TSG-RAN meeting #15 RP-020004
Jeju-do, Korea, 5-8 March 2002

Title: **Second revised draft Report of the 14th TSG-RAN meeting (Kyoto, Japan, 11-14 December 2001)**
Document for: **Comment**
Source: **3GPP support team**

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Executive summary

During TSG-RAN #14, a total of 235 documents were handled. For R'99 238 CRs were approved, for Rel-4 (only, not including Category A CRs following from R'99 CRs) an additional 63 CRs and for Rel-5 (again not including Category A CRs) an additional 15 CRs.

TSG-RAN aproved the output statement of the meeting with 3GPP2 on harmonisation of HSDPA, 1xEV-EV and 1xEV-DO.

Co-operation was needed with TSG-T to ensure the timely input of TSG-RAN on RAB definitions in TSG 34.108. Input also needed to be provided in the form of radio experts to TSG-SA WG1 and TSG-SA WG2 on MBMS.

On R'99 and Rel-4, TSG-RAN urged the WGs to provide proper isolated impact analysis and explicit reason for change. The activity of CRs that are not corrections but clarifications should be limited. Also, three issues were discussed on the commercial deployment of R'99. Agreement was reached on how to handle conformance testing and handling of errors after commercial launch. No agreement could be reached on the discussion on how to handle complexity of the complete set of mandatory R'99 features. After discussion, the controversy over SSDT was resolved for the time being by splitting it into CRs for R'99 and a new work item.

On Rel-5, it was made clear what TSG-RAN required on status reports and the output of Study Items. All existing WIs and SIs were reviewed, including the planned finalisation dates.

- The WI "Hybrid ARQ II/III" was closed as the work was covered by the WI "HSDPA".
- The WIs "UMTS 1800" and "UMTS 1900" were finished.
- The WI "Beamforming" was split into "Beamforming requirements for the UE", for which CRs were provided and which was considered finished, and "Beamforming enhancements" which was continued.
- On the WI "IP Transport in UTRAN" it was decided to select M3UA for Release 5 and to revisit the issue in Release 6 for an updated SUA.
- No new WIs or SIs on new methods for UE positioning enhancements would be accepted until the existing ones had been finalised.
- Because of regulatory issues in Japan, some notes were needed in specifications covering HSDPA.
- There was no consensus on making USTS a Work Item.
- The SI "Feasibility Study for Improved Common DL Channel for Cell-FACH State" was closed without further work identified.
- The SI "Improvement of Radio Resource Management across RNS and RNS/BSS" was made into a Work Item.
- On the SI "Mitigating the Effect of CPICH Interference at the UE", no WI was approved, but it was possible to handle CRs brought in by companies at TSG-RAN #15.
- The SI "Re-introduction of the downlink SIR measurement" was finished without the need for a WI.

New approved WIs [leading WG between square brackets]:

- Support of Site Selection Diversity Transmission in UTRAN (RP-010951) [WG1]
- Confirmation of WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (RP-010812) based on input received from TSG SA WG1 and WG2 [WG2]

New approved SIs [leading WG between square brackets]:

- Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD (RP-010929) [WG14]

1 Opening of the meeting

Francois Courau (Chairman) opened the meeting. Eisuke Fukuda (ARIB) welcomed the delegates on behalf of the hosts ARIB and TTC. He explained that Kyoto had been the capital of Japan for more than 1000 years and was a good place to experience traditional Japan.

2 Approval of the agenda

RP-010722 Proposed agenda (Chairman)
Francois Courau (Chairman) proposed the agenda for the meeting.
Decision: The agenda was approved.

3 Approval of the meeting report of TSG-RAN Meeting #13

RP-010723 Draft Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001) (Secretary)

RP-010724 Revised draft Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001) (Secretary)
The revised meeting report of TSG-RAN #13 in RP-010724 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-010725.

RP-010725 Approved Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001) (Secretary)
This was the approved report of the TSG-RAN #13 meeting.

4 Reminder for IPR declaration

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

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

5 Chairman Report of TSG-SA#13

A report had been provided on the email reflector.

6 Chairman report of external meetings

6.1 Harmonisation for HSDPA: Report of meeting with 3GPP2

RP-010726 Draft Report of the 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001) (Secretary)

The meeting report of the joint meeting between 3GPP and 3GPP2 on harmonisation of High Speed Packet 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-010727.

