved	Inclusion and extension of requirements removed from RANAP spec.	4.3.0	4.4.0	R3	TEI
25.415	093		Rel-4	F	RP-15	RP-020180	R3-020369	approved	Support mode for predefined SDU sizes version 1 in REL4	4.3.0	4.4.0	R3	TEI
25.415	094		Rel-4	F	RP-15	RP-020180	R3-020512	approved	Time based frame numbering	4.3.0	4.4.0	R3	TEI
25.415	095	1	Rel-5	B	RP-15	RP-020189	R3-020842	approved	Introduction of IP Transport option in UTRAN	4.3.0	5.0.0	R3	ETRAN-IPTRANS
25.415	098	2	R99	F	RP-15	RP-020166	R3-020730	approved	Rate Control Correction	3.9.0	3.9.0	R3	TEI
25.415	102		Rel-4	F	RP-15	RP-020180	R3-020609	approved	Removal of mechanism that violates Core Network principles	4.3.0	4.4.0	R3	TEI
25.419	081		R99	F	RP-15	RP-020167	R3-020372	approved	Correction of the value Default in Category IE	3.7.0	3.8.0	R3	TEI
25.419	082		Rel-4	A	RP-15	RP-020167	R3-020373	approved	Correction of the value Default in Category IE	4.3.0	4.4.0	R3	TEI
25.419	083	1	R99	F	RP-15	RP-020167	R3-020622	approved	Correction of the wording of maximum value	3.7.0	3.8.0	R3	TEI
25.419	084	1	Rel-4	A	RP-15	RP-020167	R3-020623	approved	Correction of the wording of maximum value	4.3.0	4.4.0	R3	TEI
25.419	085		R99	F	RP-15	RP-020167	R3-020376	approved	Service expected from the transport layer	3.7.0	3.8.0	R3	TEI
25.419	086		Rel-4	A	RP-15	RP-020167	R3-020377	approved	Service expected from the transport layer	4.3.0	4.4.0	R3	TEI
25.419	087	1	R99	F	RP-15	RP-020167	R3-020624	approved	ASN.1 take precedence if contradiction between ASN.1 and tabular	3.7.0	3.8.0	R3	TEI
25.419	088	1	Rel-4	A	RP-15	RP-020167	R3-020625	approved	ASN.1 take precedence if contradiction between ASN.1 and tabular	4.3.0	4.4.0	R3	TEI
25.419	089	1	R99	F	RP-15	RP-020167	R3-020626	approved	Mismatch the type of some IE between 24.419 and 25.324	3.7.0	3.8.0	R3	TEI
25.419	090	1	Rel-4	A	RP-15	RP-020167	R3-020627	approved	Mismatch the type of some IE between 24.419 and 25.324	4.3.0	4.4.0	R3	TEI
25.419	091		R99	F	RP-15	RP-020167	R3-020492	approved	Correction of the usage of Write-Replace Failure message	3.7.0	3.8.0	R3	TEI
25.419	092		Rel-4	A	RP-15	RP-020167	R3-020493	approved	Correction of the usage of Write-Replace Failure message	4.3.0	4.4.0	R3	TEI
25.419	093		R99	F	RP-15	RP-020167	R3-020494	approved	Error Indication correction	3.7.0	3.8.0	R3	TEI
25.419	094		Rel-4	A	RP-15	RP-020167	R3-020495	approved	Error Indication correction	4.3.0	4.4.0	R3	TEI
25.420	023	1	Rel-5	B	RP-15	RP-020190	R3-020715	approved	HSDPA Additions for REL-5	4.1.0	5.0.0	R3	HSDPA-Iublur
25.420	024	4	Rel-5	B	RP-15	RP-020189	R3-020883	approved	Introduction of IP transport to UTRAN	4.1.0	5.0.0	R3	ETRAN-IPTRANS
25.420	025	1	R99	F	RP-15	RP-020168	R3-020607	approved	SCCP Connection Release Initiated by RNC in Abnormal case	3.4.0	3.5.0	R3	TEI
25.420	026	1	Rel-4	A	RP-15	RP-020168	R3-020608	approved	SCCP Connection Release Initiated by RNC in Abnormal case	4.1.0	4.2.0	R3	TEI
25.422	011	1	Rel-5	B	RP-15	RP-020189	R3-020823	approved	Introduction of IP transport in UTRAN	4.1.0	5.0.0	R3	ETRAN-IPTRANS
25.423	433	4	Rel-5	C	RP-15	RP-020188	R3-020749	approved	Power Balancing Activation with Radio Link Setup and Radio Link Addition procedures in RNSAP	4.3.0	5.0.0	R3	TEI

