

TSG-RAN meeting #12
Stockholm, Sweden, 12-15 June 2001

RP-010281

Title: Draft Report of the 11th TSG-RAN meeting
(Palm Springs, CA, USA, 13-16 March 2001)
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Executive summary

During TSG-RAN #11, a total of 279 documents were handled. For Release '99 403 CRs were submitted, most of which were approved (some after revision) and one TR (25.942 RF System Scenarios) that was approved. This was the first TSG-RAN plenary in which Release 4 CRs (123) were submitted. The CRs for finished WIs were approved. For Release 4 also 2 TSs (25.106 and 25.143) and 18 TRs were approved to version 4.0.0.

Elections were held in which three officials were elected (Francois Courau as Chairman and Don Zelmer and Eisuke Fukuda as Vice-Chairmen).

Two LSs from ITU-T caused some concern on possible inconsistencies with ITU-R. This would be brought up in TSG-SA.

A CR on beamforming was proposed by WG1 for Release 4, but after several revisions a version was approved for Release '99. A CR that had been controversial in WG2 (on integrity of UE security capabilities) caused a lengthy discussion. A revision was eventually approved. A CR on (temporary) regional requirements for test tolerances was approved on condition that a corrective CR would be drafted when the regulations in Japan were changed.

Recommendations were drafted to apply to corrections of Release '99 specifications with a view to backward compatibility.

The ITU-R Ad Hoc group proposed a procedure to enable TSG-RAN to provide necessary material to ITU-R WP 8F for incorporation of updated CDMA DS and TDD in Rec. M.1457 by October 2001. This was endorsed and the ITU-R Ad Hoc group was requested to come with proposals for submission at future TSG-RAN meetings.

Following various Release-related discussions, it was decided that the TSG-RAN WGs should focus on completion dates and quality of the work, not on Releases. Decisions on which Release to propose a WI for would be taken in TSG-RAN, to be discussed in TSG-SA.

It was decided to follow an approach in GSM for release-independency of application of UMTS in different frequency bands and propose this in TSG-SA.

The mandatoriness of CPCH for Release 4 was discussed. CPCH had not been finished yet and further discussion would in principle take place within the scope of Release 5.

Finished WIs Release 4:

- UTRA FDD Repeater Specification
- RRM optimization for Iur and Iub (some of the work tasks only)
- PS-Domain handover for real-time services
- RAB Quality of Service Negotiation over Iu
- RAB Quality of Service Renegotiation over Iu
- RAB Quality of Service Negotiation over Iu during relocation (NEW, approved and finished)
- QoS optimization for AAL type 2 connections over Iub and Iur interfaces
- Transport bearer modification procedure on Iub, Iur, and Iu (renamed from Migration to Modification procedure)
- Transcoder Free Operations in UTRAN

- Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99
- UE positioning enhancements (IPDLs for TDD only)
- Radio access bearer support enhancement (Robust Header Compression only)
- NodeB Synchronisation for TDD
- DSCH power control improvement in soft handover
- Low Chip Rate TDD (feature)

New approved WIs:

- High speed downlink packet access (feature)
- MIMO (RAN#15, linked with HSDPA)
- Enhancement on the DSCH hard split mode (RAN#14)
- Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN (RAN#14)
- Traffic Termination Point Swapping (RAN#14)
- Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel-4 positioning methods (RAN#14)
- UE positioning enhancements for 1.28 Mcps TDD (RAN#14)
- Node B Synchronisation for 1.28 Mcps TDD (RAN#14)
- UMTS 1900 (RAN#13)
- Gated DPCCH Transmission (RAN#13)
- RL Timing Adjustment (RAN#14)
- Separation of resource reservation and radio link activation (RAN#14)

New approved SIs:

- Mitigating the Effect of CPICH Interference at the UE (RAN#13)
- Fast Cell Selection (FCS) for HS-DSCH (RAN#14, linked with HSDPA)
- Improvement of RRM across RNS and RNS/BSS (RAN#13)
- Proposal to introduce the SIR measurement (Principle agreed)

It was decided that several Release 99 TRs would not be migrated to Release 4.

1 Opening of the meeting

Yukitsuna Furuya (Chairman) opened the meeting and Don Zelmer (T1) welcomed the delegates to Palm Springs on behalf of the North American Friends of 3GPP. Don Zelmer (T1) and Shannon Kolka (SK Group) explained the logistics of the meeting.

Yukitsuna Furuya (Chairman) also reminded the delegates of their obligations under the IPR policy.

2 Approval of the agenda

RP-010001 Proposed agenda (Chairman)

Yukitsuna Furuya (Chairman) proposed the agenda for the meeting.

Decision: The agenda was approved.

Election of chairpersons

The election process was spread out over several days during the meeting, but was summarised in this part of the meeting report.

A final call for candidates for the post of Chairman was made on Tuesday morning 13 March after the approval of the agenda. There were two candidates for chairman: Francois Courau (Alcatel) and Denis Fauconnier (Nortel Networks). The candidates introduced themselves.

A volunteer was needed to check the counting of the votes. Don Zelmer (Vice-Chairman) volunteered to perform this task.

The election resulted in the election of Francois Courau (Alcatel) for the position of TSG-RAN Chairman.

After the election, a final call was held for candidates for the two positions of TSG-RAN Vice-Chairman. Don Zelmer (Cingular) and Eisuke Fukuda (Fujitsu) were the candidates for TSG-RAN Vice-Chairman. Since there were two candidates for two positions, both candidates were confirmed in these positions.

Hans van der Veen (Secretary) thanked the departing officials and all candidates for the positions for their efforts in the past two years and for their future commitments, and presented a small present to each of them.

After this, the Chairmen and the available Vice-Chairmen of the WGs introduced themselves to the plenary and stated their commitment.

3 Approval of the meeting report of TSG-RAN Meeting #10

RP-010002 Draft Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000)
(Secretary)

RP-010003 Revised draft Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000) (Secretary)

The revised meeting report of TSG-RAN #10 in RP-010003 had been distributed via the email reflector and was on the server. Compared to the original draft version, there was only an update of the meeting calendar. The meeting calendar would be updated again in the approved version.

Decision: The report was approved. The approved report would be available in RP-010004.

RP-010004 Approved Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000)
(Secretary)

This was the approved report of the TSG-RAN #10 meeting.

4 Liaisons from other groups

4.1 TSG-SA, TSG-T, TSG-CN, TSG-GERAN

4.1.1 TSG-SA and TSG-SA WGs

RP-010008 Draft Report of TSG-SA Idle mode Workshop (Helsinki, Finland, 7 - 8 February 2001) (WS Chairman)

Francois Courau (Vice-Chairman) presented this report.

Discussion: The Workshop's topic had mainly been PLMN selection and cell selection and had involved TSG-CN WG1, TSG-RAN WG2, TSG-SA and TSG-GERAN.

Decision: The report was noted. The necessary work had been done in TSG-RAN WG2.

RP-010009 (S2-002113, to TSG-RAN) LS on Provision of Open Interfaces within the GERAN & UMTS for LCS Support (TSG-SA WG2)

RP-010010 (S2-010373, to TSG-RAN) LS on Withdrawing the SA Work Item on open LCS interfaces (TSG-SA WG2)

Francois Courau (Vice-Chairman) presented this LS.

Discussion: There had been a proposed WI in TSG-SA (RP-010009), but as a result of a Workshop held in January in London, UK on LCS, it was decided that the WI should really be in TSG-RAN. Therefore the original WI was withdrawn (RP-010010). A proposal for a WI was available in RP-010081.

Decision: The LS was noted.

RP-010192 (S3-010136, to TSG-RAN) LS on UE ciphering capabilities (TSG-SA WG3)

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

Discussion: The background was explained. A security risk had been identified that had been exploited in at least one country already. A CR to solve the security problem was proposed in RP-010199, but was contentious in WG2. The issue would be treated in agenda item 5.2.3 with other R'99 CRs for WG2.

Decision: The LS was noted.

RP-010011 (S5-010012, copy TSG-RAN) Response to LS (R3-010304) on Feedback on UTRAN OAM Procedures (TSG-SA WG5)

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

Discussion: This was a response to RP-010014/R3-010304. Furthermore, WG3 had responded to this LS in RP-010196/R3-010928.

Decision: The LS was noted. Work was ongoing in WG3.

4.1.2 TSG-T and TSG-T WGs

RP-010012 (TP-000257, to TSG-RAN) LS on Clarification of the work plan of TSG-T1 for Rel-4 and Rel-5 (TSG-T)

Francois Courau (Vice-Chairman) presented this LS.

Discussion: All WGs needed to look at this proposal. TSG-T WG1 would only create conformance tests if specifically requested to do so. There was concern that the proposed approach could easily lead to a lack of consistency for the testing. It was explained that TSG-T WG1 would take care of core specifications and that

this proposal was for specific issues. A small Ad Hoc group (with Francois Courau (Vice-Chairman) as Ad Hoc Chairman) would investigate the issue to propose a TSG-RAN response.

Decision: The LS was noted. The Chairmen would include the information in the Chairman's report to TSG-SA.

4.1.3 TSG-CN and TSG-CN WGs

There were no LSs from these groups.

4.1.4 TSG-GERAN and TSG-GERAN WGs

There were no LSs from these groups.

4.2 Others (non-RAN)

4.2.1 OP and PCG

There had not been an OP and PCG meeting since the last plenary meeting in Bangkok. The next meeting would take place in April.

4.2.2 ITU-T

RP-010193 Request for information for proposed ITU-T technical report being developed by the special study group on "IMT-2000 and beyond" (ITU-T SSG)

RP-010194 Request for information for proposed ITU-T recommendations being developed by the special study group on "IMT-2000 and beyond" (ITU-T SSG)

The discussion on these documents would need to take place in TSG-SA as co-ordination between the TSGs was necessary. **Also, PCG should be involved in any possible response.** It was also noted that reference to the radio dependent part of the ITU-T LS may lead to conflict with what is also referenced in the ITU-R RSPC.

4.2.4 Others

RP-010198 (BRAN22d115, to TSG-RAN) LS on HIPERACCESS (ETSI EP BRAN)

Yukitsuna Furuya (Chairman) presented this LS.

Discussion: This LS needed to be studied by WG3. WG3 would also provide information to EP BRAN.

Decision: The LS was noted.

4.3 TSG-RAN WGs

4.3.1 TSG-RAN WG1

RP-010195 (R1-010427, copy TSG-RAN) LS on Recommendations on HSDPA (TSG-RAN WG1)

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

Discussion: The contents of this LS had already been taken into account in the TR on HSDPA (RP-010050, Agenda Item 6.6.4) and there was no further need for discussion on the LS.

Decision: The LS was noted.

4.3.2 TSG-RAN WG2

RP-010013(R2-010740, to TSG-RAN) LS on Release 4 UE Support for CPCH (TSG-RAN WG2)

Joe Kwak (GBT) presented this LS.

Discussion: The discussion would take place on the basis of the documents in agenda item 6.11.

Decision: The LS was noted.

4.3.3 TSG-RAN WG3

RP-010014(R3-010304, copy TSG-RAN) LS on Feedback on UTRAN OAM Procedures Work Item (TSG-RAN WG3)

RP-010196(R3-010928, copy TSG-RAN) Response to LS (S5-010012) on UO&M Procedures Work Item (TSG-RAN WG3)

These documents were covered together with RP-010011 in agenda item 4.1.1.

4.3.4 TSG-RAN WG4

RP-010197(R4-010451, to TSG-RAN) LS on 3GPP Vocabulary document TR 21.905 (TSG-RAN WG4)

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

Discussion: Section 2 was agreed. There was a discussion on the terminology "BS", "BTS", and "Node B".

Decision: The LS was noted. The discussion section was endorsed including the Annex. Comments on the terminology should be provided to Howard Benn (TSG-RAN WG4 Chairman). No input was provided. The LS would be forwarded to TSG-SA WG1.

5 Status Report and Approval of contributions - Release '99

Vocabulary documents

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

5.1 TSG-RAN WG1

5.1.1 Report from TSG-RAN WG1

RP-010056 Report from WG1 chairman to TSG-RAN (TSG-RAN WG1 Chairman)

RP-010057 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-010056) and the supplement of agreed CRs (RP-010057).

Presentation:

- General:
 - Release '99 CRs still reducing, down to 42 CRs, 23 for FDD;

- Highest number of papers for High Speed Downlink Packet Access (HSDPA), TR completed for the feasibility study;
- In the last meeting some Rel-5 related papers were not treated due intensive meeting on R'99 and Rel-4 issues;
- Release 4 CRs provided on:
 - Node B synchronisation for TDD, Report in RP-010073;
 - DSCH Power Control in soft handover, Report in RP 010078;
 - Low Chip rate (1.28 Mcps) TDD Physical Layer, Report in RP 010076, TR 25.928 in RP-010068 for approval as requested by TSG RAN#10;
 - UE Positioning enhancements (WG2 leading, to be reported with WG2), CRs on e.g. IPDL for TDD;
 - 1 CR related to beamforming, to be considered as part of RAN Technical Small Enhancements and Improvements WI;
- Release 5 progress:
 - Radio Link Performance Enhancements:
 - The deadline for the conclusions for new TX diversity methods for TSG RAN#12;
 - Work has proceeded on the simulation parameters;
 - If new methods are agreed, a TR will be created;
 - To be addressed in the next WG1;
 - Other topics discussed included:
 - Dynamic TFCI code word division in split mode;
 - On this topic feedback received from other WGs and item to be worked on further.

Discussion:

- It was stated that TSG-RAN WG1 was not negative about the idea of using OFDM for stand-alone for HSDPA, but about the inclusion in the current proposal for HSDPA;
- On Beamforming two CRs were produced, one for R'99 and one mentioned as for Rel-4; this would be discussed later when the CRs would be discussed;
- On DPCCCH gating, it was clarified that not all the discussed issues were reflected in the Chairman's report: SSdT and outer loop power control; this would be discussed when discussing the Status Report on the WI.

Decision: The report was noted.

5.1.2 Discussions on decisions from TSG-RAN WG1

There was no input for this agenda item.

5.1.3 Approval of CRs from TSG-RAN WG1

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010058	25.211	3.5.0	Agreed CRs	approved 1)	3.6.0
RP-010259	25.211	3.5.0	Proposed CR 095r3 to 25.211	withdrawn 2)	-
RP-010269	25.211	3.5.0	Proposed CR 095r3 to 25.211	withdrawn 2)	-
RP-010255	25.211	3.5.0	Proposed CR 095r3 to 25.211	approved 2) 3)	3.6.0

- 1) There were comments on the parameter in CR 096 to 25.211 on Uplink power control preamble. Multi-vendor operation should be supported. The CR was approved, but **WG3 was tasked to study the multi-vendor aspects of this particular parameter and to report on this in the TSG-RAN #12 plenary meeting.** UTRAN OAM procedures should be considered as an option when elaborating any solution, in order to be future-proof.

- 2) Three different revisions of CR 095 (all sourced: Nokia, Ericsson, Panasonic) were provided. The original CR had been proposed for agenda item 6.8 (TEI4). After offline discussions, the revisions in RP-010259 and RP-010269 were **withdrawn**.
- 3) There were possible clarifications on CPCH, but this could be corrected at a future occasion if necessary.
- 4) It was felt premature to remove any options on the combination of beamforming and closed/open loop power control. WG1 would discuss this further.

CRs to TS 25.213: Spreading and modulation (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010059	25.213	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 25.214: FDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010060	25.214	3.5.0	Agreed CRs	approved 1) 2) 3)	3.6.0
RP-010218	25.214	3.5.0	Proposed CR 145r1	replaced 1)	3.6.0
RP-010254	25.214	3.5.0	Proposed CR 145r2	approved	3.6.0
RP-010224	25.214	3.5.0	Proposed CR 154r2	approved	3.6.0

- 1) CR 145 needed to be checked. After some offline discussion, it was **replaced** by CR 145r1 (source: Nokia) in RP-010218. Since some more wording needed to be changed, it was **replaced** by a new revision CR 145r2 (source: Nokia) in RP-010254.
- 2) CR 148 needed to be checked. After offline discussion it was agreed there was no problem. The CR was **approved**.
- 3) CR 154r1 needed to be checked. After some offline discussion, it was **replaced** by CR 154r2 (source: Ericsson, Philips, Nokia) in RP-010224.

CRs to TS 25.215: Measurements (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010061	25.215	3.5.0	Agreed CRs	approved 1)	3.6.0

- 1) CR 081 was linked to CR 148 to 25.214. Based on the discussion on that CR (see above), this CR was also **approved**.

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010062	25.221	3.5.0	Agreed CRs	approved	3.6.0

CRs to TS 25.222: Multiplexing and channel coding (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010063	25.222	3.5.0	Agreed CRs	approved	3.6.0

CRs to TS 25.223: Spreading and modulation (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010064	25.223	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 25.224: TDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010065	25.224	3.5.0	Agreed CRs	approved	3.6.0

CRs to TS 25.225: Measurements (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010066	25.225	3.5.0	Agreed CRs	approved	3.6.0

CRs to TR 25.944: Channel coding and multiplexing examples

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010067	25.944	3.3.0	Agreed CRs	approved	3.4.0

5.2 TSG-RAN WG2

5.2.1 Report from TSG-RAN WG2

RP-010017 Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

RP-010018 Supplement (List of agreed R'99 CRs) to Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

Denis Fauconnier (Chairman TSG-RAN WG2) presented this report (RP-010017) and the supplement of agreed R'99 CRs (RP-010018).

Presentation:

- Release '99:
 - Most corrections are describing aspects which were insufficiently described or unclear;
 - Few actual radio interface modifications;
 - Incorporation of results of TSG-SA Workshop on Idle Mode;- Incorporation of results of TSG-SA Workshop on LCS Architecture;- Release '99 still occupying more than 50% of meeting time, and most of delegates activities;
 - Identified issue for next meetings:
 - Potentially more hard coded pre-configurations;
 - Request from operators for more pre-configurations => some may be added until June; joint activity with RAN WG1;
- Release 4:
 - All Release 4 Work Items under RAN WG2 responsibility are completed;
 - Some CRs on " Technical Enhancements and Improvements for Rel-4";
 - Other WIs:
 - Node B synchronisation;
 - Terminal power saving;
 - DSCH power control improvement in soft handover;
 - New WI proposed "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning";
 - Discussions on DPCCH gating:- When considering radio interface, CELL_FACH from Release '99 is superior to DPCCH gating from terminal saving point of view;
 - Proponents claim that DPCCH gating has important gains on Iub/Iur (signalling load and transition delay) compared to transitions to CELL_FACH;

- LS was sent to WG3 to validate Iub /Iur aspects;- Response from WG3 needed prior to continuation;
- Proposed to be extended until June 2001;
- Proposed WI on Broadcast/multicast services was reviewed:
 - Low impacts expected in RAN specifications; Work should first proceed in TSG-SA WG1 for Service description followed by work in TSG-SA WG2 to define system aspects;- All specifications and reports were reviewed prior to be moved to Release 4:
 - Some editorial CRs were made;
 - All specifications and reports will be moved to release 4 except TR 25.925;
- Chairman's conclusion:
 - R'99 CRs are mostly clarifying uncomplete descriptions. Good progress on RRC, other protocols are stable;
 - Standard quality has already made significant progress. More needed to achieve interoperability level;
 - Release 4 was completed in time, but majority of delegates is still busy with Release '99. This now means more work with duplication of specifications, and maintenance of two releases;
 - Past work has been paying off, Release '99 quality improves, and stability is increasing. Please sustain efforts and keep experts active in WG2.

Discussion:

- It was explained that the status of RRC was stable, but it was also a big, thick document and for interoperability all had to be completely right. For that reason still more CRs could be expected;
- On HSDPA, TSG-RAN WG1 did not take any decision on which release MIMO should be in; no recommendation was made by either WG1 or WG2;
- On preconfigurations, there was a list from TSG-SA WG4 (related to codec configurations) that contained configurations that might be added, but no decisions had been taken on that;
- On the issue of mapping functions, there could be some degradation because of different granularity in WG2 and WG4; maybe new changes were needed; this would be communicated to WG2.

Decision: The report was noted.

5.2.2 Discussions on decisions from TSG-RAN WG2

RP-010199 Proposed CR 676r1 to 25.331 (R'99) on Checking the integrity of UE security capabilities (Nokia)

This CR was controversial in WG2 and TSG-SA WG3 had not responded to the WG2 LS, which is why it was brought in by Nokia.

Discussion: The question was whether there was really a need to make this change. This was something to be confirmed in the TSG-SA plenary (NOTE: later it was decided this would not be raised). The statement from TSG-SA WG3 was ambiguous. Also, there was an alternative solution, using a procedure already in the specification today. That solution had its own advantages and disadvantages compared to the Nokia proposal. Ericsson stated that this was actually a security threat in GSM only, and that the change was extremely late. The first step would be to see if it is acceptable at all to make a change, no matter whether there is a security risk or not. Then, if the answer to that was "yes", the next question was whether the proposed solution was acceptable. Vodafone raised the issue of interoperability, considering that the alternative solution did not have an issue with interoperability. In answer to this, Nokia claimed that there was no problem on interoperability with this CR. Ericsson stated that this CR was an optimisation that should not be done for R'99. It was also clarified that the same breach of security existed in TSG-GERAN and there was a worry about a possible approval of a different approach in TSG-GERAN in the future.

Decision: Ericsson expressed the opinion that it felt this kind of optimisation should not any longer be approved, but considering the discussion it would not stop consensus. Nevertheless, a revision was needed (unrelated to the discussion). This revision was made available as RP-010274.

RP-010200 Proposed CR 064r3 to 25.304 (R'99) on Equivalent PLMN codes (Telia)

As a result of the TSG-CN WG1 meeting held after the last TSG-RAN WG2 meeting, it was identified that a revision of this CR was needed. This is covered in the table for TS 25.304 below.

5.2.3 Approval of CRs from TSG-RAN WG2

CRs to TS 25.301: Radio Interface Protocol Architecture

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010019	25.301	3.6.0	Agreed CRs	approved 1)	3.7.0

- 1) CR 045 was correctly proposed as category F, and the "Editorial" in the title, and the "none" as consequence of not being approved was misleading. There was no problem with the content though, and therefore this CR was also **approved**.

CRs to TS 25.302: Services provided by the Physical Layer

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010020	25.302	3.7.0	Agreed CRs	approved	3.8.0

CRs to TS 25.303: Interlayer Procedures in Connected Mode

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010021	25.303	3.6.0	Agreed CRs	approved	3.7.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010022	25.304	3.5.0	Agreed CRs	approved 1)	3.6.0
RP-010200	25.304	3.5.0	Proposed CR 064r3	approved	3.6.0

- 1) CR 064r2 was not in line with the status in TSG-CN WG1, which had met after the last WG2 meeting. Therefore, CR 064r2 was **replaced** by CR 064r3 (source: Telia, Nortel Networks) in RP-010200.

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010023	25.305	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 25.306: UE Radio Access Capabilities

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010024	25.306	3.0.0	Agreed CRs	approved 1)	3.1.0

- 1) CR 001 might need to be reworded. After offline discussion, it was recognised that although the way the CR was written might be awkward, most of the TS was written in this way, and a lot of discussion had taken place in WG1 that might cause trouble if changes were made to the CR now. For these reasons, CR 001 was **approved**.