RP-010727 Approved Report of the 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001) (Secretary)

This was the approved report of the joint meeting between 3GPP and 3GPP2 on harmonisation of High Speed Packet.

RP-010728 Revised output statement of 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001) (3GPP/3GPP2 joint meeting)

Francois Courau (Chairman) presented this document, which had been distributed via the email reflector and was on the server.
Discussion: This was the main output of the Harmonisation meeting.
Decision: The document was approved. It will be provided to TSG-SA and the PCG exploder for approval.

7 Liaisons from other groups

7.1 Groups outside 3GPP

7.1.1 ITU-T

RP-010802 LS (Communication-to-3GPP-TSG-RAN, to TSG-RAN) on AAL TYPE 2 RESOURCE MANAGEMENT (ITU-T)

Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.
Decision: The LS was noted.

RP-010803 LS (03-LS-on-new-Q15-16-complete, to TSG-RAN) on New SG 16 work on Distributed Speech Recognition (DSR) and Distributed Speaker Verification (DSV) (ITU-T)

Francois Courau (Chairman) presented this LS.
Discussion: There was no action required from TSG-RAN.
Decision: The LS was noted.

7.2 TSG-SA, TSG-T, TSG-CN, TSG-GERAN

7.2.1 TSG-SA and TSG-SA WGs

RP-010804(S1-011310, copy TSG-RAN) Response to LS (GP-011913) on Requirements on Multimedia Broadcast/Multicast Service (TSG-SA WG1)

Francois Courau (Chairman) presented this LS.
Discussion: There was a revision of the WI (RP-010812) to be handled in agenda item 9.9. The lead on this topic would be taken by TSG-RAN WG2.
Decision: The LS was noted.

7.2.2 TSG-T and TSG-T WGs

RP-010889(T1-010552, copy TSG-RAN) LS on Advice on proposed RABs (PS Domain) to be included in Rel-5 of TS 34.108 to support conversational class traffic (TSG-T WG1)

Francois Courau (Chairman) presented this LS.
Discussion: The response needed to be co-ordinated between WG1 and WG2. There could be confusion about the fact that what was provided were "typical configurations" and not only "examples". It was not clear that the WGs had to provide reference configurations while working on, e.g., HSDPA. There was a TR in WG1 (TR 25.944) in addition to 34.108 in TSG-T. Doubts were expressed on the wisdom to maintain TR 25.944 more or less independently from TSG-T WG1. An alternative approach would be to provide input directly to 34.108. It was concluded that whatever the method to convey the information, the precise part of 34.108 under discussion should be under TSG-RAN control. It was agreed that a liaison with a CR to 34.108 would be brought to the TSG-T meeting for approval removing ambiguities that were noted by TSG-RAN on the general part describing the purpose of the specification when looking at a test configuration description.
Decision: The LS was noted. Antti Toskala (TSG-RAN WG1 Chairman) would draft a response to the LS. Separately, a revision of the draft CR would also be proposed, see RP-010921.

7.2.3 TSG-CN and TSG-CN WGs

There was no input for this agenda item.

7.2.4 TSG-GERAN and TSG-GERAN WGs

RP-010805(GP-012704, to TSG-RAN) Response to LS (R3-012694) on GERAN architecture and impacts on the Iu-cs interface (TSG-GERAN)

Niels Andersen (TSG-GERAN Chairman) presented this LS.
Discussion: It was left to TSG-GERAN and WG3 to ensure the correct interface.
Decision: The LS was noted. WG3 would handle the LS.

RP-010806(GP-012841, copy TSG-RAN) LS on MBMS (TSG-GERAN)

Niels Andersen (TSG-GERAN Chairman) presented this LS.
Discussion: Denis Fauconnier (TSG-RAN WG2 Chairman) would provide a confirmation from TSG-RAN perspective.
Decision: The LS was noted. Denis Fauconnier (TSG-RAN WG2 Chairman) would provide a confirmation from TSG-RAN perspective that a meeting between TSG-SA WG1, TSG-SA WG2, TSG-RAN WGs and TSG-GERAN WGs was needed, see RP-010949.

RP-010807(GP-012778, copy TSG-RAN) Response to LS (R3-013071) on Status of the SI: Improvement of RRM across RNS and RNS/BSS (TSG-GERAN)
Niels Andersen (TSG-GERAN Chairman) presented this LS.
Discussion: It was explained that the TSG-GERAN concerns had been taken into account in updates to the version that had originally been sent to TSG-GERAN. A Study Item report was available and would be handled in the appropriate agenda item.
Decision: The LS was noted.