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25.423	434	3	Rel-5	C	RP-15	RP-020188	R3-020751	approved	Power Balancing Restart with Radio Link Reconfiguration procedure in RNSAP	4.3.0	5.0.0	R3	TEI
25.423	473	2	Rel-5	B	RP-15	RP-020188	R3-020269	approved	Traffic class signalling over Iur	4.3.0	5.0.0	R3	TEI
25.423	506	2	Rel-5	B	RP-15	RP-020188	R3-020522	approved	Alignment to RAN4 specifications for CPICH Ec/No	4.3.0	5.0.0	R3	TEI5
25.423	541	3	R99	F	RP-15	RP-020169	R3-020894	approved	RNSAP signalling support for flexible split	3.8.0	3.9.0	R3	TEI
25.423	542	3	Rel-4	A	RP-15	RP-020169	R3-020895	approved	RNSAP signalling support for flexible split	4.3.0	4.4.0	R3	TEI
25.423	543	3	Rel-5	B	RP-15	RP-020194	R3-020820	approved	RNSAP Signalling support for flexible hard split	4.3.0	5.0.0	R3	RInImp-DSCHhsp
25.423	544	2	Rel-5	B	RP-15	RP-020193	R3-020761	approved	Add IPDL TDD parameters for LCR in RNSAP information element functional definition and contents	4.3.0	5.0.0	R3	LCS-128Pos
25.423	545	1	Rel-4	F	RP-15	RP-020181	R3-020658	approved	Corrections to the Information Exchange Initiation procedure	4.3.0	4.4.0	R3	LCS1-UEPos-IubIur
25.423	546	1	Rel-4	F	RP-15	RP-020181	R3-020671	approved	Correction to UE position measurements quality and threshold information	4.3.0	4.4.0	R3	LCS1-UEPos-IubIur
25.423	547	1	Rel-4	F	RP-15	RP-020181	R3-020661	approved	Correction to UE position measurements change and deviation limit formulas	4.3.0	4.4.0	R3	LCS1-UEPos-IubIur
25.423	548	1	R99	F	RP-15	RP-020169	R3-020652	approved	Setting of Initial power in a new CCTrCH in TDD	3.8.0	3.9.0	R3	TEI
25.423	549	1	Rel-4	A	RP-15	RP-020169	R3-020653	approved	Setting of Initial power in a new CCTrCH in TDD	4.3.0	4.4.0	R3	TEI
25.423	551	1	R99	F	RP-15	RP-020169	R3-020651	approved	Removal of obsolete IMSI from ASN.1	3.8.0	3.9.0	R3	TEI
25.423	552		Rel-4	F	RP-15	RP-020181	R3-020385	approved	Re-ordering of cause values	4.3.0	4.4.0	R3	TEI