CRs to TS 25.321: MAC protocol specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010025	25.321	3.6.0	Agreed CRs	approved 1)	3.7.0

1) CR 066r3 needed to be reviewed. No problems were found. Therefore it was also **approved**.

CRs to TS 25.322: RLC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010026	25.322	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010027	25.323	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.324: Broadcast/Multicast Control BMC

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010028	25.324	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.331: RRC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010029	25.331	3.5.0	Agreed CRs (1)	approved	3.6.0
RP-010030	25.331	3.5.0	Agreed CRs (2)	approved	3.6.0
RP-010031	25.331	3.5.0	Agreed CRs (3)	approved 1)	3.6.0
RP-010032	25.331	3.5.0	Agreed CRs (4)	approved	3.6.0
RP-010199	25.331	3.5.0	Proposed CR 676r1	replaced 2)	-
RP-010274	25.331	3.5.0	Proposed CR 676r2	approved 2)	3.6.0

1) CR 725 needed to be studied more. Although the reason for change contained a reference to CELL_FACH which should be removed, no problems were identified with the contents. With this change to the reason of change, it was **approved**.

2) See the discussion in agenda item 5.2.2.

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010033	25.921	3.2.0	Agreed CRs	approved	3.3.0

CRs to TR 25.922: Radio Resource Management Strategies

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010034	25.922	3.4.0	Agreed CRs	approved	3.5.0

CRs to TR 25.925: Radio Interface for Broadcast/Multicast Services

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010035	25.925	3.3.0	Agreed CRs	approved	3.4.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010036	34.109	3.2.0	Agreed CRs	approved	3.3.0

5.3 TSG-RAN WG3

5.3.1 Report from TSG-RAN WG3

RP-010105 Report from WG3 chairman to TSG-RAN (TSG-RAN WG3 Chairman)

This document was replaced by R2-010204.

RP-010204 Report from WG3 chairman to TSG-RAN (TSG-RAN WG3 Chairman)

RP-010106 List of Agreed CRs from WG3 (MCC)

Martin Israelsson (Chairman TSG-RAN WG3) presented this report (RP-010105) and the supplement of agreed CRs (RP-010106).

Presentation:

- WG3 had mainly focused on R'99 correction and Rel-4 aspects;
- Around 200 CRs were proposed. 139 were R'99 CRs and 61 were Rel-4 CRs;
- Several Ad Hoc on Rel-4 aspects such as IP transport, Q2630.2 aspects and UE positioning were held;
- Most of Rel-4 WIs have been conducted to a satisfying level of completion except for:
 - RAB support enhancement;
 - Some Worktask of RRM Optimisation on Iur/Iub. Some of them were cancelled, others were proposed to be continued in Rel-5;
 - Improved support of inter-frequency/system measurements;
 - Hybrid ARQ;
 - Support for multiple CCTrCHs;
 - Improved common DL channel for CELL_FACH state;
 - Candidate enhancements for RL performance;
 - USTS (Iur/Iub aspects);
 - Highspeed DL packet access study;
 - IP Transport in UTRAN;

Discussion:

- The work task "PROCEDURE PARALLELISM ON IUB/IUR" had originally been an offshoot of a larger WI which had seemed a good idea at the time. On further investigation it was decided that there was no need for this work task;
- A CR on terminal power saving was missing from the document.

Decision: The report was noted.

5.3.2 Discussions on decisions from TSG-RAN WG3

There was no input for this agenda item.

5.3.3 Approval of CRs from TSG-RAN WG3

CRs to TS 25.401: UTRAN Overall Description

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010107	25.401	3.5.0	Agreed CRs	approved 1)	3.6.0

- 1) CR 020r1 contained a definition and should be forwarded to TSG-SA WG1 for information and incorporation in the vocabulary report TS 21.905.

CRs to TS 25.402: Synchronisation in UTRAN Stage 2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010108	25.402	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 25.411: UTRAN Iu interface Layer 1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010109	25.411	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.413: UTRAN Iu interface RANAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010110	25.413	3.4.0	Agreed CRs (1)	approved 1)	3.5.0
RP-010111	25.413	3.4.0	Agreed CRs (2)	approved	3.5.0

- 1) CR 246 should be category F. With this change it was approved.

CRs to TS 25.414: UTRAN Iu interface data transport & transport signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010112	25.414	3.6.0	Agreed CRs	approved	3.7.0

CRs to TS 25.415: UTRAN Iu interface user plane protocols

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010113	25.415	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010114	25.419	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.420: UTRAN Iur Interface: General Aspects and Principles

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010115	25.420	3.2.0	Agreed CRs	approved	3.3.0

CRs to TS 25.421: UTRAN Iur Interface Layer 1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010116	25.421	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.423: UTRAN Iur interface RNSAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010117	25.423	3.4.0	Agreed CRs (1)	approved 1)	3.5.0
RP-010118	25.423	3.4.0	Agreed CRs (2)	approved	3.5.0

1) CR 304r1 was related to a CR in WG1 on TDD Tx Diversity that had not been agreed in WG1. Therefore this CR could not be approved at this meeting and was **postponed**.

CRs to TS 25.424: UTRAN Iur interface data transport & transport signalling for CCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010119	25.424	3.5.0	Agreed CRs	approved	3.6.0

CRs to TS 25.425: UTRAN Iur interface user plane protocols for CCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010120	25.425	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.426: UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010121	25.426	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010122	25.427	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010123	25.430	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 25.431: UTRAN Iub Interface Layer 1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010124	25.431	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.433: NBAP specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010125	25.433	3.4.1	Agreed CRs (1)	approved	3.5.0
RP-010126	25.433	3.4.1	Agreed CRs (2)	approved	3.5.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010127	25.434	3.4.0	Agreed CRs	approved	3.5.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010128	25.435	3.5.0	Agreed CRs	approved	3.6.0

CRs to TR 25.853: Delay Budget within the Access Stratum

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010129	25.853	3.0.0	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010130	25.931	3.2.0	Agreed CRs	approved 1)	3.3.0

1) CR 008r1 was a category B because it was an additional example. It should have TSG-RAN WG3 as source. With this change the CR was **approved**.

Reports from WG3 for information

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-010169	30.531	0.8.8	Workplan	noted	0.8.8

5.4 TSG-RAN WG4

5.4.1 Report from TSG-RAN WG4

RP-010084 Status Report for Release 99 specifications (TSG-RAN WG4 Chairman)

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

Presentation:

- Number and magnitude of corrections to the BTS and UE Release 99 specifications were reducing, and yet again significant progress has been made on the RRM documents;
- More corrections to the RRM documents should be expected at RAN #12;
- Operators present in the meeting continued to request more detailed simulations to study the effect of compressed mode. Simulations presented so far show a 15 – 75 % reduction in capacity when compressed mode is active, however no consensus was reached on the number of mobiles typically in compressed mode, this had a major effect on capacity loss. Further work to look at the distribution of mobiles had also been requested;

Discussion:

- WG4 felt it was not feasible to add requirements for the 500 km/hour case. It was proposed to inform TSG-SA WG1 about this and TSG-RAN was asked to endorse this.

Decision: The report was noted. The proposal on the 500 km/hour case was endorsed.

5.4.2 Discussions on decisions from TSG-RAN WG4

RP-010083 Regional requirements on Test Tolerances (ARIB)

Eisuke Fukuda (ARIB) presented this document.

Discussion: Because of the time required for a change in regulations in Japan, there would be a limited period where TSG-RAN WG4 specifications would not be in line with the regulations in Japan. Since in PCG it had been decided that the 3GPP specifications should always be a superset of all regional regulations,

it was requested to give guidance to TSG-RAN WG4 on agreeing a CR to cover the intermediate period. It was clarified that roaming of UEs that were type-approved in another region would be allowed in Japan, but that UEs to be sold in Japan should satisfy Japanese regulations. It was also stated that it was understood by the Japanese delegates that as soon as the Japanese government has changed its regulations, which it was in the process of doing, a corrective CR would be drafted to undo the changes that were needed temporarily. It was also stated that this issue was a different one from the reason for having one technical specification for the terminal covering all regional regulatory requirements, since it required a terminal to undergo two different tests for different regions. WG4 requested to have guidance from PCG on temporary requirements.
Decision: The document was noted.

RP-010250 Proposed CR to 25.141 on Regional requirements for Test Tolerances (ARIB)

This document was replaced by RP-010268.

RP-010268 Proposed CR to 25.141 on Regional requirements for Test Tolerances (ARIB)

Eisuke Fukuda (ARIB) presented this document.

Discussion: There should be a CR number.

Decision: The CR was approved. The CR number was CR 083.

5.4.3 Approval of CRs from TSG-RAN WG4

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010085	25.101	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010086	25.102	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010087	25.104	3.5.0	Agreed CRs	approved	3.6.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010088	25.105	3.5.0	Agreed CRs	approved	3.6.0

CRs to TS 25.113: Base station EMC

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010089	25.113	3.4.0	Agreed CRs	approved	3.5.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010090	25.123	3.4.0	Agreed CRs	approved 1)	3.5.0

- 1) CR 036 was for Release 4 and this CR had been included by accident. A decision on this CR was therefore not taken here. The decision on CR 036 could therefore be found in Agenda Item 6.6.7 (document RP-010101 on Node B Synchronisation).

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010091	25.133	3.4.0	Agreed CRs	approved	3.5.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010092	25.141	3.4.1	Agreed CRs	approved 1)	3.5.0
RP-010268	25.141	3.4.1	Proposed CR 083	approved 2)	3.5.0

- 1) CR 074 had not been agreed in WG4 and was therefore **withdrawn**.
 2) See discussion in agenda item 5.4.2.

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010093	25.142	3.4.0	Agreed CRs	approved	3.5.0

CRs to TS 34.124: Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010094	34.124	3.2.0	Agreed CRs	approved	3.3.0

Reports from WG4 for approval

Tdoc	Agreed as spec	Presented as version	Title	Result	Final version
RP-010220	25.942	2.3.2	RF System Scenarios	approved 1)	3.0.0

- 1) Omnitel was thanked heartily for taking good care of this document in the period when it was not yet under change control.

5.5 ITU Ad Hoc

RP-010185 Status Report (ITU-R Ad Hoc contact person)

Gary Jones (Voicestream) presented this report.

Discussion: Instead of providing 25.990 to ITU-R, 21.905 should be provided as this had replaced 25.990.

Decision: The report was noted.

RP-010186 Procedure to enable TSG RAN to provide necessary material to ITU-R WP 8F for incorporation of updated CDMA DS and TDD in Rec. M.1457 by Oct'01 (Ericsson, Nokia, TILab, VoiceStream)

Gary Jones (Voicestream) presented this report.

Discussion: This was the result of a long discussion over the past few months on how to handle updates to RSPC. Preliminary material had been provided by 3GPP2 and 3GPP (HSDPA, which ITU-R WP 8F would like to see a change of acronym for). A graphical time plan was included to assist TSG-RAN and the TSG-RAN WGs in the necessary preparations. It was planned that the ITU-R Ad Hoc group would draft the initial input to be provided shortly before TSG-RAN #12, to be commented by the WGs. A very similar procedure was proposed for the TSG-RAN #13 meeting in preparation for WP8F's meeting in Tokyo (10-16 October 2001). The intention of this procedure was to relieve the WGs from most of the overhead associated with the input that needs to be provided to ITU-R WP8F. It was asked how the action plan took into account the 3GPP-internal timing. Specifically, HSDPA was not the only WI, and it would not be finished in September. It was clarified that the importance was mainly to show progress to the outside world, that high-speed data was a focal point for ITU-R WP8F, but that other new features should also be shown to ITU-R. It was clarified that HSDPA was a SI for Release 4, and it would result in a number of Release 5 WIs such as Hybrid ARQ which might cause confusion. It was clarified that 5.X.1 (as referenced in the 3GPP Work Plan) would contain an overview (to be approved by 3GPP) and 5.X.2 would contain references. Concern was expressed about the timing constraints that seemed to be put on 3GPP by ITU-R. This was acknowledged, but it was clarified that the SG8 group in ITU-R only met once every two years, and that not complying with those time lines would mean a delay of two years.

Decision: The document was noted. The procedure contained in the document was approved. The ITU-R Ad Hoc Group was requested to come with a proposal for submission to ITU-R WP8F for future TSG-RAN meetings, on the understanding that "HSDPA - other aspects" would actually contain what was ready at the time. Nicola Magnani (TILab) was reconfirmed as ITU-R Ad Hoc contact person for the next two-year term.

6 Release 4 and beyond

Important:

It was decided in TSG-RAN that the TSG-RAN WGs should focus on completion dates and quality of the work, not on Releases. Decisions on which Release to propose a WI for would be taken in TSG-RAN, to be discussed in TSG-SA.

General

RP-010202 Work Plan - version March 9th (MCC)

This document was replaced by RP-010230.

RP-010230 Work Plan (MCC)

The document was for information.

RP-010201 MCC review of the Work Plan (MCC)

Hans van der Veen (Secretary) presented this document.

Discussion: On slide 10 (LCR TDD testing) it was commented that work had started already. It was also asked if it was possible that a WI was still in Release 4 even if it had not been finished yet. It was necessary to take a general decision on this in TSG-RAN and TSG-SA. On slide 8, for Terminal Power Saving, there were CRs that had been finished in WG3 which were not included in the presentation.

Decision: The document was noted. It was decided that for WIs the WGs shall concentrate on completion dates, not on Releases.

RP-010015 Work Item sheets - latest situation (Secretary)

This document was replaced by R2-010203.

RP-010203 Work Item sheets - latest situation (Secretary)

Decisions per Work Item:

1. *Low chip rate TDD option.*
This WI had finished and would be moved to the "history" document.
2. *Base station classification.*
The milestones might need to be changed (TSG-RAN #13 for FDD and TSG-RAN #12 for TDD).
3. *FDD Base station classification.*
The milestones needed to be changed to TSG-RAN #13.
4. *TDD Base station classification.*
The milestones needed to be changed to TSG-RAN #12.
5. *UE positioning in UTRA TDD.*
Replaced by 34. and 35.
6. *UE positioning in UTRA FDD.*
Replaced by 34. and 35.
7. *Hybrid ARQ II/III.*
No changes were required to the WI sheet. Therefore the WI sheet was re-endorsed.
8. *NodeB Synchronisation for TDD.*
The WI sheet would be moved to the "historic" document.
9. *UTRA FDD Repeater Specification.*
Since this WI was considered complete and ready for Rel-4, the WI sheet would be moved to a separate document for "historic" reference. This would be done for all completed WIs
10. *QoS optimization for AAL type 2 connections over Iub and Iur interfaces.*
The WI sheet would be moved to the "historic" document.
11. *Terminal power saving features.*
The WI sheet would be revised for the next plenary, taking into account discussions to be held between WG1, WG2, WG3 in their co-located meeting in May.
12. *PS-Domain handover for real-time services.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
13. *RAB Quality of Service Negotiation/Renegotiation over Iu.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
14. *RRM optimizations for Iur and Iub.*
This work item sheet would be provided for the "historic" document and a fresh WI sheet would be started to see this as a building block. A WI sheet would also be provided for the work task that was identified already.
15. *Radio access bearer support enhancement.*
The ROHC part was finished and would be removed from the WI sheet (stored in the "historic" document). Completion date for the WI as a whole (building block) would be TSG-RAN #14. Completion dates for specific enhancements needed to be reviewed.
16. *Improvement of inter-frequency and inter-system measurements.*
No changes were required to the WI sheet. Therefore the WI sheet was re-endorsed.
17. *Improved usage of downlink resource in FDD for CCTrCHs of dedicated type.*
No changes were required to the WI sheet. Therefore the WI sheet was re-endorsed.
18. *IP Transport in UTRAN.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.

19. *Transcoder Free Operations in UTRAN*
The WI sheet would be moved to the "historic" document, pending the result of the feature in TSG-CN.
20. *Evolution of the transport in the UTRAN.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
21. *Radio Interface Improvement Feature.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
22. *RAN Improvement Feature.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
23. *UE Positioning.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
24. *Void.*
This Work Item was deleted in TSG-RAN #9.
25. *Void.*
This Work Item was deleted in TSG-RAN #10.
26. *Low Chip Rate TDD Physical Layer.*
This WI had finished and would be moved to the "history" document.
27. *Low chip rate TDD layer 2 and layer 3 protocol aspects.*
This WI had finished and would be moved to the "history" document.
28. *Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing.*
This WI had finished and would be moved to the "history" document.
29. *Void.*
This Work Item was deleted in TSG-RAN #10.
30. *Low Chip Rate TDD UE radio access Capability.*
This WI had finished and would be moved to the "history" document.
31. *Low chip rate TDD UTRAN network Iub/Iur protocol aspects.*
This WI had finished and would be moved to the "history" document.
32. *RAB Quality of Service Negotiation over Iu.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
33. *RAB Quality of Service Renegotiation over Iu.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
34. *Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
35. *UE positioning enhancements.*
No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.
36. *RAN Technical Small Enhancements and Improvements.*
This WI sheet was replaced by the general WI for all TSGs established during last TSG-SA meeting in Bangkok. Therefore no further action is required within TSG-RAN.
37. *DSCH power control improvement in soft handover.*
The WI was finished and would be moved to the "historic" document.

38. *Migration to Modification procedure.*

The name of this WI should be changed to "Transport bearer modification procedure on Iub, Iur, and Iu".
The WI was finished and would be moved to the "historic" document.

39. *UMTS 1800.*

The milestones needed to be changed to TSG-RAN #12.

40. *RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes.*

No decision on the need for revision of the WI sheet was taken due to lack of time. Delegates were urged to consider if the WI sheet needed to be changed and to provide an update if appropriate.

RP-010016 Study Item sheets - latest situation (Secretary)

Decisions per Study Item:

1. *Radio link performance enhancements.*

No changes were required to the WI sheet. Therefore the WI sheet was re-endorsed.

2. *High speed downlink packet access.*

This would be moved to the "history" document.

3. *USTS.*

The SI deadline was extended to TSG-RAN #12.

4. *Feasibility Study for Improved Common DL Channel for Cell-FACH State.*

The SI deadline was extended to TSG-RAN #12.

5. *Feasibility Study of UE antenna efficiency test methods performance requirements*

No decision on the need for revision of the SI sheet was taken due to lack of time. Delegates were urged to consider if the SI sheet needed to be changed and to provide an update if appropriate.

6.1 Radio Interface Improvement Feature (1)

6.1.1 Base station classification

6.1.1.1 FDD Base station classification

Status

RP-010217 Status Report WI "FDD Base station classification" (Rapporteur)

Antti Toskala (Rapporteur) presented this status report.

Discussion: The milestones needed to be shifted to TSG-RAN #13.

Decision: The status report was noted.

6.1.1.2 TDD Base stations classification

Status

RP-010172 Status Report WI "TDD Base station classification" & TR 25.952 (Rapporteur)

Antti Toskala (Rapporteur) presented this status report and TR.

Discussion: The milestones needed to be shifted to TSG-RAN #12.

Decision: The status report and TR were noted. A revised version of the status report that had been cleaned up editorially was provided for information in RP-010256.

RP-010256 Status Report WI "TDD Base station classification" (Rapporteur)

This document was provided for information.

6.1.2 UTRA FDD Repeater Specification

Status

RP-010102 Status Report WI "UTRA FDD Repeater Specification" (Rapporteur)

Ralf Michanikl (Mikom) presented this status report.

Decision: The status report was noted.

RP-010190 TR 25.956 v0.2.0 (TSG-RAN WG4)

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

Discussion: The document was proposed for approval and should have been v2.0.0. It was commented that editorially it was not quite ready for approval as there were references to company contributions and editorial comments that needed to be revised.

Decision: The TR was **approved** as v4.0.0.

RP-010103 TS 25.106 v2.0.0 (TSG-RAN WG4)

Alf Ahlström (Allgon) presented this TS.

Decision: The TS was **approved** as v4.0.0.

RP-010104 TS 25.143 v2.0.0 (TSG-RAN WG4)

Ralf Michanikl (Mikom) presented this TS.

Discussion: The front page of the cover sheet contained an error (it was a TS, not a TR), but the TS itself was correct in this respect.

Decision: The TS was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010098	WG4	Agreed CRs	approved 1)

1) The title was proposed to be different in Release '99 and Release 4. This needed to be checked. After checking it turned out that this was not a problem. The changes to the version numbering were a mistake and should not be taken literally. None of this was a problem for approving the CR.

6.1.3 UMTS 1800

Status

RP-010095 Status Report WI "UMTS 1800" (Rapporteur)

Howard Benn (Rapporteur) presented this status report.

Discussion: The CRs were the same as in RP-010096. There was some discussion in general on the acceptability of delaying WIs beyond the deadline of the Release. In general, there was reluctance to accept this, because it would set a precedent. In document RP-010219 a possible solution for different frequency bands was proposed that would be a way out (for this particular WI). After having discussed and accepted that proposal (see RP-010219 below), it was stated that a completion date of TSG-RAN #12 was unrealistic, because there were several other issues to be taken into account (such as co-existence). In response to this, it

was said that specifications and deployment should be kept separate and that an early target date would help to get all requirements clear as quickly as possible. In response to that it was stated that rushing the work would not be helpful, as regulators would base their regulations on the outcome as they had done in the past and basing it on too-hurried work would only impede work in the future. It was stated that what was mentioned in section 3.2 (work not completed) on simulations being difficult to be achieved, there was still a strong requirement for this work to be performed.

Decision: The status report was noted. Taking into account RP-010219, choice 2) was taken (the CRs were postponed). The milestones would be changed to TSG-RAN #12.

RP-010219 Operating Frequency Band as a Release independent work item (Motorola, Nokia, Alcatel, Nortel, Ericsson)

Howard Benn (Rapporteur) presented this document.

Discussion: This document drew on experience in GSM, which was now available to operate in a multitude of frequency bands. The type of problem that was of concern to operators in allocating a release to a terminal had been solved in GSM by this method, which made the operating frequency band independent of a release.

Decision: The document was noted. TSG-RAN decided that this was an appropriate way forward and would inform TSG-SA via the TSG-RAN Chairman's report and inform PCG via the management report.

RP-010082 Expanding UMTS Co-existence WI to Include PCS1900 Band Operation (AT&T Wireless Services, Cingular)

Shailender Timiri (AT&T Wireless Services) presented this document.

Discussion: It was acceptable to the proponents and the Rapporteur of UMTS 1800 to keep this issue separate and provide a separate WI proposal. It was clarified that actually the 1900 band was already supported in Release '99 and that the work urgently needed to be finished.

Decision: The document was noted. A WI proposal would be drafted and handled later (see RP-010234 in agenda item 6.11). A note was needed in R'99 specifications to indicate that this work was only partially complete in R'99. It was confirmed that as a result of earlier discussion on R2-010219, two release-independent frequency bands needed to be added for the signalling in WG2.

CRs for this Study Item

Tdoc	Related WG	Title	Result
RP-010096	WG4	Agreed CRs	postponed 1)

1) The **principles** used in the CRs were **endorsed** (including the numbers that had already been agreed in WG4). This meant that TSG-RAN was happy with the work WG4 had done, and encouraged further work in the same direction, but at the same time it did not mean that WG4 was prohibited from correcting the CRs and coming with revisions.

6.1.4 Study Item: Feasibility study of UE antenna efficiency test methods performance requirements

Status

RP-010232 Status Report SI "UE antenna efficiency test methods performance requirements" (Allgon)

Alf Ahlström (Allgon) presented this status report.