7.3 TSG-RAN WGs

7.3.1 TSG-RAN WG1

There was no input for this agenda item.

7.3.2 TSG-RAN WG2

RP-010808(R2-012772, copy TSG-RAN) Response to LS (R4-011664) on UE Rx-Tx Time Difference measurement (TSG-RAN WG2)
Denis Fauconnier (TSG-RAN WG2 Chairman) presented this LS.
Discussion: There had been no WG4 meeting after WG2's meeting, which is why the LS had been copied to TSG-RAN.
Decision: The LS was noted. WG4 would take the LS into account.

7.3.3 TSG-RAN WG3

RP-010890(R3-013480, to TSG-RAN) Response to LS (LS23/13) on AAL Type 2 Resource Management (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.
Decision: The LS was noted. The outgoing LS was approved and would be provided to TSG-SA, TSG-CN and PCG for endorsement.

RP-010891(R3-013617, to TSG-RAN) Response to LS (G2-010484) on Proposed Changes to 25.413 v5.x.x for GERAN Iu mode LCS (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.
Discussion: The LS provided some additional explanation on how to handle TSG-GERAN-related changes. It was asked whether TSG-SA WG2 had reviewed it. The LS was also addressed to TSG-SA WG2, who would meet in parallel with WG3 during its next meeting. It was explained that the CR was not proposed for approval this meeting, so there was time for commenting. It was commented that from TTA point of view, the amount of GERAN-specific changes should be minimised.
Decision: The LS was noted. Francois Courau (Chairman) would inform both TSG-SA and TSG-SA WG2 that urgent comments were requested from TSG-SA WG2 (to be provided before the end of the TSG-RAN WG3 meeting as they would be meeting the same week but in different parts of the world).

RP-010905(R3-013694, copy TSG-RAN) Response to LS (R1) on S-Field length (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this LS.
Discussion: This was for WG1 to take into account.
Decision: The LS was noted. WG1 would take the LS into account.

7.3.4 TSG-RAN WG4

There was no input for this agenda item.

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

Vocabulary documents

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

GENERAL ON REASON FOR CHANGE AND ISOLATED IMPACT ANALYSIS

WG Chairs were requested to ensure that each of the CRs is provided for approval at TSG-RAN level with a complete isolated impact analysis (and explicit reason for change) included. This had been requested at previous TSG-RAN plenaries already, but it was found that some of the WGs had difficulties to provide this information. From TSG-RAN #15 onward, TSG-RAN would not approve CRs unless both the explicit reason for change and the isolated impact analysis were accurately provided.

It was also stated that the activity of CRs for clarification should be limited from now on.

RP-010908 Release 99 feature/functionality UE support (Nokia)
This document was withdrawn.

RP-010925 Smooth Introduction of Release 99 (Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, T-Mobil, Qualcomm)
Niels Andersen (Motorola) presented this document.
Discussion: The document introduced various different issues that were involved in the commercial deployment of R'99 and proposed a way forward to introduce R'99 smoothly. The issues were:

- Complexity of the complete set of mandatory Release '99 features;
- Conformance testing;- Handling of errors detected after commercial launch.

One of the aims was to avoid the need for recall of large numbers of terminals and the bad publicity associated with it. With "industry" the community of manufacturers and operators was meant. A number of the proposals were similar to what had been used for GSM in the past. It was clarified that it was not intended to change the specifications based on faulty terminals, but to provide a workaround to allow such terminals to work.
Decision: The document was noted. Francois Courau (Chairman) would bring this to the attention of TSG-T, TSG-CN and TSG-SA.