25.423	553	1	Rel-5	B	RP-15	RP-020192	R3-020747	approved	Introduction of cell capability container over Iur	4.3.0	5.0.0	R3	RANimp-RRMopt-ncr
25.423	554	2	Rel-5	C	RP-15	RP-020213	R3-020785	postponed	Introduction of Qth signalling in UTRAN	4.3.0		R3	RANimp-SSDT
25.423	555	2	Rel-5	B	RP-15	RP-020189	R3-020872	approved	Introduction of the IP Transport option into RNSAP	4.3.0	5.0.0	R3	ETRAN-IPTRANS
25.423	556	1	Rel-5	B	RP-15	RP-020197	R3-020742	approved	Iur Common Transport Channel Efficiency Optimisation	4.3.0	5.0.0	R3	RANimp-RRMopt-ctc
25.423	558		Rel-5	B	RP-15	RP-020188	R3-020408	approved	RNSAP Reset procedure	4.3.0	5.0.0	R3	TEI
25.423	559		R99	F	RP-15	RP-020169	R3-020411	approved	Clarification to measurement unit at Higher Layer Filtering.	3.8.0	3.9.0	R3	TEI
25.423	560		Rel-4	A	RP-15	RP-020169	R3-020413	approved	Clarification to measurement unit at Higher Layer Filtering.	4.3.0	4.4.0	R3	TEI
25.423	561		Rel-4	F	RP-15	RP-020181	R3-020414	approved	Clarification to the Allowed Rate Information in RL Setup/Addition/Reconfiguration response and RL Reconfiguration Ready messages.	4.3.0	4.4.0	R3	TEI
25.423	562	1	Rel-4	F	RP-15	RP-020181	R3-020776	approved	Modification of the T_utran-gps length	4.3.0	4.4.0	R3	TEI
25.423	563	2	Rel-5	B	RP-15	RP-020199	R3-020812	approved	Separation of Resource Reservation and Radio Link Activation	4.3.0	5.0.0	R3	RANimp-SepRR
25.423	564		Rel-5	B	RP-15	RP-020196	R3-020437	approved	Introduction of RL Timing Adjustment support	4.3.0	5.0.0	R3	RANimp-RLTA
25.423	567		Rel-4	F	RP-15	RP-020181	R3-020445	approved	Amendment of the COMMON MEASUREMENT INITIATION REQUEST message	4.3.0	4.4.0	R3	TEI
25.423	568	1	Rel-5	B	RP-15	RP-020193	R3-020764	approved	Introduction of the Neighbouring TDD Cell Measurement Information LCR	4.3.0	5.0.0	R3	LCS-128Pos
25.423	569	1	Rel-5	B	RP-15	RP-020188	R3-020748	approved	Uplink SIR Target in RL Setup Response TDD	4.3.0	5.0.0	R3	TEI