Decision: The status report was noted.

6.2 RAN Improvement Feature

6.2.1 RRM optimizations for Iur and Iub

Status

RP-010142 Status Report WI "RRM optimizations for Iur and Iub" (Rapporteur)

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

Discussion: This was a collection of independent work tasks. Three of these were proposed for inclusion in Rel-4, three to be deleted and one to be studied further.

Decision: The status report was noted. The WI would be continued as a building block, with separate work tasks to be provided on separate WI sheets. Fresh WI sheets would be provided for this in RP-010272 and RP-010273.

RP-010272 Revised WI sheet for WI "RRM optimization for Iur and Iub" for Release 4 (Rapporteur)

RP-010273 Revised WI sheet for WI "RRM optimization for Iur and Iub" for Release 5 (Rapporteur)

These documents were the WI sheets from RP-010142.

RP-010143 TR 25.935 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010160	WG3	Agreed CRs	approved

6.2.2 PS-Domain Handover for real-time services

Status

RP-010131 Status Report WI "PS-Domain handover for real-time services" (Rapporteur)

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

Decision: The status report was noted.

RP-010238 Cover Sheet for TR 25.936 (MCC)

RP-010132 TR 25.936 (Rapporteur)

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

Discussion: The cover sheet was missing and was provided later (this was also the case for other WG3 TRs).

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010155	WG3	Agreed CRs	approved

6.2.3 RAB Quality of Service Negotiation/Renegotiation over Iu

6.2.3.1 RAB Quality of Service Negotiation over Iu

Status

RP-010134 Status Report WI "RAB Quality of Service Negotiation over Iu" (Rapporteur)

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

Discussion: There was an LS from TSG-SA WG2 that had not yet been seen. In that LS there appeared to be a formal request to delay this WI. The LS was provided as RP-010252. After some discussion it was felt that the only thing that could be done was to tell TSG-SA WG2 that the work is finished from TSG-RAN point of view.

Decision: The status report was noted. The completion from the TSG-RAN point of view would be highlighted to TSG-SA. Approval of the CRs would be conditionally.

RP-010252 LS from TSG-SA WG2 to TSG-RAN WG3 asking for delay of RAN QoS WI to Rel-5 (TSG-RAN WG3 Chairman)

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

Decision: The document was noted.

RP-010242 Cover Sheet for TR 25.946 (MCC)

RP-010135 TR 25.946 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010156	WG3	Agreed CRs	approved 1)

1) These were actually CRs to **three different** WIs (QoS Negotiation, QoS Re-negotiation, and a third proposed WI that still needed to be handled later). After the relevant WI (see RP-010168 in agenda item 6.2.3.3) had been approved, CR 274r1 to 25.413 was **approved**.

6.2.3.2 RAB Quality of Service Re-negotiation over Iu

Status

RP-010136 Status Report WI "RAB Quality of Service Renegotiation over Iu" (Rapporteur)

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

Decision: The status report was noted.

RP-010239 Cover Sheet for TR 25.851 (MCC)

RP-010137 TR 25.851 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010156	WG3	Agreed CRs	see 6.2.3.1 1)
RP-010157	WG3	Agreed CRs	withdrawn 1)

1) The CRs for both RAB QoS Negotiation and Renegotiation were provided in RP-010156 (see agenda item 6.2.3.1). Therefore document RP-010157 was withdrawn.

6.2.3.3 Proposed related WI "RAB Quality of Service Negotiation over Iu during relocation"

RP-010168 Proposed WI "RAB Quality of Service Negotiation over Iu during relocation" (TSG-RAN WG3)

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

Discussion: The work for this proposed WI had already been finished by TSG-RAN WG3.

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

RP-010133 Status Report WI "RAB Quality of Service Negotiation over Iu during relocation" (Rapporteur)

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

Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010156	WG3	Agreed CRs	see 6.2.3.1 1)

1) The CR for this new WI had been included with those for both RAB QoS Negotiation and Renegotiation, all of which were provided in RP-010156 (see agenda item 6.2.3.1).

6.3 Evolution of the transport in the UTRAN

6.3.1 IP Transport in UTRAN

Status

RP-010144 Status Report WI "IP Transport in UTRAN" (Rapporteur)

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

Discussion: There were no CRs, this was a mistake.

Decision: The status report was noted. The change of dates for completion was also noted.

RP-010145 TR 25.933 (Rapporteur)

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

Discussion: The TR was for information.

Decision: The TR was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010161	WG3	Agreed CRs	withdrawn

6.3.2 QoS optimization for AAL type 2 connections over Iub and Iur interfaces

Status

RP-010146 Status Report WI "QoS optimization for AAL type 2 connections over Iub and Iur interfaces" (Rapporteur)

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

Discussion: For the PDF format, documents RP-010146 and RP-010147 had been switched.

Decision: The status report was noted.

RP-010244 Cover Sheet for TR 25.934 (MCC)

RP-010147 TR 25.934 (Rapporteur)

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

Discussion: The PDF file contained the wrong TR and cover sheet, but the zip-file was correct..

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010162	WG3	Agreed CRs	approved

6.3.3 Migration to Modification procedure

Status

RP-010148 Status Report WI "Migration to Modification procedure" (Rapporteur)

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

Discussion: The name of this WI had been changed to "Transport bearer modification procedure on Iub, Iur, and Iu" as it was felt that better described.

Decision: The status report was noted.

RP-010237 Cover Sheet for TR 25.954 (MCC)

RP-010149 TR 25.954 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010163	WG3	Agreed CRs	approved

6.4 Transcoder Free Operations in UTRAN

Status

RP-010138 Status Report WI "Transcoder Free Operations in UTRAN" (Rapporteur)

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

Decision: The status report was noted.

RP-010236 Cover Sheet for TR 25.953 (MCC)

RP-010139 TR 25.953 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010158	WG3	Agreed CRs	approved

6.5 UE Positioning

6.5.1 Iub/Iur interfaces for UE positioning methods supported on the radio interface Release '99

Status

RP-010140 Status Report WI "Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99" (Rapporteur)

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

Discussion: The assumptions were confirmed to be correct by the WG1 and WG4 Chairmen.

Decision: The status report was noted.

RP-010243 Cover Sheet for TR 25.850 (MCC)

RP-010141 TR 25.850 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010159	WG3	Agreed CRs	approved
RP-010099	WG4	Agreed CRs	approved

6.5.2 UE positioning enhancements

Status

RP-010045 Status Report WI "UE positioning enhancements" (Rapporteur)

Armin Sitte (Rapporteur) presented this status report.

Discussion: It was clarified that IPDLs for FDD was already in Release '99. It was asked why several different methods were needed. It was clarified that the different methods correspond to different scenarios. All positioning methods were optional for the UE, although there might be regulatory requirements in certain regions mandating the use of a certain method. If you want to provide a particular Location Service, a particular method may be needed. It was also stated that in WG1 RTD methods were provided for Release 4.

The issue of measurement accuracy was a concern for WG4 as long as the call requirements on positioning accuracy were not clear. It was clarified that it was already possible to provide positioning and that what was studied was improvements. After offline discussion, it was decided that this WI could be considered closed, but that the UE Positioning Ad Hoc needed to address the issues that had caused discussion. It was stated that all solutions where transmission was interrupted should be studied by WG4 for their performance impact.

Decision: The status report was noted.

RP-010046TR 25.847 v2.0.0 (TSG-RAN WG2)

Armin Sitte (Rapporteur) presented this TR.

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010040	WG2	Agreed CRs	approved
RP-010072	WG1	Agreed CRs	approved

6.6 Radio Interface Improvement Feature (2)

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

Status

No work had been done, but it had already been decided that this would not be proposed for inclusion in Release 4.

6.6.2 Radio access bearer support enhancement

Status

RP-010047Status Report WI "Radio access bearer support enhancement" (Rapporteur)

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

Discussion: The completion date for the work in WG3 had not been discussed. This was a basket WI with several independent enhancements with different completion dates.

Decision: The status report was noted.

RP-010048TR 25.844 v2.0.0 (TSG-RAN WG2)

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

Discussion: The only issue that might be reported to TSG-SA is the issue of tests for an IETF protocol inside a 3GPP protocol. This issue will be reported to TSG-SA for the co-ordination aspects.

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010039	WG2	Agreed CRs	approved

6.6.3 Hybrid ARQ II/III

Status

No work had been done, except in the scope of the SI HSDPA. It would not be proposed for inclusion in Release 4.

6.6.4 Study item: High speed downlink packet access

Status

RP-010049 Status Report SI "High speed downlink packet access" (Rapporteur)

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

Decision: The status report was noted.

RP-010050 TR 25.950 v2.0.0 (TSG-RAN WG2)

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

Discussion: It was clarified that there had not yet been a conclusion on the need for dynamic TTI in WG1. It was stated that it would be useful for operators if HSDPA could be used for streaming; this had been concluded positively in TSG-RAN WG2. It was clarified also that the TR concluded on the use of AMC, but not on any particular "QAM". It was clarified that the performance conclusion in the WG1 TR was valid whether 64 QAM was selected or not. It was also clarified with respect to the architectural impacts, that minimal impact was foreseen for Iur and Iub (flow control changes were foreseen, and fast cell selection was not part of that conclusion). Ciphering was done in RLC and RLC was not affected. It was recommended to approve the clauses until and including clause 13 (excluding clause 14, the recommendation), then to treat other documents on HSDPA and then to review the recommendation.

Decision: The TR was **approved** as v4.0.0. This did not mean that TSG-RAN was bound by the recommendations from WG1 and WG2.

RP-010191 TR 25.848 v1.0.0 (TSG-RAN WG1)

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

Discussion: Section 8 was empty, but it was clarified that there had been study into backwards compatibility aspects and no causes for concern had been found. It was explained that the benefit of Hybrid ARQ could be found in the report. Although the TR was presented for information, it became clear that it was better to approve the TR at this meeting.

Decision: The TR was **approved** as v4.0.0.

RP-010229 HSDPA study item: the way forward (Lucent Technologies, Nortel Networks)

Said Tatesh (Lucent Technologies) presented this document.

Decision: The document was noted. An early morning discussion would be held on the way forward for HSDPA. See RP-010262, RP-010267 and RP-010227.

RP-010247 Development of solutions for High Speed Downlink Packet Access (TIM/Telecom Italia Lab, Omnitel/Vodafone, Telefonica, Sonera, VoiceStream, Telia AB, AT&T Wireless Services)

This document was replaced by R2-010249.

RP-010249 Development of solutions for High Speed Downlink Packet Access (TIM/Telecom Italia Lab, Omnitel/Vodafone, Telefonica, Sonera, VoiceStream, Telia AB, Telekom Austria, Cingular, Blu)

Andrea De Pasquale (Omnitel) presented this document.

Decision: The document was noted. An early morning discussion would be held on the way forward for HSDPA. See RP-010262, RP-010267 and RP-010227.

RP-010262 Proposed WIs for "HSDPA" (Motorola, Nokia, Ericsson, Vodafone Group, Mannesmann Mobilfunk)

Howard Benn (Ad Hoc Secretary) presented this WI proposal.

Discussion: There had been an early morning Ad Hoc session on the various proposals for HSDPA. There was a proposal to change the name, but no consensus. It would therefore be kept as "HSDPA" for now. Also some additional WIs/SIs were identified to be part of "HSDPA".

Decision: The WIs were approved. The WI sheets were endorsed. The list of identified topics for the WGs would serve as a starting point, but it was agreed that the work was not restricted to that. Also, it was agreed to include the WI "MIMO" (RP-010267) and the SI "Fast Cell Selection" (RP-010227). The name could be readdressed again at TSG-RAN #12 if necessary.

RP-010251 Proposed WI "MIMO" (Lucent Technologies)

This document was withdrawn.

RP-010267 Proposed WI "MIMO" (Lucent Technologies)

Ian Corden (Lucent Technologies) presented this WI proposal.

Discussion: This was agreed to be a WI for later than Release 5. [SECRETARY'S NOTE: This WI was also supported by Nokia and Cingular].

Decision: The WI was approved for later than Release 5. The WI sheet was endorsed.

RP-010227 Proposed SI "Fast Cell Selection (FCS) for HS-DSCH" (Motorola)

Howard Benn (Ad Hoc Secretary) presented this SI proposal.

Discussion: The document said work item, but it was proposed as study item. It was proposed that WG2 would lead this SI, but after discussion decided to leave it as WG1. It would be a joint effort between the two WGs though.

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

RP-010228 Proposed SI "Fast Cell Selection (FCS) for HS-DSCH" (Motorola)

This document was withdrawn.

RP-010213 Proposed SI "MIMO techniques for HSDPA" (Motorola, Nokia)

This document was withdrawn.

6.6.5 Study item: Feasibility Study for Improved Common DL Channel for Cell-FACH State

Status

RP-010051 Status Report SI "Feasibility Study for Improved Common DL Channel for Cell-FACH State" (Rapporteur)

Joe Kwak (Rapporteur) presented this status report.

Decision: The status report was noted.

6.6.6 Terminal power saving features

Status

RP-010079 Status Report WI "Terminal power saving features" (Rapporteur)

This document was replaced by RP-010233.

RP-010233 Status Report WI "Terminal power saving features" (Rapporteur)

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

Discussion: It was proposed to discuss this issue between WG1, WG2 and WG3 in the co-located meeting in Pusan (May 2001). In WG2 it had been explained that the terminal power saving could be indirect. In order to verify this, WG3 needed to study this before WG2 could conclude on the WI. Significant work was also still needed in WG4.

Decision: The status report was noted. The proposal to discuss in May 2001 was approved. It was decided that it was not realistic to put this WI in Release 4. The WI and the WI sheet needed to be reviewed to reflect that power saving is no longer the main goal. TSG-RAN #12 was not a realistic target date, instead TSG-RAN #13 could be a target date for completion. This would be further discussed in the joint meeting of the WGs.

RP-010069 TR 25.840 v2.3.0 (TSG-RAN WG1)

Decision: Because of the above discussion, the TR was **noted**.

RP-010246 Cover Sheet for TR 25.938 (MCC)

RP-010152 TR 25.938 (Rapporteur)

Decision: Because of the above discussion, the TR was **noted**.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010165	WG3	Agreed CRs	postponed

6.6.7 NodeB Synchronisation for TDD

Status

RP-010077 Status Report WI "NodeB Synchronisation for TDD" (Rapporteur)

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

Decision: The status report was noted.

RP-010245 Cover Sheet for TR 25.838 (MCC)

RP-010153 TR 25.838 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010073	WG1	Agreed CRs	approved
RP-010041	WG2	Agreed CRs	approved
RP-010166	WG3	Agreed CRs	approved
RP-010101	WG4	Agreed CRs	approved

6.6.8 Improvement of inter-frequency and inter-system measurements

Status

No work had been done, but it had already been decided that this would not be proposed for inclusion in Release 4.

6.6.9 DSCH power control improvement in soft handover

Status

RP-010078 Status Report WI "DSCH power control improvement in soft handover" (Rapporteur)

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

Discussion: It was first proposed to keep the WI for future releases since some new work had been identified. However, since a separate WI sheet had already been proposed this WI could be closed.

Decision: The status report was noted.

RP-010241 Cover Sheet for TR 25.849 (MCC)

RP-010154 TR 25.849 (Rapporteur)

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

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010074	WG1	Agreed CRs	approved
RP-010042	WG2	Agreed CRs	approved
RP-010167	WG3	Agreed CRs	approved

6.6.10 Study item: Radio link performance enhancements

Status

There had been no relevant progress on this SI.

6.6.11 Study item: USTS

Status

RP-010080 Status Report SI "USTS" (Rapporteur)

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

Discussion: There had been no discussion on this topic in TSG-RAN WG3 due to a lack of time. For this reason WG3 preferred to extend the feasibility study.

Decision: The status report was noted. The SI was extended to TSG-RAN #12. From WG1 point of view it had been concluded that this was a feasible technology. WG3 was asked to study the issue at its next WG3 meeting. It was also decided that WG1 could continue working on further details without this SI being formally approved by TSG-RAN as a WI, as soon as feedback from WG3 was needed.

RP-010171 Revised WI sheet for SI "USTS" (Rapporteur)

Because of the status of work in WG3, this WI sheet was noted.

RP-010070 TR 25.854 v1.0.0 (TSG-RAN WG1)

Decision: The TR was noted.

6.7 Low chip rate TDD option

RP-010076 Status Report WIs " DSCH power control improvement in soft handover and Low Chip Rate TDD Physical Layer" (Rapporteur)

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

Decision: The status report was noted.

RP-010068 TR 25.928 v2.0.0 (TSG-RAN WG1)

Mirko Aksentijevic (Nokia) presented this TR.

Decision: The TR was approved as v4.0.0.

6.7.1 Low Chip Rate TDD Physical Layer

Status

See RP-010076 in agenda item 6.7

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010071	WG1	Agreed CRs	approved

6.7.2 Low chip rate TDD layer 2 and layer 3 protocol aspects

Status

RP-010052 Status Report WI "Low Chip Rate TDD layer 2 and layer 3 protocol aspects" (Rapporteur)

Jingyu Wang (CATT) presented this status report.

Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010037	WG2	Agreed CRs	approved

6.7.3 Low Chip Rate TDD UE radio access Capability

Status

RP-010053 Status Report WI "Low Chip Rate TDD UE radio access Capability" (Rapporteur)

Jingyu Wang (CATT) presented this status report.

Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010038	WG2	Agreed CRs	approved

6.7.4 Low chip rate TDD UTRAN network Iub/Iur protocol aspects

Status

RP-010150 Status Report WI "Low Chip Rate TDD UTRAN network Iub/Iur protocol aspects" (Rapporteur)

Yihua Jiang (CATT) presented this status report.

Decision: The status report was noted.

RP-010240 Cover Sheet for TR 25.937 (MCC)

RP-010151 TR 25.937 (Rapporteur)

Achim von Brandt (Siemens) presented this TR.

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010164	WG3	Agreed CRs	approved

6.7.5 Low chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing

Status

RP-010054 Status Report WI "Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing" (Rapporteur)

Daijun Zhang (CATT) presented this status report.

Decision: The status report was noted.

RP-010055 TR 25.945 v2.4.0 (TSG-RAN WG4)

Daijun Zhang (CATT) presented this status report.

Decision: The TR was **approved** as v4.0.0.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010097	WG4	Agreed CRs	approved

6.8 RAN Technical Small Enhancements and Improvements

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010075	WG1	Agreed CRs	replaced 1)
RP-010043	WG2	Agreed CRs	approved
RP-010189	WG3	Agreed CRs	approved
RP-010100	WG4	Agreed CRs	approved 2) 3)

- 1) This CR was not a small change and involved at least two WGs (WG1 and WG4). There was more work that was needed to be done. It was questioned if there was a point in employing both beamforming and Tx Diversity. This had not been discussed. After discussion the CR was **revised** to CR 095r2 to 25.211 **for Release '99** (see agenda item 5.1.3; source: Nokia).
- 2) The category of the first three CRs and also of CR 047 to 25.102 should be Category B, but there was no problem with the contents and they were **approved**.
- 3) The title of CR 063 to 25.104 was wrong and should be "RACH performance requirements". With this change that CR was **approved**.

6.9 WIs discussed at TSG-SA #10

6.9.1 Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture

A Release '99 CR had been approved already for RAN WG2 (the radio interface had been agreed to be Release '99). TSG-RAN WG3 still needed to discuss this issue, but had been waiting for results from TSG-SA WG2. The completion date was for further discussion, but WG3 assumed it to be this year.

6.9.2 Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning

RP-010081 Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning" (Qualcomm)

This document was replaced by RP-010235.

RP-010235 Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning" (Qualcomm)

Vince Jolley (Qualcomm) presented this WI proposal.

Discussion: There was a lot of information that was not appropriate for the WI sheet. It was asked how this could be a Rel-4 WI where the proposed finalisation date was TSG-RAN #12. Good quality specifications were foreseen for TSG-RAN #12 and there was high importance for the operators. Most of the work had already been done. There was no impact on other specifications whether this was a June Release 4 or June Release 5 item. It was clarified that the situation was similar to UE positioning, where Stage 2 was completed in Release '99 and the interfaces in Release 4. The CRs for Stage 2 had been finished and were proposed for approval this week.

Decision: The WI was approved. The information that was not appropriate would be deleted and the sentence referring to Rel-4 removed. With these changes, the WI sheet was endorsed. The Stage 3 would not be in Release 4. [SECRETARY's NOTE: The latter decision (that Stage 3 would not be in Release 4) was taken according to the (Vice-)Chairman and several delegates. However, it was the proponent's understanding that the decision had been not to mention a Release to TSG-SA]. It would be reported to TSG-SA that this WI was extremely important to operators, with the planned completion date. The revised WI sheet was provided in RP-010270.

RP-010270 Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning" (Qualcomm)

Decision: The WI sheet was endorsed.

RP-010225 Proposed Positioning Calculation Application Part (PCAP) Specification (Qualcomm Europe)

This document was for information.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010044	WG2	Agreed CRs	approved 1)

1) It was decided that the notation for the architecture (name of the stand-alone entity) could be revised to make it more generic.

[SECRETARY's NOTE: After a lengthy discussion in TSG-SA, it was decided that Stage 1, Stage 2, Stage 3 for all WIs need to be kept together in the same release and that completion of Stage 3 for a WI indicates the release. It was also decided that no exception would be made for this WI. As a consequence the approved CR resulted in a **Release 5** version of TS 25.305.]

6.9.3 WB-AMR in RAN

Paolo Usai (TSG-SA WG4 Secretary) clarified that, so far, no work had been identified for TSG-RAN.

6.10 Report and discussion from Workshop on UTRAN Evolution

RP-010005 Draft Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001) (Secretary)

RP-010006 Revised draft Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001) (Secretary)

The revised meeting report of the TSG-RAN Workshop on UTRAN Evolution in RP-010006 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-010007.

RP-010007 Approved Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001) (Secretary)

This was the approved report of the TSG-RAN UTRAN Evolution Workshop.

RP-010214 Summary of e-mail discussions on UTRAN Architecture Enhancements (Convenor for e-mail discussions)

Antti Toskala (Convenor for e-mail discussions) presented this document.

Discussion: There was a proposal for an SI in RP-010208.

Decision: The document was noted.

6.11 Others

RP-010177 Mitigating the Effect of CPICH Interference at the UE (Intel Corp.)

Shimon Moshavi (Intel Corp.) presented this document.

Discussion: The issue had been discussed in WG1 and WG4 and WG4 seemed to be the most relevant WG. It was asked whether this would be mandatory (there was no reference to 25.306 to include it as a capability). There was no view on this at this moment. It was also remarked that there are many ways to improve the performance; this was only one of them. TSG-RAN #13 was also seen as very optimistic.

Decision: The document was noted.

RP-010176 Proposed WI "Mitigating the Effect of CPICH Interference at the UE" (Intel Corp.)

This document was replaced by RP-010231.

RP-010231 Proposed WI "Mitigating the Effect of CPICH Interference at the UE" (Intel Corp.)

Shimon Moshavi (Intel Corp.) presented this document.

Discussion: The issue was discussed on the basis of RP-010177.

Decision: The proposal was approved as a Study Item, to be led by TSG-RAN WG4. A revision of the WI (SI) sheet was needed. This was made available in RP-010260.