RP-010926 UE capability for commercial deployment (Alcatel, Ericsson, Nokia, Nortel Networks, Motorola, Qualcomm, T-Mobil)
Denis Fauconnier (Nortel Networks) presented this document.
Discussion: In answer to a question, it was clarified that the PCG was not involved in technical issues, only in endorsement of decisions taken in the TSGs for technical matters. The proposal was not to require support in the terminal for features that were not planned to be used immediatly by any of the operators (so input from the operators would be vital). Nothing was removed from R'99. It was made very clear that everything was consensus-based as usual in 3GPP. The idea behind the proposal was that this was the last

chance to change what needed to be in the terminals from the start, and speed up the availability of those terminals.
Two ways forward were identified: either (1) have no discussions at all in the WGs on making mandatory features optional and move all discussion to TSG-RAN; or (2) if any feature is made optional, all of such features have to be in one package and you either support none or all of them.
It was recalled that it had already been approved to do a clean-up (of contradicting functionality, incomplete functionality etc.) in TSG-RAN #13 and the WGs had already been tasked to do this work.
Decision: The document was noted. It was not possible to reach consensus on the proposal in the document. The only possible conclusion was that there was no change compared to the decision in TSG-RAN #13 on identifying errors and inconsistencies and proposing solutions for those. In other words, the mandate given to the WGs still applied. However, if contributions were provided it was agreed that WGs were allowed to have discussion on the issue. The proposal would then be reported to the next TSG-RAN for conclusion.

RP-010927 Principles for UE testing and related indication from UE (Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, Qualcomm, T-Mobil)
Per Beming (Ericsson) presented this document.
Discussion: There was no intention to subdivide the "interim" period any further. No formal testing was available and operators were not expected to be willing to use more than a distinction between "early terminal" and "later terminal". TIM ~~requested for it to be minuted that it had~~ raised some concerns on the proposal.
Decision: The document was noted. The proposal to indicate a two-level approach in RRC was approved. WG2 was tasked to draft the relevant CRs for TSG-RAN #15.

RP-010928 Errors discovered in the R99 (Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, Qualcomm, T-Mobil)
Francois Courau (Chairman) presented this document.
Decision: The document was noted. The principle of creating the two TRs mentioned in the document (one on System errors and the other one on modification to be implemented in the network to support faulty User Equipment) was approved.

8.1 TSG-RAN WG1

8.1.1 Report from TSG-RAN WG1

RP-010733 Report from WG1 chairman to TSG-RAN (TSG-RAN WG1 Chairman)

RP-010734 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-010733) and the supplement of agreed CRs (RP-010734).
Presentation:
- R'99:
  - Second biggest topic are still R'99 issues.
  - Release '99 CRs not reducing further, 27 CRs, of which 20 for FDD. (+1 one conditionally approved for SSDT), but in most cases adding only, e.g., references or small clarifications.
  - On R'99 issues TSG RAN guidance asked on SSDT related issues, WG1 discussed the necessary corrections, one CR conditionally agreed, one issues not agreed, (see later slides on SSDT).
- Rel-4:
  - 16 CRs, 3 for FDD and 13 CRs on TDD
- Rel-5:
  - One HSDPA Ad Hoc (partly jointly with WG2) since last TSG RAN#13.

- Highest number of Rel-5 papers for High Speed Downlink Packet Access (HSDPA), several details agreed.

Discussion:
- WG4 needed to review the topic of TPC in SHO.

Decision: The report was noted. WG4 would review the topic of TPC in SHO.

8.1.2 Discussions on decisions from TSG-RAN WG1

RP-010819 Views on SSDT in R'99 (Nokia)
This document was withdrawn.

RP-010901 SSDT in Release 99 and Release 4 (NEC)
This document did not need to be presented. It was superseded by RP-010924.

RP-010903 SSDT (Fujitsu)
This document did not need to be presented. It was superseded by RP-010924.

RP-010924 Proposed way forward for SSDT in UTRAN (TSG-RAN WG1 Chairman)
Antti Toskala (TSG-RAN WG1 Chairman) presented this document.
Discussion: The document was based on the Tuesday evening ad hoc meeting on the topic, and subsequent offline discussions. Bullet point 4 on slide 5 should read "June 2002" and was interpreted to mean that the UTRAN aspects would not be solved for R'99 and Rel-4 (and possibly not for Rel-5, since experts from WG1, WG3 and WG4 needed to be involved). However it was concluded that the UE aspects would be finalised with the CRs proposed in this document. They would be dealt with after review by WG1 by correspondence. It was clarified that the Work Item proposed was only dealing with the UTRAN aspects and that there was no need to come back on the UE part.
Decision: The document was noted. The separation of the two issues needed to be reflected. The revision was provided in RP-010937. It was recommended that input on the topic would be sent on the reflector of the relevant group before the meeting, to save time.

RP-010937 Proposed way forward for SSDT in UTRAN (TSG-RAN WG1 Chairman)
Decision: The document was noted. The proposal was approved.