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25.423	570	3	Rel-5	B	RP-15	RP-020190	R3-020884	approved	HSDPA RL-Level Signalling	4.3.0	5.0.0	R3	HSDPA-Iublur
25.423	571	1	Rel-5	B	RP-15	RP-020193	R3-020766	approved	Introduction of Angle of Arrival enhanced positioning for 1.28Mcps TDD in RNSAP	4.3.0	5.0.0	R3	LCS-128Pos
25.423	572	2	Rel-5	B	RP-15	RP-020188	R3-020828	approved	Traffic class signalling for USCH	4.3.0	5.0.0	R3	TEI
25.423	573	2	R99	F	RP-15	RP-020169	R3-020804	approved	New UE identifier for MAC-c/sh multiplexing for DSCH	3.8.0	3.9.0	R3	TEI
25.423	574	2	Rel-4	A	RP-15	RP-020169	R3-020805	approved	New UE identifier for MAC-c/sh multiplexing for DSCH	4.3.0	4.4.0	R3	TEI
25.423	576	2	Rel-4	F	RP-15	RP-020181	R3-020768	approved	Load Value Extension	4.3.0	4.4.0	R3	RANimp-RRMopt
25.423	577	4	Rel-5	B	RP-15	RP-020188	R3-020819	approved	New Measurement Type in Common Measurements	4.3.0	5.0.0	R3	TEI
25.423	580	1	R99	F	RP-15	RP-020169	R3-020645	approved	Correction to physical channels which SCTD can be applied (Iur)	3.8.0	3.9.0	R3	TEI
25.423	581	1	Rel-4	A	RP-15	RP-020169	R3-020646	approved	Correction to physical channels which SCTD can be applied (Iur)	4.3.0	4.4.0	R3	TEI
25.423	582	3	Rel-5	B	RP-15	RP-020194	R3-020789	approved	RNSAP changes for TFCI power control in DSCH hard split mode	4.3.0	5.0.0	R3	RInImp-DSCHhsp
25.423	585	1	R99	F	RP-15	RP-020187	R3-020647	withdrawn	Removing of channel coding option "no coding" for FDD and 3.84Mcps TDD	3.8.0		R3	TEI
25.423	585	2	R99	F	RP-15	RP-020231		approved	Removing of channel coding option "no coding" for FDD and 3.84Mcps TDD	3.8.0	3.9.0	R3	TEI
25.423	586	1	Rel-4	A	RP-15	RP-020187	R3-020648	withdrawn	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD RNSAP R4	4.3.0		R3	TEI
25.423	586	2	Rel-4	A	RP-15	RP-020231		approved	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD RNSAP R4	4.3.0	4.4.0	R3	TEI
25.423	587	1	Rel-5	B	RP-15	RP-020188	R3-020754	approved	Introduction of cell relation parameter	4.3.0	5.0.0	R3	TEI
25.423	588		Rel-4	F	RP-15	RP-020181	R3-020664	approved	The correction on duplicated allocatioin of protocolIE-ID	4.3.0	4.4.0	R3	TEI
25.423	589		Rel-4	F	RP-15	RP-020181	R3-020676	approved	Enhanced DSCH and syntax error ASN.1 correction	4.3.0	4.4.0	R3	TEI
25.423	596	1	Rel-4	F	RP-15	RP-020181	R3-020806	approved	Introduction of ellipses for IPDL parameters	4.3.0	4.4.0	R3	TEI
25.424	014		R99	F	RP-15	RP-020171	R3-020415	withdrawn	Alignment of 25.424 to 25.426	3.7.0		R3	TEI
25.424	015		Rel-4	A	RP-15	RP-020171	R3-020416	withdrawn	Alignment of 25.424 to 25.426	4.1.0		R3	TEI
25.424	016		R99	F	RP-15	RP-020171	R3-020423	withdrawn	Correction to transport bearers release initiation	3.7.0		R3	TEI
25.424	017		Rel-4	A	RP-15	RP-020171	R3-020424	withdrawn	Correction to transport bearers release initiation	4.1.0		R3	TEI
25.424	018		R99	F	RP-15	RP-020171	R3-020427	approved	Alignment of 25.424 to 25.426 and Correction to transport bearers release initiation	3.7.0	3.8.0	R3	TEI
25.424	019		Rel-4	A	RP-15	RP-020171	R3-020428	approved	Alignment of 25.424 to 25.426 and Correction to transport bearers release initiation	4.1.0	4.2.0	R3	TEI
25.424	020	1	Rel-5	B	RP-15	RP-020189	R3-020824	approved	Introduction of IP transport in UTRAN	4.1.0	5.0.0	R3	ETRAN-IPTRANS
25.425	044	2	Rel-5	B	RP-15	RP-020190	R3-020794	approved	HSDPA Frame Protocol	4.2.0	5.0.0	R3	HSDPA-Iublur
25.425	045		R99	F	RP-15	RP-020172	R3-020707	approved	Transport Bearer replacement for the USCH	3.6.0	3.7.0	R3	TEI
25.425	046		Rel-4	A	RP-15	RP-020172	R3-020708	approved	Transport Bearer replacement for the USCH	4.2.0	4.3.0	R3	TEI
25.426	020	1	R99	F	RP-15	RP-020173	R3-020594	approved	Correction to transport bearers release initiation	3.7.0	3.8.0	R3	TEI