RP-010260 Proposed SI "Mitigating the Effect of CPICH Interference at the UE" (Intel Corp.)

Shimon Moshavi (Intel Corp.) presented this document.

Discussion: There were a few editorials to be made. Also the wording about the complexity needed to be updated and also the title would need to be generalised a bit more.

Decision: The SI sheet would be changed by WG4 if necessary, to be confirmed in the next TSG-RAN plenary meeting.

RP-010173 Justification for UE Support for CPCH in Release 4 (GBT)

Joe Kwak (GBT) presented this document.

Discussion: Splitting a Release 99 UE capability into two two Release 4 UE capabilities was not acceptable for TSG-RAN WG1 for interoperability/backwards compatibility reasons. It was pointed out that RRC signalling could be used to indicate CPCH support. A CR to split CPCH capability into two capabilities in the RRC specification was not provided, however. After discussion it appeared that there was no need for this split as there was understood to be no unambiguity. It was also commented that CPCH was not complete, and that it was far from clear how it could be used in the network. Even if pending CRs in WG4 were to be agreed, the case of dealing with more than one cell in the network had not been resolved. [NOTE: CPCH is like RACH, and handover is not applied to such transient, contention channels]. It was clarified that all earlier techniques that had been thought to be very important in the past had all been optional, and that the market had decided on which ones were useful. The same should be applied to CPCH. In response to the question on the status of the CR, it was explained that in WG2 no consensus could be reached on this CR (actually no agreement on the CR had been asked for in WG2). A request to clarify the principle concerning when to indicate "yes" and when to indicate "no" in the tables in 25.306 was made. The clarification given was that the tables in 25.306 were filled in by consensus. Clarifications were provided several times but were not felt to be sufficient by the claimer.

Decision: The document was noted. Since CPCH had not been finished yet in WG4 it was decided to discuss this CR again in WG2 when the feature would be fully completed. In principle this discussion would take place within the scope of Release 5. Because of the lack of consensus, it was decided that more time was needed to try and obtain a consensus. The CR was **not** approved.

RP-010222 Traffic characteristics of various 3G non real time services (GBT)

This document was for information.

RP-010174 UE Support for CPCH in Release 4 (GBT)

This document was withdrawn.

RP-010258 Presentation for Traffic characteristics of various 3G non real time services (GBT)

Kourosh Parsa (GBT) presented this document.

Decision: The document was noted.

RP-010221 Impact of packet mode (CPCH) capacity gain on 3G deployment of non real time services (SBC Technology, GBT)

This document was for information.

RP-010257 Presentation for Impact of Packet Mode Capacity Gain on 3G deployment of non real time services (GBT, ADL, SBC Technology Resources)

Kourosh Parsa (GBT) presented this document.

Discussion: It was commented that the capacity gains were unbelievable and that more information was needed to validate these figures. It was stated that it was not surprising that an efficient packet-switched technique was much faster than a slow circuit-switched one. It was also stated that the reason fast packet switching had not been used before in mobile cellular networks was the problem of contention resolution, but that CPCH had provided a solution to this problem.

Decision: The document was noted.

RP-010223 CPCH financial benefits to 3G service providers/network operators (Arthur D.Little, GBT)

This document was replaced by RP-010263.

RP-010263 CPCH financial benefits to 3G service providers/network operators (Arthur D.Little, GBT)

Joe Kwak (GBT) presented this document.

Discussion: This was a technical specification group, so no questions or comments on financial issues were handled.

Decision: The document was noted.

RP-010175 RAN Ways Forward for CPCH (GBT)

This document was withdrawn.

RP-010248 Proposal to introduce the SIR measurement (TIM/Telecom Italia Lab, Telefonica, Mobilkom Austria, AT&T Wireless Services, Blu)

Giovanni Romano (TILab) presented this document.

Discussion: This was proposed to be a SI.

Decision: The document was noted. The proposal was endorsed. A SI sheet would be presented in WG4.

RP-010187 Proposed WI "Node B Resource Model improvements" (Alcatel)

This document was replaced by RP-010253.

RP-010253 Proposed WI "Node B Resource Model improvements" (Alcatel)

Philippe Sehier (Alcatel) presented this WI proposal.

Discussion: There had been offline comments to say that WG3 could handle this as TEI.

Decision: The WI's topic was endorsed. The WI sheet was withdrawn. WG3 would handle the proposal in the form of TEI CRs after presentation of justification.

RP-010188 Proposed WI "Signalling of Iub bearer requirements over Iur" (Alcatel)

Francois Courau (Alcatel) presented this WI proposal.

Discussion: It was explained that this tries to solve a known problem within Release '99.

Decision: The WI's topic was endorsed. The WI sheet was withdrawn. WG3 would handle the proposal in the form of TEI CRs if agreement could be reached.

RP-010170 Proposed WI "Enhancement on the DSCH hard split mode" (Samsung)

This document was replaced by RP-010205.

RP-010205 Proposed WI "Enhancement on the DSCH hard split mode" (Samsung, LG Electronics)

Jin-Weon Chang (Samsung) presented this WI proposal.

Discussion: The need for different TRs in different WGs could be discussed in the WGs.

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

RP-010207 Proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (Nokia, Hutchison 3G, Omnitel/Vodafone)

Antti Toskala (Nokia) presented this WI proposal.

Discussion: The time schedule seemed too optimistic. It would be changed to TSG-RAN #13 and TSG-RAN #14. It was not clear if the Stage 1 was done already. The scope was perhaps too narrow.

Decision: The WI was approved conditionally, pending approval of a feature in TSG-SA. The WI sheet was endorsed in principle, although revision might be necessary. TSG-SA would be notified of the proposal and asked for guidance.

RP-010212 Presentation for proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (Nokia)

This document was for information.

RP-010208 Proposed SI "Open CRMS-RNS Interface to support Common Radio Resource Management" (Nokia)

This document was replaced by RP-010275.

RP-010275 Proposed SI "Open CRMS-RNS Interface to support Common Radio Resource Management" (Nokia)

Antti Toskala (Nokia) presented this SI proposal.

Discussion: This was a proposal resulting from the e-mail discussion following the UTRAN Evolution Workshop in Helsinki. The dates would be shifted by one TSG. However, it was stated that the study should focus on the problem, not on the particular solution mentioned. The objective was to improve the RRM, and the title of the SI would be "Improvement of RRM across RNS and RNS/BSS".

Decision: The SI was approved with the new title. The SI sheet would be reviewed by WG3.

RP-010209 Proposed WI "Traffic Termination Point Swapping" (Nokia)

Antti Toskala (Nokia) presented this WI proposal.

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

RP-010210 Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning methods" (Nokia, Hutchison 3G)

Antti Toskala (Nokia) presented this WI proposal.

Discussion: The dates would be shifted by one TSG (TSG-RAN #14 can be kept).

Decision: With this change, the WI was approved. The WI sheet was endorsed.

RP-010215 Proposed WI "UE positioning enhancements for 1.28 Mcps TDD" (CWTS/CATT)

Guiliang Yang (CATT) presented this WI proposal.

Discussion: There was a question whether there was a need for alignment with the previously approved WI from Nokia.

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

RP-010216 Proposed WI "Node B Synchronisation for 1.28 Mcps TDD" (CWTS/CATT)

Guiliang Yang (CATT) presented this WI proposal.

Discussion: It needed to be checked if existing Node B Synchronisation was applicable, but initial view was that it might not be the case.

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

RP-010234 Proposed WI "UMTS 1900" (Cingular, AT&T WS, Motorola, Nortel Networks, Nokia, Ericsson, VoiceStream Wireless)

Don Zelmer (Cingular) presented this WI proposal.

Discussion: The WI sheet would need to be updated as soon as the new TS number was known for the TS on UMTS bands not bound to release (see discussion in agenda item 6.1.3). It was stated that a meeting on UMTS 1900 issues would be held in early May in Seattle. More details would follow on the reflector.

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

RP-010261 Proposed WI "RL Timing Adjustement" (Ericsson, Nokia, Philips, Qualcomm)

Per Beming (Ericsson) presented this WI proposal.

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

RP-010266 Proposed WI "Gated DPCCH Transmission" (Samsung)

Jin-Weon Chang (Samsung) presented this WI proposal.

Discussion: This followed discussion in agenda item 6.6.6.

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

RP-010271 Proposed WI "Separation of resource reservation and radio link activation" (Ericsson)

Per Beming (Ericsson) presented this WI proposal.

Discussion: This was left over from RRM optimization from Release 4.

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

6.12 Overall RAN work plan

RP-010277 Creation of Release 4 versions of the TSG RAN WG1 specifications (TSG-RAN WG1 Chairman)

Hans van der Veen (Secretary) presented this document.

Discussion: All WG1 TSs needed to be moved to Release 4, but this was not true for all TRs. TR 25.833 was proposed not to be moved to Release 4.

Decision: The document was noted. The overview of all TSs and TRs not proposed for Release 4 was provided below.

RP-010184 Release 4 specs expected to be created in March 2001 (MCC)

Hans van der Veen (Secretary) presented this document.

Discussion: An explicit decision was needed on which TSs and TRs from Release '99 needed to be transferred to Release 4. It was easier to decide which ones should **not** be moved.

Decision: The document was noted. It was decided that of the **approved** TSs and TRs in TSG-RAN, the following ones would **not** be moved to Release 4:

- 25.925 (WG2)
- 25.941 (WG4)
- 25.990 (TSG-RAN)

In addition, the following **non-approved** TSs and TRs were **not** intended for Release 4:

- 25.831 (WG3)
- 25.833 (WG1)
- 30.504 (WG4)
- 30.531 (WG3)

Finally, for the **non-approved** (dormant) 25.924 the situation was not yet clear.

7 Technical co-ordination among WGs

There was no input for this agenda item.

8 Output to other groups

8.1 TSG-SA

RP-010264 Proposed LS Operating Frequency Band as a Release independent work item (Motorola)

Howard Benn (Motorola) presented this LS.

Decision: The LS was approved and would be sent as RP-010278. The TS number for the required new TS would be 25.307, under the responsibility of WG2.

RP-010278 LS (to TSG-SA) on Operating Frequency Band as a Release independent work item (TSG-RAN)

Decision: The LS was approved.

8.2 ITU-R

There was no input for this agenda item.

8.3 Other

RP-010265 Draft response (to EP BRAN; copy TSG-RAN WG3) to LS (BRAN22d115) on HIPERACCESS (TSG-RAN WG3 Chairman)

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

Decision: The LS was approved and would be sent as RP-010279.

RP-010279 Response (to EP BRAN; copy TSG-RAN WG3) to LS (BRAN22d115) on HIPERACCESS (TSG-RAN)

Decision: The LS was approved.

9 Summary of Release 4

Due to lack of time, no summary of Release 4 was made.

10 Project management

RP-010206 Ensuring backward compatibility for Release '99 Specifications (NTT DoCoMo, Hutchison 3G UK, Japan Telecom, Omnitel/Vodafone, Telia, Telefonica, TIM/TILAB, Vodafone Group Plc, Alcatel, Ericsson, Fujitsu, Motorola, NEC, Nokia, Panasonic)

This document was replaced by RP-010226.

RP-010226 Ensuring backward compatibility for Release '99 Specifications (NTT DoCoMo, Hutchison 3G UK, Japan Telecom, Omnitel/Vodafone, Telia, Telefonica, TIM/TILAB, Vodafone Group Plc, Alcatel, Ericsson, Fujitsu, Lucent Technologies, Motorola, NEC, Nokia, Panasonic)

Seizo Onoe (NTT DoCoMo) presented this document.

Discussion: The behaviour of the interface also affected the backward compatibility. It was clarified also that decisions should always be on a case-by-case basis, taking into account the backwards compatibility. Also, sometimes it was preferable to delete an incomplete feature from an older release and introduce it fully working in a following release rather than leave the incomplete feature in the older release. It was also pointed out that backward compatibility for Release 4 was not advisable yet.

Decision: The document was replaced by RP-010276.

RP-010211 RRC and backwards compatibility (Nokia)

Antti Toskala (Nokia) presented this document.

Discussion: It was not very clear what the timing in the first bullet on inconsistency was aiming at. This would be left to TSG-RAN WG2, by asking it to apply the principles, but pragmatically on a case-by-case basis. Also, these principles were for Release '99, not yet for Release 4.

Decision: The document was replaced by RP-010276.

RP-010276 Recommendations applying to corrections of Release 99 specifications (Drafting group (NTT DoCoMo, Alcatel, Ericsson, Nokia, Nortel Networks))

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

Decision: The document was approved. The document would be presented by the TSG-RAN WG Chairmen in their next WG meeting. MCC would ensure a standard phrase for backwards compatibility based on the existing one in WG3 would be used in all TSG-RAN WGs.

RP-010178 CR 014 to TR 21.900 (MCC)

This document was provided for information.

RP-010179 CR 004 to TS 21.101 (MCC)

This document was provided for information.

RP-010180 TS 21.102 v2.0.0 (MCC)

This document was provided for information.

RP-010181 TS 41.102 v2.0.0 (MCC)

This document was provided for information.

RP-010182Specs status list prior to TSGs#11 (MCC)

This document was provided for information.

RP-010183Spec numbers and titles (MCC)

This document was provided for information.

11 Any Other Business

There was no input for this agenda item.

12 Closing of meeting

Yukitsuna Furuya (Chairman) thanked the delegates for their attendance at the long meeting and the hosts for the facilities provided. He also thanked the delegates for co-operation in the last two years. TSG-RAN had achieved great accomplishment, mostly due to the work of the delegates in the TSG-RAN WGs. The TSG-RAN WG chairmen had been instrumental in the co-ordination. He also thanked the Vice-Chairmen Francois Courau and Don Zelmer and the Secretary, Hans van der Veen for the support. He explained that he had learned a lot about standardisation.

Francois Courau (Vice-Chairman) thanked Yukitsuna Furuya (Chairman) for the work which has been done under his chairmanship which led to completion (almost) of Release '99 and also for allowing a smooth handover possible.

For future meetings, see Annex D.

Annex A: List of delegates

Guest organisation for 3GPP (OTHER)

ATTENDEE	REPRESENTED ORGANISATION	CTRY	E-MAIL
1. Mr. James A. Davis	TRA	US	JDAVIS@MAILEX.TRA.com
2. Mr. Louis Kaczmarek	Arthur D Little	US	

Member of 3GPP (ARIB)

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

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

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Annex B: List of documents

Doc.No.	Title	Source	Ag.lt.	Comments
RP-010001	Proposed agenda	Chairman	2	
RP-010002	Draft Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000)	Secretary	3	
RP-010003	Revised draft Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000)	Secretary	3	
RP-010004	Approved Report of the 10th TSG-RAN meeting (Bangkok, Thailand, 6-8 December 2000)	Secretary	3	
RP-010005	Draft Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001)	Secretary	6.10	
RP-010006	Revised draft Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001)	Secretary	6.10	
RP-010007	Approved Report of the TSG-RAN UTRAN Evolution Workshop (Helsinki, Finland, 5-6 February 2001)	Secretary	6.10	
RP-010008	Draft Report of TSG-SA Idle mode Workshop (Helsinki, Finland, 7 - 8 February 2001)	WS Chairman	4.1	
RP-010009	(S2-002113, to TSG-RAN) LS on Provision of Open Interfaces within the GERAN & UMTS for LCS Support	TSG-SA WG2	4.1	
RP-010010	(S2-010373, to TSG-RAN) LS on Withdrawing the SA Work Item on open LCS interfaces	TSG-SA WG2	4.1	
RP-010011	(S5-010012, copy TSG-RAN) Response to LS (R3-010304) on Feedback on UTRAN OAM Procedures	TSG-SA WG5	4.1	
RP-010012	(TP-000257, to TSG-RAN) LS on Clarification of the work plan of TSG-T1 for Rel-4 and Rel-5	TSG-T	4.1	
RP-010013	(R2-010740, to TSG-RAN) LS on Release 4 UE Support for CPCH	TSG-RAN WG2	4.3	
RP-010014	(R3-010304, copy TSG-RAN) LS on Feedback on UTRAN OAM Procedures Work Item	TSG-RAN WG3	4.3	
RP-010015	Work Item sheets - latest situation	Secretary	6	R2-010203
RP-010016	Study Item sheets - latest situation	Secretary	6	
RP-010017	Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	5.2.1	
RP-010018	Supplement (List of agreed R'99 CRs) to Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	5.2.1	
RP-010019	CRs (R'99) to TS 25.301	TSG-RAN WG2	5.2.3	
RP-010020	CRs (R'99) to TS 25.302	TSG-RAN WG2	5.2.3	
RP-010021	CRs (R'99) to TS 25.303	TSG-RAN WG2	5.2.3	
RP-010022	CRs (R'99) to TS 25.304	TSG-RAN WG2	5.2.3	
RP-010023	CRs (R'99) to TS 25.305	TSG-RAN WG2	5.2.3	
RP-010024	CRs (R'99) to TS 25.306	TSG-RAN WG2	5.2.3	
RP-010025	CRs (R'99) to TS 25.321	TSG-RAN WG2	5.2.3	
RP-010026	CRs (R'99) to TS 25.322	TSG-RAN WG2	5.2.3	
RP-010027	CRs (R'99) to TS 25.323	TSG-RAN WG2	5.2.3	
RP-010028	CRs (R'99) to TS 25.324	TSG-RAN WG2	5.2.3	
RP-010029	CRs (R'99) to TS 25.331 (1)	TSG-RAN WG2	5.2.3	
RP-010030	CRs (R'99) to TS 25.331 (2)	TSG-RAN WG2	5.2.3	
RP-010031	CRs (R'99) to TS 25.331 (3)	TSG-RAN WG2	5.2.3	
RP-010032	CRs (R'99) to TS 25.331 (4)	TSG-RAN WG2	5.2.3	
RP-010033	CRs (R'99) to TR 25.921	TSG-RAN WG2	5.2.3	
RP-010034	CRs (R'99) to TR 25.922	TSG-RAN WG2	5.2.3	

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RP-010035	CRs (R'99) to TR 25.925	TSG-RAN WG2	5.2.3	
RP-010036	CRs (R'99) to TS 34.109	TSG-RAN WG2	5.2.3	
RP-010037	CRs (Rel-4) for WI "Low Chip Rate TDD layer 2 and layer 3 protocol aspects"	TSG-RAN WG2	6.7.2	
RP-010038	CRs (Rel-4) for WI "Low Chip Rate TDD UE radio access Capability"	TSG-RAN WG2	6.7.3	
RP-010039	CRs (Rel-4) for WI "Radio access bearer support enhancement"	TSG-RAN WG2	6.6.2	
RP-010040	CRs (Rel-4) for WI "UE positioning enhancements"	TSG-RAN WG2	6.5.2	
RP-010041	CRs (Rel-4) for WI "NodeB Synchronisation for TDD"	TSG-RAN WG2	6.6.7	
RP-010042	CRs (Rel-4) for WI "DSCH power control improvement in soft handover"	TSG-RAN WG2	6.6.9	
RP-010043	CRs (Rel-4) for WI "RAN Technical Small Enhancements and Improvements"	TSG-RAN WG2	6.8	
RP-010044	CRs (Rel-4) for WI "Open Location Service in UMTS and GERAN"	TSG-RAN WG2	6.9.2	
RP-010045	Status report WI "UE positioning enhancements"	Rapporteur	6.5.2	
RP-010046	TR 25.847 v2.0.0	TSG-RAN WG2	6.5.2	
RP-010047	Status report WI "Radio access bearer support enhancement"	Rapporteur	6.6.2	
RP-010048	TR 25.844 v2.0.0	TSG-RAN WG2	6.6.2	
RP-010049	Status report SI "High speed downlink packet access"	Rapporteur	6.6.4	
RP-010050	TR 25.950 v2.0.0	TSG-RAN WG2	6.6.4	
RP-010051	Status report SI "Feasibility Study for Improved Common DL Channel for Cell-FACH State"	Rapporteur	6.6.5	
RP-010052	Status report WI "Low Chip Rate TDD layer 2 and layer 3 protocol aspects"	Rapporteur	6.7.2	
RP-010053	Status report WI "Low Chip Rate TDD UE radio access Capability"	Rapporteur	6.7.3	
RP-010054	Status report WI "Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing"	Rapporteur	6.7.5	
RP-010055	TR 25.945 v2.4.0	TSG-RAN WG4	6.7.5	
RP-010056	Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	5.1.1	
RP-010057	Supplement (List of agreed CRs) to Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	5.1.1	
RP-010058	CRs (R'99) to TS 25.211	TSG-RAN WG1	5.1.3	
RP-010059	CRs (R'99) to TS 25.213	TSG-RAN WG1	5.1.3	
RP-010060	CRs (R'99) to TS 25.214	TSG-RAN WG1	5.1.3	
RP-010061	CRs (R'99) to TS 25.215	TSG-RAN WG1	5.1.3	
RP-010062	CRs (R'99) to TS 25.221	TSG-RAN WG1	5.1.3	
RP-010063	CRs (R'99) to TS 25.222	TSG-RAN WG1	5.1.3	
RP-010064	CRs (R'99) to TS 25.223	TSG-RAN WG1	5.1.3	
RP-010065	CRs (R'99) to TS 25.224	TSG-RAN WG1	5.1.3	
RP-010066	CRs (R'99) to TS 25.225	TSG-RAN WG1	5.1.3	
RP-010067	CRs (R'99) to TR 25.944	TSG-RAN WG1	5.1.3	
RP-010068	TR 25.928 v2.0.0	TSG-RAN WG1	6.7	
RP-010069	TR 25.840 v2.3.0	TSG-RAN WG1	6.6.6	
RP-010070	TR 25.854 v1.0.0	TSG-RAN WG1	6.6.11	
RP-010071	CRs (Rel-4) for WI "Low Chip Rate TDD Physical Layer"	TSG-RAN WG1	6.7.1	
RP-010072	CRs (Rel-4) for WI "UE positioning enhancements"	TSG-RAN WG1	6.5.2	
RP-010073	CRs (Rel-4) for WI "NodeB Synchronisation for TDD"	TSG-RAN WG1	6.6.7	
RP-010074	CRs (Rel-4) for WI "DSCH power control improvement in soft handover"	TSG-RAN WG1	6.6.9	
RP-010075	CRs (Rel-4) for WI "RAN Technical Small Enhancements and Improvements"	TSG-RAN WG1	6.8	