RP-010932 Approved CR 134 (R'99) and CR 135 (Rel-4) to TS 25.211 (Nokia)
Decision: The CR was **approved** (see agenda item 8.1.3).

RP-010933 Approved CR 228 (R'99) and CR 229 (Rel-4) to TS 25.214 (Nokia)
Decision: The CR was **approved** (see agenda item 8.1.3).

RP-010934 Withdrawn CR xxx (R'99) to TS 25.214 (Fujitsu, NEC)
This document was withdrawn.

RP-010935 Withdrawn CR xxx (Rel-4) to TS 25.214 (Fujitsu, NEC)
This document was withdrawn.

RP-010936 Revised WI "Support of Site Selection Diversity Transmission in UTRAN" (Fujitsu, NEC)
See agenda item 9.9.

RP-010904 Approved CR 115r2 (R'99) and CR 116r2 (Rel-4) to 25.211 (Panasonic)
Decision: The CRs were **approved** (see agenda item 8.1.3).

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

CRs from TSG-RAN WG1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010735	25.201	3.1.0/4.0.0	Agreed CRs	approved	3.2.0/4.1.0
RP-010736	25.211	3.8.0/4.2.0	Agreed CRs	approved 1)	3.9.0/4.3.0
RP-010904	25.211	3.8.0/4.2.0	Approved CR 115r2 (R'99) and CR 116r2 (Rel-4) to 25.211	approved	3.9.0/4.3.0
RP-010932	25.211	3.8.0/4.2.0	Approved CR 134 (R'99) and CR 135 (Rel-4) to TS 25.211	approved	3.9.0/4.3.0
RP-010737	25.212	3.7.0/4.2.0	Agreed CRs	approved	3.8.0/4.3.0
RP-010738	25.213	3.6.0/4.1.0	Agreed CRs	approved	3.7.0/4.2.0
RP-010739	25.214	3.8.0/4.2.0	Agreed CRs (1)	approved	3.9.0/4.3.0
RP-010775	25.214	3.8.0/4.2.0	Agreed CRs (2)	approved	3.9.0/4.3.0
RP-010933	25.214	3.8.0/4.2.0	Approved CR 228 (R'99) and CR 229 (Rel-4) to TS 25.214	approved	3.9.0/4.3.0
RP-010740	25.215	3.8.0/4.2.0	Agreed CRs	approved 2)	3.9.0/4.3.0
RP-010741	25.221	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010742	25.224	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010743	25.225	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0

1) CR 115r1 and CR 116r1 were **revised** by RP-010904. Subsequently, CR 115r2 and CR 116r2 in RP-010904 were **approved**.
2) CR 100r1 and CR 101r1 were **postponed** until after discussion of UE positioning CRs from WG2. They were **postponed** to TSG-RAN #15.

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

CRs from TSG-RAN WG1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010744	25.214	4.2.0	Agreed CRs	approved	4.3.0
RP-010745	25.215	4.2.0	Agreed CRs	approved	4.3.0
RP-010746	25.221	4.2.0	Agreed CRs	approved	4.3.0
RP-010747	25.222	4.1.0	Agreed CRs	approved	4.2.0
RP-010748	25.223	4.2.0	Agreed CRs	approved	4.3.0
RP-010749	25.224	4.2.0	Agreed CRs	approved	4.3.0
RP-010750	25.225	4.2.0	Agreed CRs	approved	4.3.0

8.2 TSG-RAN WG2

8.2.1 Report from TSG-RAN WG2

RP-010751 Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

RP-010752 Supplement (List of ALL agreed CRs including Rel-5 only CRs) to Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

Denis Fauconnier (Chairman TSG-RAN WG2) presented this report (RP-010751) and the supplement of agreed R'99 CRs (RP-010752).

Presentation:

- R'99:
  - Occupied 75% of meeting time (90% of the Nov meeting!), and most of delegates bandwidth/expertise.
  - Still many corrections on aspects which were not described, unclear, or incorrect.

- level of importance of CRs is decreasing (except on security and UP).
- All CRs have an impact analysis.
- All have an isolated impact.
- Major completion of security and security procedures.
- This should be the last major corrections for R'99.