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25.426	021	1	Rel-4	A	RP-15	RP-020173	R3-020595	approved	Correction to transport bearers release initiation	4.1.0	4.2.0	R3	TEI
25.426	022	2	Rel-5	B	RP-15	RP-020189	R3-020865	approved	Introduction of IP transport option in UTRAN	4.1.0	5.0.0	R3	ETRAN-IPTRANS
25.427	082	1	Rel-5	B	RP-15	RP-020194	R3-020780	approved	DCH FP changes for TFCI power control in DSCH hard split mode	4.3.0	5.0.0	R3	RInImp-DSCHhsp
25.430	028		Rel-5	B	RP-15	RP-020198	R3-020343	approved	Communication Control Port Re-selection	4.2.0	5.0.0	R3	RANimp-TTPS
25.430	029	2	Rel-5	B	RP-15	RP-020190	R3-020796	approved	HSDPA Additions for REL-5	4.2.0	5.0.0	R3	HSDPA-Iublur
25.430	030	1	Rel-5	B	RP-15	RP-020189	R3-020840	approved	Introduction of IP Transport option in UTRAN	4.2.0	5.0.0	R3	ETRAN-IPTRANS
25.432	001	2	Rel-5	B	RP-15	RP-020189	R3-020877	approved	Introduction of IP Transport UTRAN	4.0.0	5.0.0	R3	ETRAN-IPTRANS
25.433	425	4	Rel-5	B	RP-15	RP-020188	R3-020521	approved	DL Power Capability as a shared resource between Cells	4.3.0	5.0.0	R3	TEI5
25.433	496	4	Rel-5	C	RP-15	RP-020188	R3-020750	approved	Power Balancing Activation with Radio Link Setup and Radio Link Addition procedures in NBAP	4.3.0	5.0.0	R3	TEI
25.433	497	3	Rel-5	C	RP-15	RP-020188	R3-020752	approved	Power Balancing Restart with Radio Link Reconfiguration procedure in NBAP	4.3.0	5.0.0	R3	TEI
25.433	502	2	Rel-5	B	RP-15	RP-020188	R3-020353	approved	Initial DL Power Per CCTrCH	4.3.0	5.0.0	R3	TEI
25.433	583		Rel-5	B	RP-15	RP-020194	R3-020778	approved	NBAP Signalling support for flexible hard split	4.3.0	5.0.0	R3	RInImp-DSCHhsp
25.433	584	3	Rel-5	B	RP-15	RP-020193	R3-020857	approved	Add IPDL parameters for LCR TDD in CELL SETUP REQUEST and CELL RECONFIGURATION REQUEST in NBAP message.	4.3.0	5.0.0	R3	LCS-128Pos
25.433	585	1	Rel-4	F	RP-15	RP-020182	R3-020657	approved	Corrections to the Information Exchange Initiation procedure	4.3.0	4.4.0	R3	LCS1-UEPos-Iublur
25.433	586	1	Rel-4	F	RP-15	RP-020182	R3-020670	approved	Correction to UE position measurements quality and threshold information	4.3.0	4.4.0	R3	LCS1-UEPos-Iublur
25.433	587	1	Rel-4	F	RP-15	RP-020182	R3-020660	approved	Correction to UE position measurements change and deviation limit formulas	4.3.0	4.4.0	R3	LCS1-UEPos-Iublur
25.433	588	1	Rel-5	B	RP-15	RP-020198	R3-020739	approved	Re-arrangement of Iub Transport Bearers	4.3.0	5.0.0	R3	RANimp-TTPS
25.433	589	2	Rel-5	B	RP-15	RP-020190	R3-020792	approved	HSDPA NBAP Common Procedure Modifications	4.3.0	5.0.0	R3	HSDPA-Iublur
25.433	590	1	R99	F	RP-15	RP-020174	R3-020896	approved	Incorrect Physical Shared Channel TDD Procedure definition	3.8.0	3.9.0	R3	TEI
25.433	591		Rel-4	A	RP-15	RP-020174	R3-020358	approved	Incorrect Physical Shared Channel TDD Procedure definition in ASN.1	4.3.0	4.4.0	R3	TEI
25.433	592	1	R99	F	RP-15	RP-020174	R3-020654	approved	Removal of criticality information for Transaction ID in the ERROR INDICATION message	3.8.0	3.9.0	R3	TEI
25.433	593		Rel-4	A	RP-15	RP-020174	R3-020384	approved	Removal of criticality information for Transaction ID in the ERROR INDICATION message	4.3.0	4.4.0	R3	TEI
25.433	595	2	Rel-5	C	RP-15	RP-020213	R3-020786	postponed	Introduction of Qth signalling in UTRAN	4.3.0		R3	RANimp-SSDT
25.433	597	2	Rel-5	B	RP-15	RP-020189	R3-020873	approved	Introduction of the IP Transport option into NBAP	4.3.0	5.0.0	R3	ETRAN-IPTRANS
25.433	598		Rel-5	B	RP-15	RP-020188	R3-020409	approved	Introduction separate max PDSCH power limitation	4.3.0	5.0.0	R3	TEI
25.433	599		R99	F	RP-15	RP-020174	R3-020410	approved	Clarification to measurement unit at Higher	3.8.0	3.9.0	R3	TEI