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RP-010076	Status report WI "Low Chip Rate TDD and Low Chip Rate TDD Physical Layer"	Rapporteur	6.7.1	
RP-010077	Status report WI "NodeB Synchronisation for TDD"	Rapporteur	6.6.7	
RP-010078	Status report WI "DSCH power control improvement in soft handover"	Rapporteur	6.6.9	
RP-010079	Status report WI "Terminal power saving features"	Rapporteur	6.6.6	RP-010233
RP-010080	Status report SI "USTS"	Rapporteur	6.6.11	
RP-010081	Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning"	Qualcomm	6.9.2	RP-010235
RP-010082	Expanding UMTS Co-existence WI to Include PCS1900 Band Operation	AT&T Wireless Services, Cingular	6.1.3	
RP-010083	Regional requirements on Test Tolerances	ARIB	5.4.2	
RP-010084	Status report for Release 99 specifications	TSG-RAN WG4 Chairman	5.4.1	
RP-010085	CRs (R'99) to TS 25.101	TSG-RAN WG4	5.4.3	
RP-010086	CRs (R'99) to TS 25.102	TSG-RAN WG4	5.4.3	
RP-010087	CRs (R'99) to TS 25.104	TSG-RAN WG4	5.4.3	
RP-010088	CRs (R'99) to TS 25.105	TSG-RAN WG4	5.4.3	
RP-010089	CRs (R'99) to TS 25.113	TSG-RAN WG4	5.4.3	
RP-010090	CRs (R'99) to TS 25.123	TSG-RAN WG4	5.4.3	
RP-010091	CRs (R'99) to TS 25.133	TSG-RAN WG4	5.4.3	
RP-010092	CRs (R'99) to TS 25.141	TSG-RAN WG4	5.4.3	
RP-010093	CRs (R'99) to TS 25.142	TSG-RAN WG4	5.4.3	
RP-010094	CRs (R'99) to TR 34.124	TSG-RAN WG4	5.4.3	
RP-010095	Status report WI "UMTS 1800"	Rapporteur	6.1.3	
RP-010096	CRs (Rel-4) for WI "UMTS 1800"	TSG-RAN WG4	6.1.3	
RP-010097	CRs (Rel-4) for WI "Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing"	TSG-RAN WG4	6.7.5	
RP-010098	CRs (Rel-4) for WI "UTRA FDD Repeater Specification"	TSG-RAN WG4	6.1.2	
RP-010099	CRs (Rel-4) for WI "Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99"	TSG-RAN WG4	6.5.1	
RP-010100	CRs (Rel-4) for WI "RAN Technical Small Enhancements and Improvements"	TSG-RAN WG4	6.8	
RP-010101	CRs (Rel-4) for WI "NodeB Synchronisation for TDD"	TSG-RAN WG4	6.6.7	
RP-010102	Status report WI "UTRA FDD Repeater Specification"	Rapporteur	6.1.2	
RP-010103	TS 25.106 v2.0.0	TSG-RAN WG4	6.1.2	
RP-010104	TS 25.143 v2.0.0	TSG-RAN WG4	6.1.2	
RP-010105	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	5.3.1	RP-010204
RP-010106	List of Agreed CRs from WG3	MCC	5.3.3	
RP-010107	CRs (R'99) to TS 25.401	TSG-RAN WG3	5.3.3	
RP-010108	CRs (R'99) to TS 25.402	TSG-RAN WG3	5.3.3	
RP-010109	CRs (R'99) to TS 25.411	TSG-RAN WG3	5.3.3	
RP-010110	CRs (R'99) to TS 25.413 (1)	TSG-RAN WG3	5.3.3	
RP-010111	CRs (R'99) to TS 25.413 (2)	TSG-RAN WG3	5.3.3	
RP-010112	CRs (R'99) to TS 25.414	TSG-RAN WG3	5.3.3	
RP-010113	CRs (R'99) to TS 25.415	TSG-RAN WG3	5.3.3	
RP-010114	CRs (R'99) to TS 25.419	TSG-RAN WG3	5.3.3	
RP-010115	CRs (R'99) to TS 25.420	TSG-RAN WG3	5.3.3	
RP-010116	CRs (R'99) to TS 25.421	TSG-RAN WG3	5.3.3	
RP-010117	CRs (R'99) to TS 25.423 (1)	TSG-RAN WG3	5.3.3	

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RP-010119	CRs (R'99) to TS 25.424	TSG-RAN WG3	5.3.3	
RP-010120	CRs (R'99) to TS 25.425	TSG-RAN WG3	5.3.3	
RP-010121	CRs (R'99) to TS 25.426	TSG-RAN WG3	5.3.3	
RP-010122	CRs (R'99) to TS 25.427	TSG-RAN WG3	5.3.3	
RP-010123	CRs (R'99) to TS 25.430	TSG-RAN WG3	5.3.3	
RP-010124	CRs (R'99) to TS 25.431	TSG-RAN WG3	5.3.3	
RP-010125	CRs (R'99) to TS 25.433 (1)	TSG-RAN WG3	5.3.3	
RP-010126	CRs (R'99) to TS 25.433 (2)	TSG-RAN WG3	5.3.3	
RP-010127	CRs (R'99) to TS 25.434	TSG-RAN WG3	5.3.3	
RP-010128	CRs (R'99) to TS 25.435	TSG-RAN WG3	5.3.3	
RP-010129	CRs (R'99) to TR 25.853	TSG-RAN WG3	5.3.3	
RP-010130	CRs (R'99) to TR 25.931	TSG-RAN WG3	5.3.3	
RP-010131	Status report WI "PS-Domain handover for real-time services"	Rapporteur	6.2.2	
RP-010132	TR 25.936	Rapporteur	6.2.2	
RP-010133	Status report WI "RAB Quality of Service Negotiation over Iu during relocation"	Rapporteur	6.11	
RP-010134	Status report WI "RAB Quality of Service Negotiation over Iu"	Rapporteur	6.2.3.1	
RP-010135	TR 25.946	Rapporteur	6.2.3.1	
RP-010136	Status report WI "RAB Quality of Service Renegotiation over Iu"	Rapporteur	6.2.3.2	
RP-010137	TR 25.851	Rapporteur	6.2.3.2	
RP-010138	Status report WI "Transcoder Free Operations in UTRAN"	Rapporteur	6.4	
RP-010139	TR 25.953	Rapporteur	6.4	
RP-010140	Status report WI "Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99"	Rapporteur	6.5.1	
RP-010141	TR 25.850	Rapporteur	6.5.1	
RP-010142	Status report WI "RRM optimizations for Iur and Iub"	Rapporteur	6.2.1	
RP-010143	TR 25.935	Rapporteur	6.2.1	
RP-010144	Status report WI "IP Transport in UTRAN"	Rapporteur	6.3.1	
RP-010145	TR 25.933	Rapporteur	6.3.1	
RP-010146	Status report WI "QoS optimization for AAL type 2 connections over Iub and Iur interfaces"	Rapporteur	6.3.2	
RP-010147	TR 25.934	Rapporteur	6.3.2	
RP-010148	Status report WI "Migration to Modification procedure"	Rapporteur	6.3.3	
RP-010149	TR 25.954	Rapporteur	6.3.3	
RP-010150	Status report WI "Low Chip Rate TDD UTRAN network Iub/Iur protocol aspects"	Rapporteur	6.7.4	
RP-010151	TR 25.937	Rapporteur	6.7.4	
RP-010152	TR 25.938	Rapporteur	6.6.6	
RP-010153	TR 25.838	Rapporteur	6.6.7	
RP-010154	TR 25.849	Rapporteur	6.6.9	
RP-010155	CRs (Rel-4) to TR 25.936	Rapporteur	6.2.2	
RP-010156	CRs (Rel-4) to TR 25.946	Rapporteur	6.2.3.1	
RP-010157	CRs (Rel-4) to TR 25.851	Rapporteur	6.2.3.2	withdrawn
RP-010158	CRs (Rel-4) to TR 25.953	Rapporteur	6.4	
RP-010159	CRs (Rel-4) to TR 25.850	Rapporteur	6.5.1	
RP-010160	CRs (Rel-4) to TR 25.935	Rapporteur	6.2.1	
RP-010161	CRs (Rel-4) to TR 25.933	Rapporteur	6.3.1	withdrawn
RP-010162	CRs (Rel-4) to TR 25.934	Rapporteur	6.3.2	
RP-010163	CRs (Rel-4) to TR 25.954	Rapporteur	6.3.3	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-010164	CRs (Rel-4) to TR 25.937	Rapporteur	6.7.4	
RP-010165	CRs (Rel-4) to TR 25.938	Rapporteur	6.6.6	
RP-010166	CRs (Rel-4) to TR 25.838	Rapporteur	6.6.7	
RP-010167	CRs (Rel-4) to TR 25.849	Rapporteur	6.6.9	
RP-010168	Proposed WI "RAB Quality of Service Negotiation over lu during relocation"	TSG-RAN WG3	6.11	
RP-010169	TR 30.531 v0.8.8	MCC	5.4.3	
RP-010170	Proposed WI "Enhancement on the DSCH hard split mode"	Samsung	6.11	RP-010205
RP-010171	Revised WI sheet for SI "USTS"	Rapporteur	6.6.11	
RP-010172	Status Report WI "TDD Base station classification" & TR 25.952	Rapporteur	6.1.1.2	
RP-010173	Justification for UE Support for CPCH in Release 4	GBT	6.11	
RP-010174	UE Support for CPCH in Release 4	GBT	6.11	
RP-010175	RAN Ways Forward for CPCH	GBT	6.11	withdrawn
RP-010176	Proposed WI "Mitigating the Effect of CPICH Interference at the UE"	Intel Corp.	6.11	RP-010231
RP-010177	Mitigating the Effect of CPICH Interference at the UE	Intel Corp.	6.11	
RP-010178	CR 014 to TR 21.900	MCC	10	
RP-010179	CR 004 to TS 21.101	MCC	10	
RP-010180	TS 21.102 v2.0.0	MCC	10	
RP-010181	TS 41.102 v2.0.0	MCC	10	
RP-010182	Specs status list prior to TSGs#11	MCC	10	
RP-010183	Spec numbers and titles	MCC	10	
RP-010184	Release 4 specs expected to be created in March 2001	MCC	6.12	
RP-010185	Status Report	ITU-R Ad Hoc contact person	5.5	
RP-010186	Procedure to enable TSG RAN to provide necessary material to ITU-R WP 8F for incorporation of updated CDMA DS and TDD in Rec. M.1457 by Oct'01	Ericsson, Nokia, TILab, VoiceStream	5.5	
RP-010187	Proposed WI "Node B Resource Model improvements"	Alcatel	6.11	RP-010253
RP-010188	Proposed WI "Signalling of lub bearer requirements over lur"	Alcatel	6.11	
RP-010189	CRs (Rel-4) for WI "RAN Technical Small Enhancements and Improvements"	TSG-RAN WG3	6.8	
RP-010190	TR 25.956 v0.2.0	TSG-RAN WG4	6.1.2	
RP-010191	TR 25.848 v1.0.0	TSG-RAN WG1	6.6.4	
RP-010192	(S3-010136, to TSG-RAN) LS on UE ciphering capabilities	TSG-SA WG3	4.1	
RP-010193	Request for information for proposed ITU-T technical report being developed by the special study group on "IMT-2000 and beyond"	ITU-T SSG	4.2	
RP-010194	Request for information for proposed ITU-T recommendations being developed by the special study group on "IMT-2000 and beyond"	ITU-T SSG	4.2	
RP-010195	(R1-010427, copy TSG-RAN) LS on Recommendations on HSDPA	TSG-RAN WG1	4.3	
RP-010196	(R3-010928, copy TSG-RAN) Response to LS (S5-010012) on UO&M Procedures Work Item	TSG-RAN WG3	4.3	
RP-010197	(R4-010451, to TSG-RAN) LS on 3GPP Vocabulary document TR 21.905	TSG-RAN WG4	4.3	
RP-010198	(BRAN22d115, to TSG-RAN) LS on HIPERACCESS	ETSI EP BRAN	4.2	
RP-010199	Proposed CR 676r1 to 25.331 (R'99) on Checking the integrity of UE security capabilities	Nokia	5.2.3	RP-010274
RP-010200	Proposed CR 064r3 to 25.304 (R'99) on Equivalent PLMN codes	Telia	5.2.3	
RP-010201	MCC review of the Work Plan	MCC	6	
RP-010202	Work Plan - version March 9th	MCC	6	RP-010230
RP-010203	Work Item sheets - latest situation	Secretary	6	
RP-010204	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	5.3.1	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-010205	Proposed WI "Enhancement on the DSCH hard split mode"	Samsung, LG Electronics	6.11	
RP-010206	Ensuring backward compatibility for Release 99 specifications	NTT DoCoMo, Hutchison 3G UK, Japan Telecom, Omnitel/Vodafone, Telia, Telefonica, TIM/TILAB, Vodafone Group Plc, Alcatel, Ericsson, Fujitsu, Motorola, NEC, Nokia, Panasonic	10	RP-010226
RP-010207	Proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	Nokia, Hutchison 3G, Omnitel/Vodafone	6.11	
RP-010208	Proposed SI "Open CRMS-RNS Interface to support Common Radio Resource Management"	Nokia	6.11	RP-010275
RP-010209	Proposed WI "Traffic Termination Point Swapping"	Nokia	6.11	
RP-010210	Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning methods"	Nokia, Hutchison 3G	6.11	
RP-010211	RRC and backwards compatibility	Nokia	10	
RP-010212	Presentation for proposed WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	Nokia	6.11	
RP-010213	Proposed SI "MIMO techniques for HSDPA"	Motorola, Nokia	6.11	
RP-010214	Summary of e-mail discussions on UTRAN Architecture Enhancements	Convenor for e-mail discussions	6.10	
RP-010215	Proposed WI "UE positioning enhancements for 1.28 Mcps TDD"	CWTS/CATT	6.11	
RP-010216	Proposed WI "Node B Synchronisation for 1.28 Mcps TDD"	CWTS/CATT	6.11	
RP-010217	Status report WI "FDD Base station classification"	Rapporteur	6.1.1.1	
RP-010218	Proposed CR 145r1 to 25.214	Nokia	5.1.3	RP-010254
RP-010219	Operating Frequency Band as a Release independent work item	Motorola, Nokia, Alcatel, Nortel, Ericsson	6.1.3	
RP-010220	TR 25.942 v2.4.2	TSG-RAN WG4	5.4.3	
RP-010221	Impact of packet mode (CPCH) capacity gain on 3G deployment of non real time services	SBC Technology, GBT	6.11	
RP-010222	Traffic characteristics of various 3G non real time services	GBT	6.11	
RP-010223	CPCH financial benefits to 3G service providers/network operators	Arthur D.Little, GBT	6.11	RP-010263
RP-010224	Proposed CR 154r2 to 25.214	Ericsson, Philips, Nokia	5.1.3	
RP-010225	Proposed Positioning Calculation Application Part (PCAP) Specification	Qualcomm Europe	6.9.2	
RP-010226	Ensuring backward compatibility for Release 99 specifications	NTT DoCoMo, Hutchison 3G UK, Japan Telecom, Omnitel/Vodafone, Telia, Telefonica, TIM/TILAB, Vodafone Group Plc, Alcatel, Ericsson, Fujitsu, Lucent Technologies, Motorola, NEC, Nokia, Panasonic	10	
RP-010227	Proposed SI "Fast Cell Selection (FCS) for HS-DSCH"	Motorola	6.6.4	
RP-010228	Proposed SI "Fast Cell Selection (FCS) for HS-DSCH"	Motorola	6.6.4	withdrawn
RP-010229	HSDPA study item: the way forward	Lucent Technologies, Nortel Networks	6.6.4	
RP-010230	Work Plan	MCC	6	
RP-010231	Proposed WI "Mitigating the Effect of CPICH Interference at the UE"	Intel Corp.	6.11	
RP-010232	Status report SI "UE antenna efficiency test methods performance requirements"	Allgon	6.1.4	
RP-010233	Status report WI "Terminal power saving features"	Rapporteur	6.6.6	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-010234	Proposed WI "UMTS 1900"	Cingular, AWS, Motorola, Nortel Networks, Nokia, Ericsson, VoiceStream Wireless	6.11	
RP-010235	Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning"	Qualcomm	6.9.2	RP-010235
RP-010236	Cover Sheet for TR 25.953	MCC	6.4	
RP-010237	Cover Sheet for TR 25.954	MCC	6.3.3	
RP-010238	Cover Sheet for TR 25.936	MCC	6.2.2	
RP-010239	Cover Sheet for TR 25.851	MCC	6.2.3.2	
RP-010240	Cover Sheet for TR 25.937	MCC	6.7.4	
RP-010241	Cover Sheet for TR 25.849	MCC	6.6.9	
RP-010242	Cover Sheet for TR 25.946	MCC	6.2.3.1	
RP-010243	Cover Sheet for TR 25.850	MCC	6.5.1	
RP-010244	Cover Sheet for TR 25.934	MCC	6.3.2	
RP-010245	Cover Sheet for TR 25.838	MCC	6.6.7	
RP-010246	Cover Sheet for TR 25.938	MCC	6.6.6	
RP-010247	Development of solutions for High Speed Downlink Packet Access	TIM/Telecom Italia Lab, Omnitel/Vodafone, Telefonica, Sonera, VoiceStream, Telia AB, AT&T Wireless Services	6.6.4	RP-010249
RP-010248	Proposal to introduce the SIR measurement	TIM/Telecom Italia Lab, Telefonica, Mobilkom Austria, AT&T Wireless Services, Blu	6.11	
RP-010249	Development of solutions for High Speed Downlink Packet Access	TIM/Telecom Italia Lab, Omnitel/Vodafone, Telefonica, Sonera, VoiceStream, Telia AB, Telekom Austria, Cingular, Blu	6.6.4	
RP-010250	Proposed CR to 25.141 on Regional requirements for Test Tolerances	ARIB	5.4.3	RP-010268
RP-010251	Proposed WI "MIMO"	Lucent Technologies	6.6.4	RP-010267
RP-010252	LS from TSG-SA WG2 to TSG-RAN WG3 asking for delay of RAN QoS WI to Rel-5	TSG-RAN WG3 Chairman	6.2.3.1	
RP-010253	Proposed WI "Node B Resource Model improvements"	Alcatel	6.11	
RP-010254	Proposed CR 145r2 to 25.214	Nokia	5.1.3	
RP-010255	Proposed CR 095r2 to 25.211	Nokia	6.8	
RP-010256	Status Report WI "TDD Base station classification"	Rapporteur	6.1.1.2	
RP-010257	Impact of Packet Mode Capacity Gain on 3G deployment of non real time services	GBT, ADL, SBC Technology Resources	6.11	
RP-010258	Traffic characteristics of various 3G non real time services	GBT	6.11	
RP-010259	Proposed CR 095r3 to 25.211	Nokia, Ericsson, Panasonic	5.1.2	RP-010269
RP-010260	Proposed SI "Mitigating the Effect of CPICH Interference at the UE"	Intel Corp.	6.11	
RP-010261	Proposed WI "RL Timing Adjustment"	Ericsson, Nokia, Philips, Qualcomm	6.11	
RP-010262	Proposed WI "HSDPA"	Motorola, Nokia, Ericsson, Vodafone Group, Mannesmann Mobilfunk	6.6.4	
RP-010263	CPCH financial benefits to 3G service providers/network operators	Arthur D.Little, GBT	6.11	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-010264	Proposed LS (to TSG-SA) on Operating Frequency Band as a Release independent work item	Motorola	8	RP-010278
RP-010265	Draft response (to EP BRAN; copy TSG-RAN WG3) to LS (BRAN22d115) on HIPERACCESS	TSG-RAN WG3 Chairman	8	RP-010279
RP-010266	Proposed WI "Gated DPCCH Transmission"	Samsung	6.11	
RP-010267	Proposed WI "MIMO"	Lucent Technologies	6.6.4	
RP-010268	Proposed CR to 25.141 on Regional requirements for Test Tolerances	ARIB	5.4.3	
RP-010269	Proposed CR 095r3 to 25.211	Nokia, Ericsson, Panasonic	5.1.2	
RP-010270	Proposed WI "Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning"	Qualcomm	6.9.2	
RP-010271	Proposed WI "Separation of resource reservation and radio link activation"	Ericsson	6.11	
RP-010272	Revised WI sheet for WI "RRM optimization for lur and lub" for Release 4	Rapporteur	6.1.2	
RP-010273	Revised WI sheet for WI "RRM optimization for lur and lub" for Release 5	Rapporteur	6.1.2	
RP-010274	Proposed CR 676r2 to 25.331 (R'99) on Checking the integrity of UE security capabilities	Nokia	5.2.3	
RP-010275	Proposed SI "Open CRMS-RNS Interface to support Common Radio Resource Management"	Nokia	6.11	
RP-010276	Recommendations applying to corrections of Release 99 specifications	Drafting group (NTT DoCoMo, Alcatel, Ericsson, Nokia, Nortel Networks)	10	
RP-010277	Creation of Release 4 versions of the TSG RAN WG1 specifications	TSG-RAN WG1 Chairman	6.12	
RP-010278	LS (to TSG-SA) on Operating Frequency Band as a Release independent work item	TSG-RAN	8	
RP-010279	Response (to EP BRAN; copy TSG-RAN WG3) to LS (BRAN22d115) on HIPERACCESS	TSG-RAN	8	

Annex C: Status table of CRs

Spec	CR	Rev	Cat	Phase	Doc-1st-Level	Doc-2nd-Level	Subject	Status-1st-Level	Version-New	WG-Responsible
25.101	86		F	R99	RP-010085	R4-010091	CR to 25.101 for Test Tolerances	approved	3.6.0	R4
25.101	87		F	R99	RP-010085	R4-010149	Proposed CR to TS 25.101 on subclause 3.2 Abbreviations	approved	3.6.0	R4
25.101	88		F	R99	RP-010085	R4-010196	Correction of version number of the ITU-R Recommendation SM.329	approved	3.6.0	R4
25.101	89		F	R99	RP-010085	R4-010337	REL 99 Corrections	approved	3.6.0	R4
25.101	90		F	R99	RP-010085	R4-010350	Tx power during measurement on Rx characteristics	approved	3.6.0	R4
25.101	91		F	R99	RP-010085	R4-010412	Removal of square brackets and TBDs from TS 25.101	approved	3.6.0	R4
25.101	92		F	R99	RP-010085	R4-010439	Correction of Definition of multi-code OCNS signal	approved	3.6.0	R4
25.101	93		F	R99	RP-010085	R4-010461	Performance requirement for 250km/h	approved	3.6.0	R4
25.101	94		F	R99	RP-010085	R4-010351	TS25.101 Rel 99 Clarification of UARFCN (channel number)	approved	3.6.0	R4
25.101	95		B	Rel-4	RP-010096	R4-010466	REL 4 Document restructure and changes	postponed		R4
25.101	96		F	Rel-4	RP-010100	R4-010281	Performance requirements BCH	approved	4.0.0	R4
25.101	97		F	Rel-4	RP-010100	R4-010413	Performance requirements for paging channel	approved	4.0.0	R4
25.101	98		F	Rel-4	RP-010100	R4-010454	Performance requirements for Acquisition Indicator channel	approved	4.0.0	R4
25.102	41		F	R99	RP-010086	R4-010037	Relationship between Minimum Requirements and Test Tolerances.	approved	3.6.0	R4
25.102	42		F	R99	RP-010086	R4-010153	Requirements for out-of-synchronisation handling of output power during DTX	approved	3.6.0	R4
25.102	43		F	R99	RP-010086	R4-010164	UE Power Control Accuracy	approved	3.6.0	R4
25.102	44		F	R99	RP-010086	R4-010197	Correction of version number of the ITU-R Recommendation SM.329	approved	3.6.0	R4
25.102	45		B	Rel-4	RP-010097	R4-010423	UTRA (UE) TDD; Radio transmission and Reception	approved	4.0.0	R4
25.102	46		B	Rel-4	RP-010100	R4-010254	Service Mapping for 2 Mbps	approved	4.0.0	R4
25.102	47		B	Rel-4	RP-010100	R4-010252	UE Performance Requirements for 2 Mbps	approved	4.0.0	R4
25.104	55		F	R99	RP-010087	R4-010092	CR to 25.104 for Test Tolerances	approved	3.6.0	R4
25.104	56		F	R99	RP-010087	R4-010339	Correction of reference to SM.329-8 in TS 25.104	approved	3.6.0	R4
25.104	57		F	R99	RP-010087	R4-010424	Receiver Blocking requirement for co-existence with GSM/DCS and co-located base stations - revised.	approved	3.6.0	R4
25.104	58		F	R99	RP-010087	R4-010385	UL Performance requirement in fast fading	approved	3.6.0	R4
25.104	59		F	R99	RP-010087	R4-010420	Performance requirement for 250km/h	approved	3.6.0	R4
25.104	60		F	R99	RP-010087	R4-010262	Definition of EVM / PCDE measurement period	approved	3.6.0	R4
25.104	61		F	R99	RP-010087	R4-010433	Inclusion of environmental requirements	approved	3.6.0	R4
25.104	62		B	Rel-4	RP-010096	R4-010447	TS25.104 REL 4 - Document structure	postponed		R4
25.104	63		B	Rel-4	RP-010100	R4-010384	RACH performance requirements	approved	4.0.0	R4
25.105	48		F	R99	RP-010088	R4-010424	Receiver Blocking requirement for co-existence with GSM/DCS and co-located base stations.	approved	3.6.0	R4
25.105	49		F	R99	RP-010088	R4-010038	Relationship between Minimum Requirements and Test Tolerances.	approved	3.6.0	R4
25.105	50		F	R99	RP-010088	R4-010376	Correction of reference to SM.329-8 in TS25.105	approved	3.6.0	R4
25.105	51		F	R99	RP-010088	R4-010459	BS EVM definition	approved	3.6.0	R4