- Rel-4:
  - Some corrections on LCRTDD and things not accepted for R'99.
- Rel-5:
  - HSDPA:
    - Progressed in WG1, WG2 and WG3.
    - Good progress. Work on schedule for March 2002
    - January meeting will be only on Rel-5.

Discussion:

- The name of "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" was thought to have changed in TSG-SA and if so should be corrected.

Decision: The report was noted. Nokia would provide an update of the WI sheet taking into account the latest understanding in TSG-SA on what was originally called "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (see RP-010945 and RP-010946).

8.2.2 Discussions on decisions from TSG-RAN WG2

RP-010820 Remarks on the interaction between proposed UE positioning corrections and other R'99 features (Nokia)

Jussi Numminen (Nokia) presented this document.

Discussion: The best way forward was to have an offline discussion to see if it was possible to revise CR 1185r3 (and CR 1186) to satisfy the concerns raised.

Decision: The document was noted.

RP-010909 On RAB and SRB ciphering (France Telecom)

Bruno Schuffenecker (France Telecom) presented this document.

Discussion: It was stated that there needed to be requirements from TSG-SA, before looking at the proposed solutions. It was explained that what was easy in GSM might not necessarily be replicated in UTRAN, if only because of segmentation. For downlink it seemed feasible, but for uplink it was very doubtful. There were other possible solutions also that needed to be looked into. There was concern about architectural impact on R'99 mobiles; it was very late for this type of change.

Decision: The document was noted. WG2 was tasked to study what mechanism would be used in a UMTS network so as to provide equivalent functionality to what is currently available for monitoring messages over the Abis interface for GSM. Subsequently, if required, an LS would be sent to TSG-SA WG3. The issue would be highlighted to TSG-SA by the Chairman. An LS was proposed in RP-010942 (see agenda item 11).

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

CRs from TSG-RAN WG2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010753	25.301	3.8.0/4.1.0	Agreed CRs	approved	3.9.0/4.2.0
RP-010754	25.302	3.10.0/4.2.0	Agreed CRs	approved	3.11.0/4.3.0
RP-010755	25.303	3.9.0/4.2.0	Agreed CRs	approved	3.10.0/4.3.0
RP-010756	25.304	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010757	25.305	3.6.0/4.1.0/ 5.2.0	Agreed CRs	approved	3.7.0/4.2.0/ 5.3.0
RP-010758	25.306	3.3.0/4.2.0	Agreed CRs	approved	3.4.0/4.3.0
RP-010759	25.307	3.0.0/4.0.0	Agreed CRs	approved	3.1.0/4.1.0
RP-010760	25.321	3.9.0/4.2.0	Agreed CRs	approved	3.10.0/4.3.0
RP-010761	25.322	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010762	25.323	3.6.0/4.2.0	Agreed CRs	approved	3.7.0/4.3.0
RP-010763	25.331	3.8.0/4.2.1	Agreed CRs (1)	approved 1)	3.9.0/4.3.0
RP-010764	25.331	3.8.0/4.2.1	Agreed CRs (2)	approved	3.9.0/4.3.0
RP-010765	25.331	3.8.0/4.2.1	Agreed CRs (3)	approved	3.9.0/4.3.0
RP-010766	25.331	3.8.0/4.2.1	Agreed CRs (4)	approved 2) 3)	3.9.0/4.3.0
RP-010767	25.331	3.8.0/4.2.1	Agreed CRs (5)	approved	3.9.0/4.3.0
RP-010939	25.331	3.8.0/4.2.1	Revised CR 1177r2 (R'99) to 25.331	revised	-
RP-010940	25.331	3.8.0/4.2.1	Approved CR 1177r3 (R'99) and CR 1178r1 (Rel-4) to 25.331	approved	3.9.0/4.3.0
RP-010941	25.331	3.8.0/4.2.1	Approved CR 1185r4 (R'99) and CR 1186r1 (Rel-4) to 25.331	approved	3.9.0/4.3.0
RP-010768	25.921	3.5.0/4.2.0	Agreed CRs	approved	3.6.0/4.3.0

1) The title of CR 1089 and CR 1090 should have contained "STTD" rather than "SSTD", but both were **approved**.
2) CR 1177r1 and CR 1178 contained contradictory wording and were **postponed**. A revision was provided as CR 1177r2 in RP-010939, which in turn was revised. The final versions were CR 1177r3 and CR 1178r1, in RP-010940, which were **approved**.
3) CR 1185r3 and CR 1186 were **revised**. CR 1185r4 and CR 1186r1 were provided in RP-010941 and **approved**.