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									Layer Filtering.				
25.433	600		Rel-4	A	RP-15	RP-020174	R3-020412	approved	Clarification to measurement unit at Higher Layer Filtering.	4.3.0	4.4.0	R3	TEI
25.433	601	1	Rel-4	F	RP-15	RP-020182	R3-020777	approved	Modification of the T_utran-gps length	4.3.0	4.4.0	R3	TEI
25.433	602	2	Rel-5	B	RP-15	RP-020199	R3-020811	approved	Separation of Resource Reservation and Radio Link Activation	4.3.0	5.0.0	R3	RANimp-SepRR
25.433	603		Rel-5	B	RP-15	RP-020196	R3-020436	approved	Introduction of RL Timing Adjustment support	4.3.0	5.0.0	R3	RANimp-RLTA
25.433	604		R99	F	RP-15	RP-020174	R3-020443	approved	Correction of the Limited Power Increase in Synchronised Radio Link Reconfiguration Preparation	3.8.0	3.9.0	R3	TEI
25.433	605		Rel-4	A	RP-15	RP-020174	R3-020444	approved	Correction of the Limited Power Increase in Synchronised Radio Link Reconfiguration Preparation	4.3.0	4.4.0	R3	TEI
25.433	606		Rel-4	F	RP-15	RP-020182	R3-020446	approved	Amendment of the COMMON MEASUREMENT INITIATION REQUEST message	4.3.0	4.4.0	R3	TEI
25.433	607	1	Rel-5	B	RP-15	RP-020193	R3-020765	approved	Introduction of the Neighbouring TDD Cell Measurement Information LCR	4.3.0	5.0.0	R3	LCS-128Pos
25.433	608	2	Rel-5	B	RP-15	RP-020191	R3-020888	approved	Node B synchronisation for 1.28Mcps TDD	4.3.0	5.0.0	R3	RANimp-NBSLCR
25.433	609	1	Rel-4	F	RP-15	RP-020182	R3-020681	approved	ASN.1 and tabular amendments for LCR TDD	4.3.0	4.4.0	R3	TEI
25.433	610		Rel-4	F	RP-15	RP-020182	R3-020455	approved	Midamble shift LCR in the PHYSICAL SAHRED SCHANNEL RECONFIGURATION REQUEST [TDD] message	4.3.0	4.4.0	R3	TEI
25.433	612	3	Rel-5	B	RP-15	RP-020190	R3-020885	approved	HSDPA RL-Level Signalling for TDD & FDD	4.3.0	5.0.0	R3	HSDPA-Iublur
25.433	613	1	Rel-5	B	RP-15	RP-020193	R3-020767	approved	Introduction of Angle of Arrival enhanced positioning for 1.28Mcps TDD in NBAP	4.3.0	5.0.0	R3	LCS-128Pos
25.433	617		Rel-4	F	RP-15	RP-020182	R3-020520	approved	NBAP Rapporteur corrections	4.3.0	4.4.0	R3	TEI
25.433	622	1	R99	F	RP-15	RP-020174	R3-020643	approved	Correction to physical channels which SCTD can be applied (Iub)	3.8.0	3.9.0	R3	TEI
25.433	623	1	Rel-4	A	RP-15	RP-020174	R3-020644	approved	Correction to physical channels which SCTD can be applied (Iub)	4.3.0	4.4.0	R3	TEI
25.433	626		Rel-5	B	RP-15	RP-020194	R3-020542	approved	NBAP changes for TFCI power control in DSCH hard split mode	4.3.0	5.0.0	R3	RInImp-DSCHhsp
25.433	627	1	R99	F	RP-15	RP-020187	R3-020649	withdrawn	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R99	3.8.0		R3	TEI
25.433	627	2	R99	F	RP-15	RP-020231		approved	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R99	3.8.0	3.9.0	R3	TEI
25.433	628	1	Rel-4	A	RP-15	RP-020187	R3-020650	withdrawn	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R4	4.3.0		R3	TEI
25.433	628	2	Rel-4	A	RP-15	RP-020231		approved	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R4	4.3.0	4.4.0	R3	TEI
25.434	015		R99	F	RP-15	RP-020175	R3-020417	withdrawn	Alignment of 25.434 to 25.426	3.6.0		R3	TEI
25.434	016		Rel-4	A	RP-15	RP-020175	R3-020418	withdrawn	Alignment of 25.434 to 25.426	4.2.0		R3	TEI
25.434	017	1	R99	F	RP-15	RP-020175	R3-020596	withdrawn	Correction to transport bearers release initiation	3.6.0		R3	TEI
25.434	018	1	Rel-4	A	RP-15	RP-020175	R3-020597	withdrawn	Correction to transport bearers release initiation	4.2.0		R3	TEI