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25.105	52		B	Rel-4	RP-010097	R4-010291	UTRA (BS) TDD; Radio transmission and Reception	approved	4.0.0	R4
25.113	10		B	Rel-4	RP-010097	R4-010292	Base station electromagnetic compatibility (EMC) for 1.28Mcps TDD	approved	4.0.0	R4
25.113	11		B	Rel-4	RP-010098	R4-010409	Text proposal for EMC for Repeater	approved	4.0.0	R4
25.113	8		F	R99	RP-010089	R4-010246	Correction to the description of the radiated spurious emission test method	approved	3.5.0	R4
25.113	9		F	R99	RP-010089	R4-010333	Alignment of TS25.113 with CISPR 22 standard	approved	3.5.0	R4
25.123	35		F	R99	RP-010090	R4-010039	Deletion of cell-selection requirements	approved	3.5.0	R4
25.123	36		B	Rel-4	RP-010101	R4-010045	NodeB Synchronisation Measurements performance requirements	approved	4.0.0	R4
25.123	37		F	R99	RP-010090	R4-010295	Corrections in idle mode and corresponding test cases.	approved	3.5.0	R4
25.123	38		F	R99	RP-010090	R4-010362	Section 8 changes	approved	3.5.0	R4
25.123	39		F	R99	RP-010090	R4-010363	Section 9 Changes	approved	3.5.0	R4
25.123	40		F	R99	RP-010090	R4-010389	Correction of the cell-reselection and handover requirements in connected mode.	approved	3.5.0	R4
25.123	41		F	R99	RP-010090	R4-010390	Change and completion of the cell-reselection requirements in CELL-FACH state.	approved	3.5.0	R4
25.123	42		F	R99	RP-010090	R4-010377	Change of the cell-reselection requirements.	approved	3.5.0	R4
25.123	43		F	R99	RP-010090	R4-010452	Extension of reporting range for UTRAN UL measurements	approved	3.5.0	R4
25.123	44		B	Rel-4	RP-010097	R4-010443	Requirements for Support of Radio Resources Management (TDD) for 1.28Mcps TDD	approved	4.0.0	R4
25.123	45		F	Rel-4	RP-010099	R4-010446	UE/UTRAN GPS Timing of Cell Frames for UP	approved	4.0.0	R4
25.133	66		F	R99	RP-010091	R4-010014	General idle mode requirements	approved	3.5.0	R4
25.133	67		F	R99	RP-010091	R4-010025	Removal of Signalling Delay Requirements	approved	3.5.0	R4
25.133	68		F	R99	RP-010091	R4-010172	FDD/GSM handover	approved	3.5.0	R4
25.133	69		F	R99	RP-010091	R4-010173	Revised Correction of hard handover delay requirements	approved	3.5.0	R4
25.133	70		F	R99	RP-010091	R4-010181	Cell-Reselection, Measurements of inter-frequency TDD cells	approved	3.5.0	R4
25.133	71		F	R99	RP-010091	R4-010217	Correction of number of events that should be handled by the UE	approved	3.5.0	R4
25.133	72		F	R99	RP-010091	R4-010224	Revised limitations to the usage of compressed mode patterns	approved	3.5.0	R4
25.133	73		F	R99	RP-010091	R4-010469	Measurements on FDD and TDD in Cell-FACH state	approved	3.5.0	R4
25.133	74		F	R99	RP-010091	R4-010467	Measurements on GSM in Cell-FACH state	approved	3.5.0	R4
25.133	75		F	R99	RP-010091	R4-010468	Cell re-selection in Cell-FACH state	approved	3.5.0	R4
25.133	76		F	R99	RP-010091	R4-010453	General Measurement Requirements in CELL_DCH State	approved	3.5.0	R4
25.133	77		F	R99	RP-010091	R4-010456	GSM Measurements	approved	3.5.0	R4
25.133	78		F	R99	RP-010091	R4-010455	Cell reselection performance	approved	3.5.0	R4
25.133	79		F	R99	RP-010091	R4-010331	CPICH Ec/Io mapping	approved	3.5.0	R4
25.133	80		F	R99	RP-010091	R4-010255	UTRAN transport channel BLER measurement	approved	3.5.0	R4
25.133	81		F	R99	RP-010091	R4-010256	UTRAN physical channel BER measurement	approved	3.5.0	R4
25.133	82		F	R99	RP-010091	R4-010298	Test case for FDD/TDD cell re-selection .	approved	3.5.0	R4
25.133	83		F	R99	RP-010091	R4-010320	Requirements for event triggered reporting in fading conditions	approved	3.5.0	R4
25.133	84		F	R99	RP-010091	R4-010392	Modification of soft handover requirements	approved	3.5.0	R4
25.133	85		F	R99	RP-010091	R4-010460	Clarifications of TDD measurements and the use of compressed mode pattern for TDD measurements.	approved	3.5.0	R4
25.133	86		F	R99	RP-010091	R4-010450	UE transmit Timing	approved	3.5.0	R4
25.133	87		F	R99	RP-010091	R4-010393	Correction of the FDD/TDD handover requirement in connected mode.	approved	3.5.0	R4
25.133	88		F	Rel-4	RP-010099	R4-010322	UE/UTRAN GPS Timing of Cell Frames for LCS	approved	4.0.0	R4

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25.141	083		F	R99	RP-010250		Regional requirements on Test Tolerance	revised		R4
25.141	083		F	R99	RP-010268		Regional requirements on Test Tolerance	approved	3.5.0	R4
25.141	66		F	R99	RP-010092	R4-010424	Correction of blocking test. Alignment with CR to 25.104.	approved	3.5.0	R4
25.141	67		F	R99	RP-010092	R4-010385	UL Performance requirement in fast fading	approved	3.5.0	R4
25.141	68		F	R99	RP-010092	R4-010420	Test description for Case 4(250km/h)	approved	3.5.0	R4
25.141	69		F	R99	RP-010092	R4-010215	Proposed CR to 25.141 on Spectrum Emissions Mask	approved	3.5.0	R4
25.141	70		F	R99	RP-010092	R4-010079	Correction to PICH frame structure	approved	3.5.0	R4
25.141	71		F	R99	RP-010092	R4-010237	Addition of S-CCPCH containing PCH into test models	approved	3.5.0	R4
25.141	72		F	R99	RP-010092	R4-010321	UTRAN Received total wideband power	approved	3.5.0	R4
25.141	73		F	R99	RP-010092	R4-010340	Correction of reference to SM.329-8 in TS 25.141	approved	3.5.0	R4
25.141	74		F	R99	RP-010092	R4-010341	Corrections to Blocking and Rx Spurious emissions tests in TS 25.141	withdrawn		R4
25.141	75		F	R99	RP-010092	R4-010430	Rx spurious emissions measurement bandwidth in 25.141	approved	3.5.0	R4
25.141	76		F	R99	RP-010092	R4-010434	Conditions for BS conformance testing (FDD)	approved	3.5.0	R4
25.141	77		F	R99	RP-010092	R4-010437	CR to 25.141 for Test Tolerances	approved	3.5.0	R4
25.141	78		F	R99	RP-010092	R4-010266	CR to 25.141 for Test Tolerances in TX tests	approved	3.5.0	R4
25.141	79		F	R99	RP-010092	R4-010263	Definition of EVM	approved	3.5.0	R4
25.141	80		F	R99	RP-010092	R4-010438	Addition of CPICH to Test Model 4 for EVM measurement	approved	3.5.0	R4
25.141	81		F	R99	RP-010092	R4-010440	Re-introduction of the SCH period into the EVM / PCDE measurements	approved	3.5.0	R4
25.141	82		F	R99	RP-010092	R4-010470	Implementation of Test Tolerances (Receiver part)	approved	3.5.0	R4
25.142	47		F	R99	RP-010093	R4-010424	Correction of blocking test. Alignment with CR to 25.105.	approved	3.5.0	R4
25.142	48		F	R99	RP-010093	R4-010313	Handling of Test Tolerances - Clause 8 "Performance requirements"	approved	3.5.0	R4
25.142	49		F	R99	RP-010093	R4-010378	Correction of the version number of Recommendation ITU-R SM.329 used as a reference for spurious emissions specifications	approved	3.5.0	R4
25.142	50		F	R99	RP-010093	R4-010459	BS EVM definition	approved	3.5.0	R4
25.142	51		F	R99	RP-010093	R4-010386	Handling of Test Tolerances - Clause 5 "General test conditions and declarations"	approved	3.5.0	R4
25.142	52		F	R99	RP-010093	R4-010387	Handling of Test Tolerances - Clause 6 "Transmitter characteristics"	approved	3.5.0	R4
25.142	53		F	R99	RP-010093	R4-010388	Handling of Test Tolerances - Clause 7 "Receiver characteristics"	approved	3.5.0	R4
25.142	54		F	R99	RP-010093	R4-010314	Handling of Test Tolerances - Annexes	approved	3.5.0	R4
25.142	55		F	R99	RP-010093	R4-010426	Conditions for BS conformance testing (TDD)	approved	3.5.0	R4
25.142	56		B	Rel-4	RP-010097	R4-010294	BS Conformance test for 1.28Mcps TDD	approved	4.0.0	R4
25.201	006	1	B	Rel-4	RP-010071	R1-010377	Inclusion of 1.28Mcps TDD in TS 25.201	approved	4.0.0	R1
25.211	091	-	F	R99	RP-010058	R1-010034	DSCH reading indication	approved	3.6.0	R1
25.211	092	1	F	R99	RP-010058	R1-010368	Clarification of the S-CCPCH frame carrying paging information	approved	3.6.0	R1
25.211	093	1	F	Rel-4	RP-010075	R1-010347	Application of beamforming and combination of beamforming with TX-diversity on UTRA FDD downlink	revised		R1
25.211	095	1	F	R99	RP-010058	R1-010346	Phase Reference for Secondary CCPCH carrying FACH	approved	3.6.0	R1
25.211	095	2	F	R99	RP-010259		Phase Reference for Secondary CCPCH carrying FACH	withdrawn		R1
25.211	095	3	F	R99	RP-010255		Phase Reference for Secondary CCPCH carrying FACH	approved	3.6.0	R1
25.211	095	3	F	R99	RP-010269		Phase Reference for Secondary CCPCH carrying FACH	withdrawn		R1
25.211	096	-	F	R99	RP-010058	R1-010359	Uplink power control preamble	approved	3.6.0	R1
25.213	038	-	F	R99	RP-010059	R1-010247	Clarification of channelization codes when SF=512	approved	3.5.0	R1

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25.213	039	1	F	R99	RP-010059	R1-010348	Clarification of the scrambling code of a power control preamble	approved	3.5.0	R1
25.214	142	1	F	R99	RP-010060	R1-010112	Uplink power control in compressed mode	approved	3.6.0	R1
25.214	144	-	F	R99	RP-010060	R1-010052	Removal of the power balancing algorithm from TS 25.214	approved	3.6.0	R1
25.214	145	-	F	R99	RP-010060	R1-010053	Clarification of Nid parameter – when SSdT and uplink compressed mode are in operation	revised		R1
25.214	145	1	F	R99	RP-010254		Clarification of Nid parameter – when SSdT and uplink compressed mode are in operation	approved	3.6.0	R1
25.214	145	1	F	R99	RP-010218	R1-010053r	Clarification of Nid parameter – when SSdT and uplink compressed mode are in operation	approved	3.6.0	R1
25.214	146	-	F	R99	RP-010060	R1-010085	Clarification of closed loop transmit diversity mode 1 and mode 2 operation during compressed mode	approved	3.6.0	R1
25.214	148	1	F	R99	RP-010060	R1-010352	Clarification of UE SIR estimation	approved	3.6.0	R1
25.214	149	1	B	Rel-4	RP-010074	R1-010414	DSCH Power Control Improvement in soft handover	approved	4.0.0	R1
25.214	150	1	F	R99	RP-010060	R1-010357	Clarification of the order of SSdT signalling in 2 bit FBI	approved	3.6.0	R1
25.214	154	1	F	R99	RP-010060	R1-010359	Uplink power control preamble	revised		R1
25.214	154	2	F	R99	RP-010224	R1-010359	Uplink power control preamble	approved	3.6.0	R1
25.214	155	-	F	R99	RP-010060	R1-010279	Correction of limited power raise	approved	3.6.0	R1
25.214	156	-	F	R99	RP-010060	R1-010282	Clarification of initialisation procedure	approved	3.6.0	R1
25.214	158	-	F	R99	RP-010060	R1-010285	Definition of power control step size for algorithm 2	approved	3.6.0	R1
25.214	161	1	F	R99	RP-010060	R1-010353	Correction of the UE behaviour in SSdT mode	approved	3.6.0	R1
25.214	163	-	F	R99	RP-010060	R1-010419	Correction on downlink synchronisation primitives	approved	3.6.0	R1
25.215	079	2	F	R99	RP-010061	R1-010107	Correction of the observed time difference to GSM measurement	approved	3.6.0	R1
25.215	081	-	F	R99	RP-010061	R1-010071	Removal of UE SIR measurement	approved	3.6.0	R1
25.215	082	1	F	R99	RP-010061	R1-010340	Correction of GSM reference	approved	3.6.0	R1
25.215	083	-	F	R99	RP-010061	R1-010294	Correction of GPS Timing measurement	approved	3.6.0	R1
25.215	085	-	B	Rel-4	RP-010072	R1-010411	RTD measurement in UTRAN for FDD	approved	4.0.0	R1
25.215	086	-	F	R99	RP-010061	R1-010419	Correction on transport channel BLER	approved	3.6.0	R1
25.221	033	2	F	R99	RP-010062	R1-010350	Correction to SCH section	approved	3.6.0	R1
25.221	037	1	F	R99	RP-010062	R1-010019	Bit Scrambling for TDD	approved	3.6.0	R1
25.221	039	1	F	R99	RP-010062	R1-010111	Corrections of PUSCH and PDSCH	approved	3.6.0	R1
25.221	040	-	F	R99	RP-010062	R1-010021	Alteration of SCH offsets to avoid overlapping Midamble	approved	3.6.0	R1
25.221	041	-	F	R99	RP-010062	R1-010022	Clarifications & Corrections for TS25.221	approved	3.6.0	R1
25.221	042	2	B	Rel-4	RP-010073	R1-010381	Introduction of the Physical Node B Synchronization Channel	approved	4.0.0	R1
25.221	043	1	B	Rel-4	RP-010071	R1-010371	Inclusion of 1.28Mcps TDD in TS 25.221	approved	4.0.0	R1
25.221	044	-	C	Rel-4	RP-010072	R1-010226	Correction of beacon characteristics due to IPDLs	approved	4.0.0	R1
25.221	045	1	F	R99	RP-010062	R1-010379	Corrections on the PRACH and clarifications on the midamble generation and the behaviour in case of an invalid TFI combination on the DCHs	approved	3.6.0	R1
25.221	046	-	F	R99	RP-010062	R1-010265	Clarification of TFCI transmission	approved	3.6.0	R1
25.221	048	-	F	R99	RP-010062	R1-010341	Corrections to Table 5.b "Timeslot formats for the Uplink"	approved	3.6.0	R1
25.222	051	1	F	R99	RP-010063	R1-010019	Bit Scrambling for TDD	approved	3.6.0	R1
25.222	054	1	F	R99	RP-010063	R1-010242	Corrections & Clarifications for TS25.222	approved	3.6.0	R1
25.222	055	1	B	Rel-4	RP-010071	R1-010372	Inclusion of 1.28Mcps TDD in TS 25.222	approved	4.0.0	R1
25.223	015	1	F	R99	RP-010064	R1-010020	Code specific phase offsets for TDD	approved	3.5.0	R1

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25.223	016	-	B	Rel-4	RP-010073	R1-010202	Cell synchronisation codes for R'4 Node B sync over air interface in UTRA TDD	approved	4.0.0	R1
25.223	017	1	B	Rel-4	RP-010071	R1-010373	Inclusion of 1.28Mcps TDD in TS 25.223	approved	4.0.0	R1
25.224	036	-	F	R99	RP-010065	R1-010153	DTX and Special Burst Scheduling	approved	3.6.0	R1
25.224	037	1	F	R99	RP-010065	R1-010351	RACH random access procedure	approved	3.6.0	R1
25.224	044	2	B	Rel-4	RP-010073	R1-010383	Layer 1 procedure for Node B synchronisation	approved	4.0.0	R1
25.224	045	-	F	R99	RP-010065	R1-010016	Introduction of closed-loop Tx diversity for the PDSCH and DTX for the PUSCH/PDSCH	approved	3.6.0	R1
25.224	046	2	F	R99	RP-010065	R1-010358	Corrections of TDD power control sections	approved	3.6.0	R1
25.224	047	1	B	Rel-4	RP-010071	R1-010374	Inclusion of 1.28Mcps TDD in TS 25.224	approved	4.0.0	R1
25.224	048	1	B	Rel-4	RP-010072	R1-010389	Idle periods for IPDL location method	approved	4.0.0	R1
25.224	050	-	F	R99	RP-010065	R1-010209	Use of a special burst in reconfiguration	approved	3.6.0	R1
25.224	053	-	F	R99	RP-010065	R1-010252	Known TFCI for the TDD special burst	approved	3.6.0	R1
25.225	022	-	B	Rel-4	RP-010073	R1-010013	Measurements for Node B synchronisation	approved	4.0.0	R1
25.225	023	-	F	R99	RP-010066	R1-010107	Correction of the observed time difference to GSM measurement	approved	3.6.0	R1
25.225	024	1	B	Rel-4	RP-010071	R1-010375	Inclusion of 1.28Mcps TDD in TS 25.225	approved	4.0.0	R1
25.225	025	-	B	Rel-4	RP-010072	R1-010229	RTD measurement in UTRAN for UP-TDD	approved	4.0.0	R1
25.301	042		B	Rel-4	RP-010037	R2-010164	1.28Mcps TDD	approved	4.0.0	R2
25.301	043	1	F	R99	RP-010019	R2-010527	Correction for RACH/CPCH	approved	3.7.0	R2
25.301	044	2	F	R99	RP-010019	R2-010723	Correction to Signalling Radio Bearer	approved	3.7.0	R2
25.301	045	1	F	R99	RP-010019	R2-010528	Editorial update for Release'99	approved	3.7.0	R2
25.301	046		F	R99	RP-010019	R2-010481	Removal of FAUSCH	approved	3.7.0	R2
25.301	047	1	F	R99	RP-010019	R2-010529	Removal of ODMA channels	approved	3.7.0	R2
25.301	048	1	F	R99	RP-010019	R2-010668	UE Model Channel numbering	approved	3.7.0	R2
25.301	049		F	R99	RP-010019	R2-010602	Renaming of Dynamic Transport Channel Type Switching	approved	3.7.0	R2
25.301	050		F	R99	RP-010019	R2-010657	Removal of payload unit concept	approved	3.7.0	R2
25.302	084	2	F	R99	RP-010020	R2-010234	Additional physical channel combination for FDD downlink to allow COUNT-C-SFN difference measurement	approved	3.8.0	R2
25.302	087		F	R99	RP-010020	R2-010106	In & Out of Sync Indications per CCTrCH in TDD	approved	3.8.0	R2
25.302	088		F	R99	RP-010020	R2-010107	Correction & Clarification to TDD RACH Model and Primitives	approved	3.8.0	R2
25.302	089	1	F	R99	RP-010020	R2-010217	Alignment of measurements provided by the physical layer	approved	3.8.0	R2
25.302	090	2	B	Rel-4	RP-010037	R2-010564	1.28Mcps TDD	approved	4.0.0	R2
25.302	092	1	F	R99	RP-010020	R2-010535	Physical channel combinations in TDD	approved	3.8.0	R2
25.302	093	1	B	Rel-4	RP-010041	R2-010737	Measurements for Node B synchronisation	approved	4.0.0	R2
25.302	094		F	R99	RP-010020	R2-010533	Measurement model clarifications	approved	3.8.0	R2
25.302	095		F	R99	RP-010020	R2-010575	Removal of DPCCH Gating from Release 99	approved	3.8.0	R2
25.302	096	1	F	R99	RP-010020	R2-010672	Clarification of simultaneous operation of DRAC and CTCH	approved	3.8.0	R2
25.303	041	1	F	R99	RP-010021	R2-010218	Text corrections	approved	3.7.0	R2
25.303	042		F	R99	RP-010021	R2-010144	SRNS relocation	approved	3.7.0	R2
25.303	043		B	Rel-4	RP-010037	R2-010467	1.28Mcps TDD	approved	4.0.0	R2
25.303	044		F	R99	RP-010021	R2-010676	Clean-up	approved	3.7.0	R2
25.304	055	1	F	R99	RP-010022	R2-010215	Usage of HCS Parameters in Cell Reselection	approved	3.6.0	R2

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25.304	056		F	R99	RP-010022	R2-010115	Clarification of usage of "Initial UE-Id" for SCCPCH selection	approved	3.6.0	R2
25.304	057	1	B	Rel-4	RP-010037	R2-010166	Support of 1.28Mcps TDD	approved	4.0.0	R2
25.304	058		F	R99	RP-010022	R2-010212	Clarification of paging occasion	approved	3.6.0	R2
25.304	059	1	F	R99	RP-010022	R2-010530	Correction in Any Cell Selection State	approved	3.6.0	R2
25.304	061		F	R99	RP-010022	R2-010439	Correction to the definition of a suitable cell	approved	3.6.0	R2
25.304	062		F	R99	RP-010022	R2-010450	Correction to discontinuous reception in TDD	approved	3.6.0	R2
25.304	063	1	F	R99	RP-010022	R2-010561	Correction of PI calculation for Paging DRX	approved	3.6.0	R2
25.304	064	2	F	R99	RP-010022	R2-010680	Equivalent PLMN codes	revised		R2
25.304	064	3	F	R99	RP-010200		Equivalent PLMN codes	approved	3.6.0	R2
25.304	065		F	R99	RP-010022	R2-010656	High quality cell in PLMN selection	approved	3.6.0	R2
25.304	066		F	R99	RP-010022	R2-010677	Clean-up	approved	3.6.0	R2
25.305	040		F	R99	RP-010023	R2-010077	Correction to Assistance Data Delivery procedure	approved	3.5.0	R2
25.305	041	1	F	R99	RP-010023	R2-010228	Clarification of assisted GPS related parameters	approved	3.5.0	R2
25.305	042		F	R99	RP-010023	R2-010145	Clarification of paging initiation	approved	3.5.0	R2
25.305	044	4	B	Rel-5	RP-010044	R2-010692	Support of Stand-Alone A-GPS SMLC over an open interface	approved	5.0.0	R2
25.305	045	1	F	R99	RP-010023	R2-010629	Editorial Corrections	approved	3.5.0	R2
25.305	046	1	F	R99	RP-010023	R2-010630	Clarification of Timing Assistance	approved	3.5.0	R2
25.305	047		F	R99	RP-010023	R2-010418	Clarification of Integrity Monitor Function	approved	3.5.0	R2
25.305	048	1	C	Rel-4	RP-010040	R2-010644	Introduction of IPDLs for TDD	approved	4.0.0	R2
25.306	001		F	R99	RP-010024	R2-010523	Downlink rate matching limitation	approved	3.1.0	R2
25.306	003	1	B	Rel-4	RP-010038	R2-010510	1.28Mcps TDD	approved	4.0.0	R2
25.306	005		F	R99	RP-010024	R2-010372	Miscellaneous corrections and editorial clean-up	approved	3.1.0	R2
25.306	006	1	C	Rel-4	RP-010043	R2-010572	DSCH related updates for UE capabilities for the UE Radio Access Capability parameter combinations	approved	4.0.0	R2
25.306	007		F	R99	RP-010024	R2-010432	Maximum number of AM entity	approved	3.1.0	R2
25.306	008	1	F	R99	RP-010024	R2-010649	Clarification of maximum number of TF	approved	3.1.0	R2
25.306	010	1	F	R99	RP-010024	R2-010689	Removal of the RLC PU concept	approved	3.1.0	R2
25.306	011	1	B	Rel-4	RP-010039	R2-010762	Addition of ROHC	approved	4.0.0	R2
25.321	061		F	R99	RP-010025	R2-010096	Removal of FAUSCH	approved	3.7.0	R2
25.321	064		B	Rel-4	RP-010037	R2-010168	1.28Mcps TDD	approved	4.0.0	R2
25.321	066	3	F	R99	RP-010025	R2-010687	TFC selection algorithm correction	postponed		R2
25.321	067	3	F	R99	RP-010025	R2-010685	Miscellaneous corrections	approved	3.7.0	R2
25.321	068	2	F	R99	RP-010025	R2-010686	Clarification on Traffic Volume Measurement Procedure	approved	3.7.0	R2
25.321	070	1	F	R99	RP-010025	R2-010607	Clarification on parameters of the primitives	approved	3.7.0	R2
25.322	097	1	F	R99	RP-010026	R2-010647	Clarification on LIST SUFI and RLIST SUFI	approved	3.6.0	R2
25.322	098	1	F	R99	RP-010026	R2-010611	Corrections and clarifications for SDU discard without explicit signalling	approved	3.6.0	R2
25.322	099	1	F	R99	RP-010026	R2-010613	Tr mode operation	approved	3.6.0	R2
25.322	100	1	F	R99	RP-010026	R2-010612	Timer based discard with explicit signalling	approved	3.6.0	R2
25.322	101		F	R99	RP-010026	R2-010342	Annex updates	approved	3.6.0	R2
25.322	103		F	R99	RP-010026	R2-010351	Clarification on MRW SUFI and SDU discard procedure	approved	3.6.0	R2
25.322	104	1	F	R99	RP-010026	R2-010618	General clarification on SN arithmetic comparison	approved	3.6.0	R2

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25.322	105	2	F	R99	RP-010026	R2-010682	General clarification on RLC header and PDU header	approved	3.6.0	R2
25.322	106	1	F	R99	RP-010026	R2-010615	Clarification on the primitives between RLC and higher layers	approved	3.6.0	R2
25.322	107	1	F	R99	RP-010026	R2-010616	Clarification on the model of AM entity	approved	3.6.0	R2
25.322	109	2	F	R99	RP-010026	R2-010683	Clarification on UMD transfer procedure	approved	3.6.0	R2
25.322	110	1	F	R99	RP-010026	R2-010617	RLC status transmission in CELL_PCH and URA_PCH	approved	3.6.0	R2
25.322	111		F	R99	RP-010026	R2-010376	Re-establishment description	approved	3.6.0	R2
25.322	112	1	F	R99	RP-010026	R2-010619	Clarifications on the RESET and RESET ACK PDU sizes	approved	3.6.0	R2
25.322	113	1	F	R99	RP-010026	R2-010620	Editorial corrections and clarifications	approved	3.6.0	R2
25.322	114	1	F	R99	RP-010026	R2-010655	Clarifications on the RLC-AM-DATA-Conf primitive	approved	3.6.0	R2
25.322	116		F	R99	RP-010026	R2-010449	Removal of the payload unit concept	approved	3.6.0	R2
25.322	118	2	F	R99	RP-010026	R2-010721	Padding Blocks and TFC Selection pre-empting	approved	3.6.0	R2
25.323	017	2	B	Rel-4	RP-010039	R2-010763	Robust Header Compression	approved	4.0.0	R2
25.323	018	1	F	R99	RP-010027	R2-010684	Editorial Corrections	approved	3.4.0	R2
25.323	019	1	F	R99	RP-010027	R2-010706	Updates necessary for Rel-4 specification	approved	3.4.0	R2
25.324	007		F	R99	RP-010028	R2-010401	Corrections	approved	3.4.0	R2
25.331	642	2	F	R99	RP-010029	R2-010599	RL Failure in cell update procedure	approved	3.6.0	R2
25.331	645	1	F	R99	RP-010029	R2-010543	Clarification on COUNTER CHECK	approved	3.6.0	R2
25.331	646	2	F	R99	RP-010029	R2-010704	Traffic Volume Measurement corrections	approved	3.6.0	R2
25.331	650	2	F	R99	RP-010029	R2-010596	Reserved TFCI for the TDD Special Burst	approved	3.6.0	R2
25.331	653		F	R99	RP-010029	R2-010363	Correction to description of RRC state transitions	approved	3.6.0	R2
25.331	657		F	R99	RP-010029	R2-010378	RLC re-establish correction	approved	3.6.0	R2
25.331	658	1	F	R99	RP-010029	R2-010546	Removal of RLC logical channel mapping indicator	approved	3.6.0	R2
25.331	659		F	R99	RP-010029	R2-010380	New paging and establishment cause "Unknown"	approved	3.6.0	R2
25.331	660	1	F	R99	RP-010029	R2-010549	Miscellaneous procedure corrections	approved	3.6.0	R2
25.331	661		F	R99	RP-010029	R2-010382	Corrections to compressed mode pattern sequence handling	approved	3.6.0	R2
25.331	662		F	R99	RP-010029	R2-010383	Inter-system change clarifications	approved	3.6.0	R2
25.331	663	1	F	R99	RP-010029	R2-010675	RLC status transmission in CELL_PCH and URA_PCH	approved	3.6.0	R2
25.331	665	1	F	R99	RP-010029	R2-010551	Clarification of RB information parameter values for SRB0	approved	3.6.0	R2
25.331	666		F	R99	RP-010029	R2-010387	Encoding for RRC- container	approved	3.6.0	R2
25.331	667	2	F	R99	RP-010029	R2-010595	Update of message extension and encoding descriptions	approved	3.6.0	R2
25.331	668	4	F	R99	RP-010032	R2-010724	Introduction of default pre-defined configurations	approved	3.6.0	R2
25.331	669	2	F	R99	RP-010029	R2-010673	Security corrections	approved	3.6.0	R2
25.331	670		F	R99	RP-010029	R2-010398	Clarifications on Blind Handover Support	approved	3.6.0	R2
25.331	671	1	F	R99	RP-010029	R2-010663	Missing descriptions of UE actions	approved	3.6.0	R2
25.331	672	2	F	R99	RP-010029	R2-010716	Corrections on UE Positioning information	approved	3.6.0	R2
25.331	674	1	F	R99	RP-010029	R2-010573	Security related corrections to SRNS	approved	3.6.0	R2
25.331	675	2	F	R99	RP-010032	R2-010771	Downlink power offsets	approved	3.6.0	R2
25.331	676	2	F	R99	RP-010274		Checking the integrity of UE security capabilities	approved	3.6.0	R2
25.331	678	1	F	R99	RP-010030	R2-010594	Clarification to Secondary CCPCH info	approved	3.6.0	R2
25.331	679	1	F	R99	RP-010030	R2-010557	Miscellaneous corrections	approved	3.6.0	R2
25.331	680		F	R99	RP-010030	R2-010412	Removal of Layer 3 filtering for RACH	approved	3.6.0	R2

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25.331	681	2	F	R99	RP-010030	R2-010558	Correction of compressed mode parameters	approved	3.6.0	R2
25.331	682		F	R99	RP-010030	R2-010414	Removal of immediate cell evaluation	approved	3.6.0	R2
25.331	683	1	C	Rel-4	RP-010042	R2-010738	Modification of "SSDT Information" IE parameters to indicate if SSDT is used in the UL only	approved	4.0.0	R2
25.331	684	2	F	R99	RP-010030	R2-010719	Scheduling of SIB 15.2 and SIB 15.3	approved	3.6.0	R2
25.331	685	1	F	R99	RP-010030	R2-010559	Correction to ECN modules	approved	3.6.0	R2
25.331	686	1	F	R99	RP-010030	R2-010536	Improvement of the description of timing advance for TDD	approved	3.6.0	R2
25.331	687		F	R99	RP-010030	R2-010423	Correction on timing advance and allocation for shared channels	approved	3.6.0	R2
25.331	688	1	F	R99	RP-010030	R2-010560	Clarification on SF 1 signalling	approved	3.6.0	R2
25.331	689	1	F	R99	RP-010030	R2-010494	Correction to power control in TDD	approved	3.6.0	R2
25.331	690		F	R99	RP-010030	R2-010426	Midamble - Channelisation code association for TDD	approved	3.6.0	R2
25.331	691		F	R99	RP-010030	R2-010427	Network requested reporting for physical shared channel allocation	approved	3.6.0	R2
25.331	692	1	B	Rel-4	RP-010041	R2-010495	Idle allocation for Node B synchronisation	approved	4.0.0	R2
25.331	693		F	R99	RP-010030	R2-010433	System Information	approved	3.6.0	R2
25.331	694	1	F	R99	RP-010030	R2-010669	Clarification on Transport Channel Identity	approved	3.6.0	R2
25.331	696	1	F	R99	RP-010030	R2-010565	Editorial Correction	approved	3.6.0	R2
25.331	698	2	F	R99	RP-010030	R2-010544	Correction to add coding of intra domain NAS node selector	approved	3.6.0	R2
25.331	700	1	F	R99	RP-010030	R2-010537	Corrections to system information block characteristics in TDD	approved	3.6.0	R2
25.331	701	2	F	R99	RP-010030	R2-010570	ASN.1 corrections	approved	3.6.0	R2
25.331	702	2	F	R99	RP-010030	R2-010593	Measurement related corrections	approved	3.6.0	R2
25.331	703	1	F	R99	RP-010031	R2-010571	Clarifications on TFC Control procedure	approved	3.6.0	R2
25.331	704	2	F	R99	RP-010031	R2-010670	Association of PLMN ID to neighbour cells	approved	3.6.0	R2
25.331	705	1	F	R99	RP-010031	R2-010690	TFCS Selection Guidelines	approved	3.6.0	R2
25.331	706	1	B	Rel-4	RP-010037	R2-010701	Physical channel configuration information elements for 1.28 Mcps TDD	approved	4.0.0	R2
25.331	707	2	B	Rel-4	RP-010037	R2-010702	Changes to Measurement Related Signalling and Introduction of Cell (Re)selection Parameters for 1.28Mcps TDD	approved	4.0.0	R2
25.331	708	1	B	Rel-4	RP-010037	R2-010591	Introduction of RACH Parameters for 1.28 Mcps TDD	approved	4.0.0	R2
25.331	709		B	Rel-4	RP-010037	R2-010471	Introduction of UE radio access capability Parameters for 1.28 Mcps TDD	approved	4.0.0	R2
25.331	710		F	R99	RP-010031	R2-010474	Special Burst Scheduling During DTX in TDD	approved	3.6.0	R2
25.331	711	1	F	R99	RP-010031	R2-010577	Radio Link Failure Criteria in TDD	approved	3.6.0	R2
25.331	712	1	F	R99	RP-010031	R2-010578	Correction & Clarification to TDD RACH Subchannels	approved	3.6.0	R2
25.331	713	1	F	R99	RP-010031	R2-010581	Number of retransmission of RRC CONNECTION REQUEST	approved	3.6.0	R2
25.331	714		F	R99	RP-010031	R2-010579	Uplink Frequency Notification	approved	3.6.0	R2
25.331	715		F	R99	RP-010031	R2-010582	Clarification of Radio Bearer Mapping for DCH/DSCH Transport Channels	approved	3.6.0	R2
25.331	716		F	R99	RP-010031	R2-010583	Correction of mismatches between tabular and ASN.1	approved	3.6.0	R2
25.331	717		F	R99	RP-010031	R2-010584	Correction to discontinuous reception in TDD	approved	3.6.0	R2
25.331	718		F	R99	RP-010031	R2-010585	Power control preamble	approved	3.6.0	R2
25.331	719		F	R99	RP-010031	R2-010586	Maximum number of AM entity	approved	3.6.0	R2
25.331	720	1	F	R99	RP-010031	R2-010717	Real-time Integrity Broadcast	approved	3.6.0	R2
25.331	721	3	F	R99	RP-010031	R2-010695	Moving Real-time Integrity description to different chapter	approved	3.6.0	R2
25.331	722	1	C	Rel-4	RP-010040	R2-010639	Introduction of IPDLs for TDD	approved	4.0.0	R2
25.331	723	1	F	R99	RP-010031	R2-010671	Removal of the payload unit concept	approved	3.6.0	R2

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25.331	724		F	R99	RP-010031	R2-010674	Security related corrections to SRNS	approved	3.6.0	R2
25.331	725		F	R99	RP-010031	R2-010699	Periodic PLMN selection correction	approved	3.6.0	R2
25.331	726	1	B	Rel-4	RP-010039	R2-010764	ROHC updates to RRC	approved	4.0.0	R2
25.401	020	1	F	R99	RP-010107	R3-010196	UTRAN definitions	approved	3.6.0	R3
25.401	021	1	F	R99	RP-010107	R3-010195	Clarification of the definition of Co-ordinated DCHs	approved	3.6.0	R3
25.401	022		F	R99	RP-010107	R3-010142	Editorial Correction on protocol model in 25.401	approved	3.6.0	R3
25.401	023	1	B	Rel-4	RP-010164	R3-010709	The impacts on TS 25.401 for supporting low chip rate TDD	approved	4.0.0	R3
25.402	013	2	F	R99	RP-010108	R3-010203	Proposed CR to correct timing diagram on Node Synchronisation	approved	3.5.0	R3
25.402	014	3	B	Rel-4	RP-010164	R3-010997	The impacts on TS 25.402 for supporting low chip rate TDD	approved	4.0.0	R3
25.402	016	1	B	Rel-4	RP-010166	R3-010933	Introduction of Cell Synchronisation for TDD	approved	4.0.0	R3
25.402	017		B	Rel-4	RP-010166	R3-010697	Sync Port signal Extension	approved	4.0.0	R3
25.410	015	1	B	Rel-4	RP-010163	R3-010663	Introduction of Q.2630.2	approved	4.0.0	R3
25.411	004		F	R99	RP-010109	R3-010100	Fractional ATM on lu	approved	3.4.0	R3
25.413	236	1	F	R99	RP-010110	R3-010245	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	3.5.0	R3
25.413	238	1	F	R99	RP-010110	R3-010246	Relocation Command – RABS to be released IE	approved	3.5.0	R3
25.413	240	2	F	R99	RP-010110	R3-010744	New values for Paging Cause	approved	3.5.0	R3
25.413	241	1	F	R99	RP-010110	R3-010281	Condition for when to include DRX Cycle Length Coefficient	approved	3.5.0	R3
25.413	242	1	F	R99	RP-010110	R3-010282	Handling of Response messages with IEs with criticality = Ignore IE	approved	3.5.0	R3
25.413	243	1	F	R99	RP-010110	R3-010292	Clarification of lu signalling connection co-ordination for inter system handover	approved	3.5.0	R3
25.413	245	1	F	R99	RP-010110	R3-010929	Clarification of Condition for SDU Format Information	approved	3.5.0	R3
25.413	246		F	R99	RP-010110	R3-010174	Editorial correction to RANAP functions list	approved	3.5.0	R3
25.413	248	1	F	R99	RP-010110	R3-010248	RANAP Paging Procedure Description	approved	3.5.0	R3
25.413	249		F	R99	RP-010110	R3-010247	Clarification of definition of Class 1 Elementary Procedure (EP)	approved	3.5.0	R3
25.413	250	2	B	Rel-4	RP-010163	R3-010894	Introduction of transport bearer modification procedure	approved	4.0.0	R3
25.413	252	1	B	Rel-4	RP-010162	R3-011043	Support of PS realtime relocation in RANAP	approved	4.0.0	R3
25.413	253		F	R99	RP-010110	R3-010735	Modification of Relocation Requirement IE	approved	3.5.0	R3
25.413	254		F	R99	RP-010110	R3-010736	Interaction of Relocation and Location Report procedures	approved	3.5.0	R3
25.413	255		F	R99	RP-010110	R3-010738	Handling of RABs failing during relocation	approved	3.5.0	R3
25.413	256	1	F	R99	RP-010110	R3-010979	Corrections to RAB parameters	approved	3.5.0	R3
25.413	257		F	R99	RP-010110	R3-010741	Incomplete explanation of condition IfNotOnlyNSI	approved	3.5.0	R3
25.413	258		F	R99	RP-010110	R3-010742	Handling for SRNS Context Response at unavailable seq. no.s.	approved	3.5.0	R3
25.413	260		F	R99	RP-010110	R3-010761	Handling of the Procedures Triggering an Error Indication Procedure	approved	3.5.0	R3
25.413	261		F	R99	RP-010110	R3-010803	User Plane Information for RAB modification	approved	3.5.0	R3
25.413	263	2	F	R99	RP-010110	R3-011083	Erroneous Criticality Diagnostics IE	approved	3.5.0	R3
25.413	265		B	Rel-4	RP-010189	R3-010840	Alignment of Geographic Shape Descriptions between 25.413 and 23.032	approved	4.0.0	R3
25.413	266	1	F	R99	RP-010110	R3-011000	Relocation Complete Clarification	approved	3.5.0	R3
25.413	268		F	R99	RP-010111	R3-010785	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	3.5.0	R3
25.413	271		B	Rel-4	RP-010158	R3-010980	Changes on RANAP due to WI TrFO	approved	4.0.0	R3
25.413	272	1	B	Rel-4	RP-010156	R3-011031	RAB Quality of Service Renegotiation over lu, Proposed CR	approved	4.0.0	R3
25.413	273	1	B	Rel-4	RP-010156	R3-011092	Introduction of RAB QoS Negotiation in RANAP	approved	4.0.0	R3

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25.413	274	1	B	Rel-4	RP-010156	R3-011093	Introduction of RAB QoS Negotiation during Relocation	approved	4.0.0	R3
25.413	275	3	F	R99	RP-010111	R3-011099	Criticality in Ranap	approved	3.5.0	R3
25.414	023	2	F	R99	RP-010112	R3-010320	Change of referenced specifications of Diffserv	approved	3.7.0	R3
25.414	024	1	F	R99	RP-010112	R3-010202	Clarification of the ALC values	approved	3.7.0	R3
25.414	025	1	B	Rel-4	RP-010163	R3-010665	Introduction of Modification procedure of Q.2630.2	approved	4.0.0	R3
25.414	026	1	B	Rel-4	RP-010162	R3-010654	Introduction of I.363.2 (11/2000)	approved	4.0.0	R3
25.415	045	1	F	R99	RP-010113	R3-010223	Clarification of meaning of error cause values	approved	3.6.0	R3
25.415	046	1	F	R99	RP-010113	R3-010313	Corrections to 25.415	approved	3.6.0	R3
25.415	047	1	F	R99	RP-010113	R3-010290	Error cause value 17	approved	3.6.0	R3
25.415	049	1	F	R99	RP-010113	R3-010291	Correction of RNL-SAP primitive	approved	3.6.0	R3
25.415	050	1	F	R99	RP-010113	R3-010222	Handling of FQC information	approved	3.6.0	R3
25.415	051	1	B	Rel-4	RP-010162	R3-010655	Introduction of I.363.2 (11/2000)	approved	4.0.0	R3
25.415	053		F	R99	RP-010113	R3-010746	Frame number and Initialisation	approved	3.6.0	R3
25.415	054		F	R99	RP-010113	R3-010747	Start of user data sending	approved	3.6.0	R3
25.415	056	1	F	R99	RP-010113	R3-010986	Coding of Initialisation Procedure	approved	3.6.0	R3
25.415	057		B	Rel-4	RP-010158	R3-010981	RNL-SAP Primitives necessary for TrFO	approved	4.0.0	R3
25.415	058		B	Rel-4	RP-010158	R3-010982	TrFO impacts on Rate Control	approved	4.0.0	R3
25.415	059		B	Rel-4	RP-010158	R3-010983	General changes for WI TrFO	approved	4.0.0	R3
25.415	060		B	Rel-4	RP-010158	R3-010984	TrFO Impacts on luUP initialisation	approved	4.0.0	R3
25.419	030	1	F	R99	RP-010114	R3-010283	Handling of Response messages with IEs with criticality = Ignore IE	approved	3.3.0	R3
25.419	031		F	R99	RP-010114	R3-010759	Handling of the Procedures Triggering an Error Indication Procedure	approved	3.4.0	R3
25.419	032	2	F	R99	RP-010114	R3-011084	Update to R3-010947: Erroneous Criticality Diagnostics IE	approved	3.4.0	R3
25.419	033		F	R99	RP-010114	R3-010783	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	3.4.0	R3
25.419	034		F	R99	RP-010114	R3-011016	Criticality Revision in SABP	approved	3.4.0	R3
25.420	009		F	R99	RP-010114	R3-010149	Editorial correction to 25.420	approved	3.3.0	R3
25.420	010	1	B	Rel-4	RP-010163	R3-010666	Introduction of Q.2630.2	approved	4.0.0	R3
25.420	011	1	B	Rel-4	RP-010162	R3-010656	Introduction of Q.2630.2	approved	4.0.0	R3
25.420	012	2	B	Rel-4	RP-010160	R3-011057	Introduction of SCCP Handling for Common Measurements on lur	approved	4.0.0	R3
25.420	013		F	R99	RP-010115	R3-010906	Clarification on RNSAP procedure.	approved	3.3.0	R3
25.420	014	2	B	Rel-4	RP-010159	R3-011053	Introduction of SCCP Handling for Common Measurements and Information Exchange on lur	approved	4.0.0	R3
25.421	001		F	R99	RP-010116	R3-010184	Correction to the referred specification	approved	3.1.0	R3
25.423	282	1	F	R99	RP-010117	R3-010215	In/out of sync alignment with WG1 for TDD	approved	3.5.0	R3
25.423	283		F	R99	RP-010117	R3-010025	Removal of Rate Matching Parameter Ambiguity	approved	3.5.0	R3
25.423	284	2	F	R99	RP-010117	R3-010226	Activation CFN alignment with R2	approved	3.5.0	R3
25.423	285		F	R99	RP-010117	R3-010028	Rejection of RL Setup if only one of Initial DL Power or UL SIR Target IEs are included in the Request message	approved	3.5.0	R3
25.423	286		F	R99	RP-010117	R3-010030	The Common Transport Channel Resources Initialisation Procedure is Mandatory at Cell Change in Cell_FACH state	approved	3.5.0	R3
25.423	288	2	F	R99	RP-010117	R3-010271	Improved Compressed Mode Handling Specification Text	approved	3.5.0	R3
25.423	289		F	R99	RP-010117	R3-010034	Application of the Frame Handling Priority ambiguous in RADIO LINK SETUP	approved	3.5.0	R3