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.434	019	1	R99	F	RP-15	RP-020175	R3-020598	approved	Alignment of 25.434 to 25.426 and Correction to transport bearers release initiation	3.6.0	3.7.0	R3	TEI
25.434	020	1	Rel-4	A	RP-15	RP-020175	R3-020599	approved	Alignment of 25.434 to 25.426 and Correction to transport bearers release initiation	4.2.0	4.3.0	R3	TEI
25.434	021	5	Rel-5	B	RP-15	RP-020189	R3-020878	approved	Introduction of IP Transport UTRAN	4.2.0	5.0.0	R3	ETRAN-IPtrans
25.435	075	1	Rel-5	B	RP-15	RP-020190	R3-020570	approved	HSDPA Frame Protocol	4.3.0	5.0.0	R3	HSDPA-Iublur
25.435	076	1	R99	F	RP-15	RP-020223	R3-020834	approved	Transport Bearer replacement for the USCH	3.9.0	3.10.0	R3	TEI
25.435	077	1	Rel-4	A	RP-15	RP-020176	R3-020835	revised	Transport Bearer replacement for the USCH	4.3.0		R3	TEI
25.435	077	2	Rel-4	A	RP-15	RP-020223		approved	Transport Bearer replacement for the USCH	4.3.0	4.4.0	R3	TEI
25.442	002	1	Rel-5	B	RP-15	RP-020189	R3-020836	approved	Introduction of IP transport option in UTRAN	4.0.0	5.0.0	R3	ETRAN-IPTRANS
25.453	016		Rel-5	F	RP-15	RP-020211	R3-020673	approved	Modification on the Object Identifier	5.2.0	5.3.0	R3	LCS-INTF
25.921	038		R99	F	RP-15	RP-020075	R2-020276	approved	Additional guidelines on ASN.1 comments	3.6.0	3.7.0	R2	TEI
25.921	039		Rel-4	A	RP-15	RP-020075	R2-020525	approved	Additional guidelines on ASN.1 comments	4.3.0	4.4.0	R2	TEI
25.921	040		R99	F	RP-15	RP-020075	R2-020537	approved	RRC specific rules for procedure text	3.6.0	3.7.0	R2	TEI
25.921	041		Rel-4	A	RP-15	RP-020075	R2-020574	approved	RRC specific rules for procedure text	4.3.0	4.4.0	R2	TEI
25.922	019		R99	F	RP-15	RP-020076	R2-020308	approved	Clarification regarding the transfer of RRC information across interfaces other than Uu	3.6.0	3.7.0	R2	TEI
25.922	020		Rel-4	A	RP-15	RP-020076	R2-020526	approved	Clarification regarding the transfer of RRC information across interfaces other than Uu	4.1.0	4.2.0	R2	TEI
25.922	021		R99	F	RP-15	RP-020076	R2-020346	approved	Correction to TDD DCA Description	3.6.0	3.7.0	R2	TEI
25.922	022		Rel-4	A	RP-15	RP-020076	R2-020527	approved	Correction to TDD DCA Description	4.1.0	4.2.0	R2	TEI
25.931	014		R99	F	RP-15	RP-020177	R3-020307	approved	Corrections and updates	3.5.0	3.6.0	R3	TEI
25.931	015		Rel-4	A	RP-15	RP-020177	R3-020308	approved	Corrections and updates	4.2.0	4.3.0	R3	TEI
25.931	016	1	R99	F	RP-15	RP-020177	R3-020602	approved	DSCH-related additions to Handover scenarios	3.5.0	3.6.0	R3	TEI
25.931	017	1	Rel-4	A	RP-15	RP-020177	R3-020603	approved	DSCH-related additions to Handover scenarios	4.2.0	4.3.0	R3	TEI
25.935	002		Rel-4	F	RP-15	RP-020183	R3-020672	approved	Description of causes of DRNS congestion	4.0.0	4.1.0	R3	RRM-Opt
34.109	011		R99	F	RP-15	RP-020077	R2-020398	approved	Clarifications of UE conformance test functions	3.4.0	3.5.0	R2	TEI
34.109	012		Rel-4	A	RP-15	RP-020077	R2-020399	approved	Clarifications of UE conformance test functions	4.1.0	4.2.0	R2	TEI