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25.423	290		F	R99	RP-010117	R3-010035	URA Information Handling Alignment with RRC	approved	3.5.0	R3
25.423	291		F	R99	RP-010117	R3-010036	Deletion of a non existing RL	approved	3.5.0	R3
25.423	292		F	R99	RP-010117	R3-010040	Clarification of RNSAP Procedure Module Definitions	approved	3.5.0	R3
25.423	293	1	F	R99	RP-010117	R3-010214	Correction to ASN.1	approved	3.5.0	R3
25.423	295	1	F	R99	RP-010117	R3-010228	Correction to RL addition procedure text	approved	3.5.0	R3
25.423	296	3	F	R99	RP-010117	R3-010847	Secondary CCPCH info for TDD	approved	3.5.0	R3
25.423	297	3	F	R99	RP-010117	R3-011102	Additional IE's needed for Channel Switching from Cell_FACH to Cell_DCH [TDD].	approved	3.5.0	R3
25.423	298		F	R99	RP-010117	R3-010127	Handling of Response messages with IEs with criticality = Ignore IE	approved	3.5.0	R3
25.423	299	2	F	R99	RP-010117	R3-010848	Midamble - Channelisation code association for TDD	approved	3.5.0	R3
25.423	300		F	R99	RP-010117	R3-010168	Radio Link Initialisation procedure text	approved	3.5.0	R3
25.423	301	1	F	R99	RP-010117	R3-010285	Clarification of operation of Common & Dedicated Measurement Initiation	approved	3.5.0	R3
25.423	302		F	R99	RP-010117	R3-010234	Removal of Ambiguity in Radio Link Failure Procedure	approved	3.5.0	R3
25.423	304	1	F	R99	RP-010117	R3-010899	TX Diversity Indication for TDD	postponed		R3
25.423	305		F	R99	RP-010118	R3-010676	Time measurement granularity	approved	3.5.0	R3
25.423	306	2	F	R99	RP-010118	R3-011021	Measurement range modification	approved	3.5.0	R3
25.423	307	1	F	R99	RP-010118	R3-010917	SCH Timeslot IE definition	approved	3.5.0	R3
25.423	308	1	F	R99	RP-010118	R3-010919	DL Timeslot ISCP report correction	approved	3.5.0	R3
25.423	309	2	B	Rel-4	RP-010164	R3-011007	The impacts on TS 25.423 for supporting low chip rate TDD in RNSAP	approved	4.0.0	R3
25.423	310	2	B	Rel-4	RP-010167	R3-011038	SCH Power Control Improvement	approved	4.0.0	R3
25.423	311	1	F	R99	RP-010118	R3-010927	Paging Cause	approved	3.5.0	R3
25.423	313		F	R99	RP-010118	R3-010760	Handling of the Procedures Triggering an Error Indication Procedure	approved	3.5.0	R3
25.423	314		F	R99	RP-010118	R3-010764	Mapping of TFS and TFI	approved	3.5.0	R3
25.423	315		F	R99	RP-010118	R3-010767	Release of Common Transport Channel Resources in the DRNS	approved	3.5.0	R3
25.423	316	1	F	R99	RP-010118	R3-011064	Miscellaneous Corrections	approved	3.5.0	R3
25.423	317		F	R99	RP-010118	R3-010769	Removal of IE Group Name for Groups with only one Repetition	approved	3.5.0	R3
25.423	318	2	F	R99	RP-010118	R3-011025	Forward Compatibility of RNSAP with regards to Dedicated Measurements	approved	3.5.0	R3
25.423	319	1	F	R99	RP-010118	R3-011008	Remaining Errors after CR Implementation	approved	3.5.0	R3
25.423	320	2	B	Rel-4	RP-010160	R3-011013	DPC Rate Reduction in Soft Handover	approved	4.0.0	R3
25.423	323	2	B	Rel-4	RP-010160	R3-011058	Introduction of the Common Measurement Procedures in RNSAP	approved	4.0.0	R3
25.423	324	1	B	Rel-4	RP-010165	R3-010944	The impacts on TS25.423 for supporting gating operation	postponed		R3
25.423	327	3	B	Rel-4	RP-010159	R3-011054	Introduction of the Common Measurement Procedures in RNSAP	approved	4.0.0	R3
25.423	328	2	B	Rel-4	RP-010159	R3-011056	Introduction of the Information Exchange Procedures in RNSAP	approved	4.0.0	R3
25.423	329	2	F	R99	RP-010118	R3-011085	Erroneous Criticality Diagnostics IE	approved	3.5.0	R3
25.423	332		F	R99	RP-010118	R3-010784	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	3.5.0	R3
25.423	334	1	F	R99	RP-010118	R3-011024	Merged Clarifications to the Measurement Procedures	approved	3.5.0	R3
25.423	335	1	F	R99	RP-010118	R3-011032	Introduction of the PC Preamble and SRB Delay IEs.	approved	3.5.0	R3
25.423	336	1	B	Rel-4	RP-010159	R3-011022	Introduction of Cell Geographical Area Additional Shapes	approved	4.0.0	R3
25.423	337	1	B	Rel-4	RP-010159	R3-011059	Merge CR for common measurements over Iur	approved	4.0.0	R3
25.423	339	1	B	Rel-4	RP-010160	R3-011063	Introduction of Rate Control on DCHs	approved	4.0.0	R3
25.424	007		F	R99	RP-010119	R3-010022	Application of AAL2 Link Characteristics on Iur CCHs	approved	3.6.0	R3

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25.424	008	1	F	R99	RP-010119	R3-010199	Clarification of the ALC values	approved	3.6.0	R3
25.424	009	1	B	Rel-4	RP-010163	R3-010668	Introduction of Modification procedure of Q.2630.2	approved	4.0.0	R3
25.424	010	1	B	Rel-4	RP-010162	R3-010657	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	4.0.0	R3
25.425	022	2	F	R99	RP-010120	R3-010306	Corrections to 25.425 – Editor's proposal	approved	3.4.0	R3
25.425	023	4	B	Rel-4	RP-010164	R3-010998	The impacts on TS 25.425 for supporting low chip rate TDD	approved	4.0.0	R3
25.425	024	3	F	R99	RP-010120	R3-010926	Clarification of Iur RACH frame protocol	approved	3.4.0	R3
25.425	025	1	B	Rel-4	RP-010162	R3-010658	Introduction of I.363.2 (11/2000)	approved	4.0.0	R3
25.425	026	1	F	R99	RP-010120	R3-010923	Clarification of Services expected from data transport	approved	3.4.0	R3
25.425	028		F	R99	RP-010120	R3-010758	Handling of spare bits	approved	3.4.0	R3
25.426	010		F	R99	RP-010121	R3-010023	Application of AAL2 Link Characteristics on Iub/Iur DCHs	approved	3.6.0	R3
25.426	011	1	F	R99	RP-010121	R3-010200	Clarification of the ALC values	approved	3.6.0	R3
25.426	012	1	B	Rel-4	RP-010163	R3-010669	Introduction of Modification procedure of Q.2630.2	approved	4.0.0	R3
25.426	013	1	B	Rel-4	RP-010162	R3-010659	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	4.0.0	R3
25.427	039	1	F	R99	RP-010122	R3-010240	In/out of sync alignment with WG1 for TDD	approved	3.6.0	R3
25.427	040	1	F	R99	RP-010122	R3-010239	Editorial Correction	approved	3.6.0	R3
25.427	042	2	B	Rel-4	RP-010164	R3-010712	The impacts on TS 25.427 for supporting low chip rate TDD	approved	4.0.0	R3
25.427	043	1	F	R99	RP-010122	R3-010924	Clarification of Services expected from data transport	approved	3.6.0	R3
25.427	045	1	B	Rel-4	RP-010160	R3-010956	DPC Rate Reduction in Soft Handover	approved	4.0.0	R3
25.430	014	2	B	Rel-4	RP-010164	R3-010713	The impacts on TS 25.430 for supporting low chip rate TDD	approved	4.0.0	R3
25.430	015		F	R99	RP-010123	R3-010150	Correction of ALCAP	approved	3.5.0	R3
25.430	016	1	B	Rel-4	RP-010163	R3-010670	Introduction of Q.2630.2	approved	4.0.0	R3
25.430	017	1	B	Rel-4	RP-010162	R3-010660	Introduction of Q.2630.2	approved	4.0.0	R3
25.431	001		F	R99	RP-010124	R3-010101	Fractional ATM on Iub	approved	3.1.0	R3
25.431	002		F	R99	RP-010124	R3-010204	Correction to the referred specification	approved	3.1.0	R3
25.433	325	2	F	R99	RP-010125	R3-010289	In/out of sync alignment with WG1 for TDD	approved	3.5.0	R3
25.433	326		F	R99	RP-010125	R3-010024	Removal of Rate Matching Parameter Ambiguity	approved	3.5.0	R3
25.433	327	1	F	R99	RP-010125	R3-010206	Activation CFN Alignment with R2	approved	3.5.0	R3
25.433	328	1	F	R99	RP-010125	R3-010207	AUDIT RESPONSE tabular format modification	approved	3.5.0	R3
25.433	329	3	F	R99	RP-010125	R3-010789	Improved Compressed Mode Handling Specification Text	approved	3.5.0	R3
25.433	330		F	R99	RP-010125	R3-010066	Correction to ASN.1	approved	3.5.0	R3
25.433	333	1	F	R99	RP-010125	R3-010237	Correction to the maximum number of RLCs in the RLC Addition procedure	approved	3.5.0	R3
25.433	334	1	F	R99	RP-010125	R3-010238	Editorial Correction in TS 25.433	approved	3.5.0	R3
25.433	335	1	F	R99	RP-010125	R3-010208	Editorial Correction to Unsynchronised Radio Link Reconfiguration Procedure Text	approved	3.5.0	R3
25.433	336		F	R99	RP-010125	R3-010103	Radio Link Initialisation procedure text	approved	3.5.0	R3
25.433	339		F	R99	RP-010125	R3-010128	Handling of Response messages with IEs with criticality = Ignore IE	approved	3.5.0	R3
25.433	340	2	F	R99	RP-010125	R3-010849	Midamble - Channelisation code association for TDD	approved	3.5.0	R3
25.433	341	1	F	R99	RP-010125	R3-010209	Correction of error procedure text of Common Transport Channel Deletion	approved	3.5.0	R3
25.433	342	2	F	R99	RP-010125	R3-010284	Clarification of operation of Common & Dedicated Measurement Initiation	approved	3.5.0	R3
25.433	344	2	F	R99	RP-010125	R3-010321	Inclusion of Services expected from NBAP signalling bearer	approved	3.5.0	R3
25.433	346		F	R99	RP-010125	R3-010220	Intuitive Value Names for the Compressed Mode Deactivation Flag IE	approved	3.5.0	R3

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25.433	347		F	R99	RP-010125	R3-010221	Removal of Ambiguity in Radio Link Failure Procedure	approved	3.5.0	R3
25.433	348		F	R99	RP-010125	R3-010050	Removal of inter-mixing of FDD with TDD for DCHs to Modify	approved	3.5.0	R3
25.433	350	1	F	R99	RP-010125	R3-010922	Correction of Capacity model for TDD	approved	3.5.0	R3
25.433	351		F	R99	RP-010125	R3-010675	Time measurement granularity	approved	3.5.0	R3
25.433	352	2	F	R99	RP-010126	R3-011020	Measurement range modification	approved	3.5.0	R3
25.433	353		F	R99	RP-010126	R3-010679	Addition of SIB17	approved	3.5.0	R3
25.433	354		F	R99	RP-010126	R3-010680	Correction of Frame Handling Priority Presence	approved	3.5.0	R3
25.433	355		F	R99	RP-010126	R3-010681	SCH Timeslot IE definition	approved	3.5.0	R3
25.433	356	1	F	R99	RP-010126	R3-010918	DL Timeslot ISCP report correction	approved	3.5.0	R3
25.433	358	2	B	Rel-4	RP-010164	R3-011005	The impacts on TS 25.433 for supporting low chip rate TDD in the NBAP Common Procedures	approved	4.0.0	R3
25.433	359	3	B	Rel-4	RP-010164	R3-011006	The impacts on TS 25.433 for supporting low chip rate TDD in the NBAP Dedicated Procedures	approved	4.0.0	R3
25.433	360	3	B	Rel-4	RP-010166	R3-011073	Introduction of NBAP Cell Synchronisation function for TDD	approved	4.0.0	R3
25.433	361	1	B	Rel-4	RP-010166	R3-010934	NBAP Procedure modifications due to cell synchronisation	approved	4.0.0	R3
25.433	362	2	B	Rel-4	RP-010167	R3-011037	DSCH Power Control Improvement	approved	4.0.0	R3
25.433	365		F	R99	RP-010126	R3-010752	DL power clarification	approved	3.5.0	R3
25.433	367		F	R99	RP-010126	R3-010756	Modification of Context ID Presence in RESET REQUEST	approved	3.5.0	R3
25.433	368		F	R99	RP-010126	R3-010762	Handling of the Procedures Triggering an Error Indication Procedure	approved	3.5.0	R3
25.433	369		F	R99	RP-010126	R3-010763	Removal/Modification of notes related to UARFCN	approved	3.5.0	R3
25.433	370		F	R99	RP-010126	R3-010765	Mapping of TFS and TFI	approved	3.5.0	R3
25.433	371		F	R99	RP-010126	R3-010766	General clarifications ad corrections	approved	3.5.0	R3
25.433	372	2	B	Rel-4	RP-010159	R3-010994	Introduction of the UTRAN-GPS and SFN-SFN timing measurement in NBAP	approved	4.0.0	R3
25.433	373	2	B	Rel-4	RP-010160	R3-011014	DPC Rate Reduction in Soft Handover	approved	4.0.0	R3
25.433	374	2	B	Rel-4	RP-010159	R3-010990	Introduction of the Information Exchange Procedures in RNSAP	approved	4.0.0	R3
25.433	375	1	B	Rel-4	RP-010165	R3-010943	The impacts on TS25.433 for supporting gating operation	postponed		R3
25.433	377	1	F	R99	RP-010126	R3-010907	NBAP correction in tabular format	approved	3.5.0	R3
25.433	378	1	F	R99	RP-010126	R3-010916	Correction based on NBAP detailed review	approved	3.5.0	R3
25.433	379	2	F	R99	RP-010126	R3-011086	Erroneous Criticality Diagnostics IE	approved	3.5.0	R3
25.433	381	1	B	Rel-4	RP-010159	R3-010989	Introduction of the network configurable idle periods for OTDOA UE Positioning function	approved	4.0.0	R3
25.433	383		F	R99	RP-010126	R3-010786	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	3.5.0	R3
25.433	385	2	F	R99	RP-010126	R3-011088	Node B resource model	approved	3.5.0	R3
25.433	386		F	R99	RP-010126	R3-010937	Correction of Physical Shared Channel Reconfiguration	approved	3.5.0	R3
25.433	387	1	B	Rel-4	RP-010160	R3-011015	Limited Power Increase Range	approved	4.0.0	R3
25.433	388		F	R99	RP-010126	R3-011035	Interaction between measurements and reset on lub	approved	3.5.0	R3
25.434	006	1	F	R99	RP-010127	R3-010201	Clarification of the ALC values	approved	3.5.0	R3
25.434	007	1	B	Rel-4	RP-010163	R3-010672	Introduction of Modification procedure of Q.2630.2	approved	4.0.0	R3
25.434	008	1	B	Rel-4	RP-010162	R3-010661	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	4.0.0	R3
25.435	037	3	B	Rel-4	RP-010164	R3-010999	The impacts on TS 25.435 for supporting low chip rate TDD	approved	4.0.0	R3
25.435	038	1	F	R99	RP-010128	R3-010925	Clarification of Services expected from data transport	approved	3.6.0	R3

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25.435	039		F	R99	RP-010128	R3-010757	Handling of spare bits	approved	3.6.0	R3
25.834	001		B	Rel-4	RP-010037	R2-010220	Tx diversity	approved	4.1.0	R2
25.834	002		B	Rel-4	RP-010037	R2-010221	Propagation delay measurement	approved	4.1.0	R2
25.834	003	1	B	Rel-4	RP-010037	R2-010563	Update of TR 25.834	approved	4.1.0	R2
25.836	001	1	C	Rel-4	RP-010073	R1-010382	Additions to the node B synchronisation procedure	approved	4.1.0	R1
25.841	001	1	B	Rel-4	RP-010074	R1-010380	TFCI power control for DSCH in split mode	approved	4.1.0	R1
25.843	001		B	Rel-4	RP-010038	R2-010509	Update of TR 25.843	approved	4.1.0	R2
25.853	001	1	F	R99	RP-010129	R3-010242	Clarification of the Delay Budget Report Scope.	approved	3.1.0	R3
25.921	008		F	R99	RP-010033	R2-010208	Description of backward compatibility consideration rule for RANAP, SABP, RNSAP and NBAP ASN.1	approved	3.3.0	R2
25.921	009		F	R99	RP-010033	R2-010428	Usage of the Version column	approved	3.3.0	R2
25.921	010	1	F	R99	RP-010033	R2-010698	Clean-up	approved	3.3.0	R2
25.921	011		F	R99	RP-010033	R2-010700	Recommendations on the use of the extension mechanism	approved	3.3.0	R2
25.922	012	1	F	R99	RP-010034	R2-010191	Principles of RACH/PRACH Configuration in TDD	approved	3.5.0	R2
25.922	013	1	F	R99	RP-010034	R2-010605	Radio Bearer Control corrections	approved	3.5.0	R2
25.922	014		F	R99	RP-010034	R2-010403	Correction to idle mode tasks	approved	3.5.0	R2
25.925	005	1	F	R99	RP-010035	R2-010609	Editorial corrections and consistency check	approved	3.4.0	R2
25.931	006	1	B	Rel-4	RP-010163	R3-010673	Introduction of the Modification Procedure of Q.2630.2	approved	4.0.0	R3
25.931	007	1	B	Rel-4	RP-010162	R3-010662	Introduction of Q.2630.2	approved	4.0.0	R3
25.931	008	1	B	Rel-4	RP-010130	R3-011077	Service based intersystem handover and directed retry procedure	approved	4.0.0	R3
25.944	005	1	B	Rel-4	RP-010071	R1-010255	1.28 Mcps TDD related changes to 25.944	approved	4.0.0	R1
25.944	006	-	F	R99	RP-010067	R1-010256	Corrections for TDD sections	approved	3.4.0	R1
34.109	006		B	R99	RP-010036	R2-010525	Electrical Man Machine Interface	approved	3.3.0	R2
34.124	5		F	R99	RP-010094	R4-010247	Essential corrections to TS34.124	approved	3.3.0	R4
34.124	6		B	Rel-4	RP-010097	R4-010432	UE electromagnetic compatibility (EMC) for 1.28Mcps TDD Option	approved	4.0.0	R4

Annex D: Meeting schedule

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

TSG-RAN

Meeting	Date	Host	Location
RAN#12	12 - 15 June 2001	Ericsson	Stockholm, Sweden
RAN#13	18 - 21 September 2001	Lucent Technologies, CWTS	Beijing, China
RAN#14	11 - 14 December 2001	ARIB, TTC	<u>Kyoto, Japan</u>
RAN#15	05 - 08 March 2002	TTA	tbd, Korea
RAN#16	04 - 07 June 2002	Motorola	<u>tbd, tbd</u>
RAN#17	03 - 06 September 2002	Alcatel	tbd, France
RAN#18	03 - 06 December 2002	North American Friends of 3GPP	tbd, USA
<u>RAN#19</u>	<u>?? - ?? March 2003</u>	<u>UK Friends of 3GPP</u>	<u>tbd, UK</u>
<u>RAN#20</u>	<u>?? - ?? June 2003</u>	<u>Nokia</u>	<u>tbd, Finland</u>

TSG-RAN WG1

Meeting	Date	Host	Location
<u>AH HSDPA</u>	<u>05 - 06 April 2001</u>	<u>ETSI</u>	<u>Sophia Antipolis, France</u>
#20	21 - 25 May 2001	TTA companies	<u>Pusan, Korea</u>
#21	26 - 29 June	Nortel Networks (tbc)	Paris, France (tbc)
#22	27 - 31 August		
#23	08 - 12 October		
#24	19 - 23 November		

TSG-RAN WG2

Meeting	Date	Host	Location
<u>AH HSDPA</u>	<u>05 - 06 April 2001</u>	<u>ETSI</u>	<u>Sophia Antipolis, France</u>
#20	09 - 13 April 2001	NTT DoCoMo	<u>Hayama, Japan</u>
#21	21 - 25 May 2001	TTA companies	<u>Pusan, Korea</u>
#22	09 - 13 July 2001	Siemens	Berlin, Germany
#23	27 - 31 August 2001	Nokia	tbd, Finland
#24	15 - 19 October 2001	GBT	New York, USA
#25	26 - 30 November 2001	Fujitsu	<u>Makuhari, Japan</u>

TSG-RAN WG3

Meeting	Date	Host	Location
#20	<u>02 - 06 April 2001</u>	<u>CATT</u>	<u>Beijing, China</u>
<u>AH GERAN/SA2</u>	<u>10 - 11 April 2001</u>	<u>Nokia</u>	<u>tbd, Finland</u>
#21	21 - 25 May 2001	TTA companies	<u>Pusan, Korea</u>
<u>#22</u>	<u>09 - 13 July 2001</u>	<u>ETSI (tbc)</u>	<u>Sophia Antipolis, France (tbc)</u>
#23	27 August - <u>31 August 2001</u>	<u>Nokia</u>	<u>tbd, Finland</u>
<u>#24</u>	<u>15 - 19 October 2001</u>	<u>GBT</u>	<u>New York, USA</u>
#25	26 - 30 November 2001	<u>Fujitsu</u>	<u>Makuhari, Japan</u>

TSG-RAN WG4

Meeting	Date	Host	Location
#17	21 - 25 May 2001	Ericsson	Göteborg, Sweden
#18	09 - 13 July 2001	Siemens	Berlin, Germany
#19	03 - 07 September 2001	Agilent	Scotland, United Kingdom
#20	12 - 16 November 2001	North American Friends of 3GPP	New York, USA