Annex D: Summary of Action Points

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

TSG-RAN WG1

- To consider LS **RP-020107** (**S4-020227**) at the next WG1 meeting.

TSG-RAN WG2

- To consider LS **RP-020107** (**S4-020227**) at the next WG2 meeting.
- To work with WG3 on SMLC-SRNC/Rel-4 UE positioning (discussion on WG3 report **RP-020160**).

TSG-RAN WG3

- To consider LS **RP-020108** (**ITU-T LS 13-35**) at the next WG3 meeting.
- To draft at the next WG3 meeting a WI (including assessment on what work to do in TSG-RAN as opposed to TSG-SA WG5) on the topic of "Interface to control electrical tilting antennas" (postponed WI **RP-010834** of the Kyoto meeting, reminder during discussion on WG3 report **RP-020160**).
- To work with WG2 on SMLC-SRNC/Rel-4 UE positioning (discussion on WG3 report **RP-020160**).
- To correct the reference to 25.133 in TR 25.878 (see **RP-020140**).

TSG-RAN WG4

- To provide test cases for Tx diversity in soft handover (discussion on WG1 report **RP-020044**).
- To consider the need for Node B requirements on support of SSDT for coming releases (discussion on WG1 report **RP-020044**).
- To review the content of the SI sheet for "UE antenna efficienty test methods and requirements" (**RP-020253**).

TSG-RAN Chairman

- To provide **RP-020111** (update reminder for the OPs on the compliance with ITU-R procedures as it relates to the completion of revision of Recommendation ITU-R M.1457) to PCG.
- To send the approved proposal following discussion in the ITU-R Ad Hoc group on **RP-020243** (schedule for updating Recommendation ITU-R M.1457) to PCG.
- To check on the status of the exploder agreed to be set up for 3GPP TSG-RAN and 3GPP2 TSG-C leaders (following the November 2001 East Brunswick harmonisation meeting).
- To inform TSG-SA on the new WI "Shared network support in connected mode" (**RP-020246**) and to request TSG-SA to task TSG-SA WG2 to review the issue and provide information to TSG-RAN WG3 urgently.
- To provide a revision of **RP-020254** on MBMS to TSG-SA.
- To inform TSG-SA on the existence of the CR on TSG-GERAN WI "Location Services for GERAN in Iu Mode" (**RP-020207**) and request information on why there were differences between the GERAN Iu and UTRAN Iu on LCS.

- To inform TSG-RAN of information on timing for completion on Iur-g, if any, from the TSG-SA plenary.
- To inform TSG-SA that the following WIs were not yet complete, but that they were still proposed to be kept for Rel-5:
  - TDD Base Station Classification;
  - Base Station Classification for 1.28 Mcps TDD option;
  - Radio access bearer support enhancement for Rel-5;
  - Support of Site Selection Diversity Transmission;
  - HSDPA (for the RF part).

TSG-RAN WG Chairmen/MCC support

- To ensure that delegates would provide information on test impacts on the cover sheet of CRs.

ITU-R Ad Hoc group

- To discuss **RP-020243** (schedule for updating Recommendation ITU-R M.1457) during the two weeks following TSG-RAN and circulate a proposal on the e-mail exploder for approval in the week following that.

Annex E: Meeting schedule

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

TSG-RAN

Meeting	Date	Host	Location
RAN#17	03 - 06 September 2002	Alcatel	Biarritz, France
RAN#18	03 - 06 December 2002	North American Friends of 3GPP	New Orleans, LA, USA
RAN#19	11 - 14 March 2003	UK Friends of 3GPP	Jersey, Channel Islands (British Isles)
RAN#20	03 - 06 June 2003	Nokia	tbd, Finland
RAN#21	16 - 19 September 2003	Siemens	tbd, Germany
RAN#22	09 - 12 December 2003	ARIB/TTC/NA Friends of 3GPP	tbd, USA

TSG-RAN WG1

Meeting	Date	Host	Location
#27	02 - 05 July 2002	Nokia, Sonera, TAC, Elisa, Finnet	Oulu, Finland
#28	19 - 22 August 2002	North American Friends of 3GPP	Seattle, WA, USA
#29	08 - 11 October 2002	Samsung	tbd, China
#30	?? - ?? January 2003		San Diego, CA, USA (tbc)
#31	?? - ?? February 2003		Japan (tbc)

TSG-RAN WG2

Meeting	Date	Host	Location
#30	24 - 28 June 2002	Omnitel	Torino, Italy
#31	19 - 23 August 2002	Ericsson	Stockholm, Sweden
#32	23 - 27 September 2002	CATT	Xi'an, China
#33	11 - 15 November 2002	ETSI	Sophia Antipolis, France

TSG-RAN WG3

Meeting	Date	Host	Location
#30	24 - 28 June 2002	ETSI	Sophia Antipolis, France
#31	19 - 23 August 2002	Ericsson	Stockholm, Sweden
#32	23 - 27 September 2002	CATT	Xi'an, China
#33	11 - 15 November 2002	ETSI	Sophia Antipolis, France

TSG-RAN WG4

Meeting	Date	Host	Location
#24	12 - 16 August 2002	Nokia	tbd, Finland
#25	11 - 15 November 2002	North American Friends of 3GPP	tbd, USA