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

CRs from TSG-RAN WG2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010769	25.302	4.2.0	Agreed CRs	approved	4.3.0
RP-010770	25.305	4.1.0/5.2.0	Agreed CRs	approved	4.2.0/5.3.0
RP-010771	25.322	4.2.0	Agreed CRs	approved	4.3.0
RP-010772	25.323	4.2.0	Agreed CRs	approved	4.3.0
RP-010773	25.331	4.2.1	Agreed CRs	approved	4.3.0

8.3 TSG-RAN WG3

8.3.1 Report from TSG-RAN WG3

RP-010844Report from WG3 chairman to TSG-RAN (TSG-RAN WG3 Chairman)

RP-010845List of agreed CRs from RAN WG3 (TSG-RAN WG3)
Martin Israelsson (Chairman TSG-RAN WG3) presented this report (RP-010844) and the supplement of agreed CRs (RP-010845).
Presentation:
- R'99/Rel-4:

  - Several R'99 and Rel-4 corrections were related to clarifications on "Chapter 10", which generated sets of 9 CRs per correction.
  - R99 and Rel-4 occupies about 60% of meeting time.
  - 24 Rel-4 only CRs.
- Rel-5:
  - Some more CRs on PCAP.
  - IP UTRAN work progressed, but still no agreements on the M3UA/SUA issue.
  - Work on other Rel-5 topics progressed, partly in the form of draft CRs.
  - Study Items were agreed to be handled in ad hoc meetings in parallel with the IP UTRAN discussions to get faster progress.

Discussion:

- It was commented that it would be better to provide the chairman's report to the plenary also to WG3 before the TSG-RAN plenary.
- There was some concern that the action "to study the IP-based Multimedia Services Framework Report from TSG-SA WG1 urgently" had been resolved as "agreed to wait for draft Stage 2". It would be better to contact TSG-SA WG1 directly on any points that were not clear. It was clarified that there would actually never be a Stage 2! This topic should therefore be progressed by WG3. A similar concern was on the action on MBMS.
- TSG-SA WG3 had not yet responded to the LS mentioned on page 18 (to confirm the working assumption on security). It was clarified that what was meant was that WG3 considered it had no work to do on security as part of Rel-5 because it might be up to the operator using external IP networks to use the mechanism described in IPSec to protect the information in this network.

Decision: The report was noted. WG3 would reconsider the topics of Multimedia Services and Multicast/Broadcast.

8.3.2 Discussions on decisions from TSG-RAN WG3

RP-010816 Proposed CR xxx to 25.4xx on Correction to SFN-SFN Observed Time Difference Measurement report mapping (Nokia)

This document was replaced by RP-010911 and RP-010912.

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

CRs from TSG-RAN WG3

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010846	25.402	3.7.0/4.2.0	Agreed CRs	approved	3.8.0/4.3.0
RP-010847	25.410	3.5.0/4.2.0	Agreed CRs	approved	3.6.0/4.3.0
RP-010848	25.413	3.7.0/4.2.0	Agreed CRs (1)	approved 1)	3.8.0/4.3.0
RP-010849	25.413	3.7.0/4.2.0	Agreed CRs (2)	approved	3.8.0/4.3.0
RP-010895	25.413	3.7.0/4.2.0	Agreed CRs (3)	approved	3.8.0/4.3.0
RP-010850	25.414	3.8.0/4.1.0	Agreed CRs	approved	3.9.0/4.2.0
RP-010851	25.415	3.7.0/4.1.0	Agreed CRs	approved	3.8.0/4.2.0
RP-010852	25.419	3.6.0/4.2.0	Agreed CRs	approved	3.7.0/4.3.0
RP-010853	25.420	3.3.0/4.0.0	Agreed CRs	approved	3.4.0/4.1.0
RP-010854	25.422	3.5.0/4.0.0	Agreed CRs	approved	3.6.0/4.1.0
RP-010855	25.423	3.7.0/4.2.0	Agreed CRs (1)	approved 2)	3.8.0/4.3.0
RP-010856	25.423	3.7.0/4.2.0	Agreed CRs (2)	approved	3.8.0/4.3.0
RP-010896	25.423	3.7.0/4.2.0	Agreed CRs (3)	approved	3.8.0/4.3.0
RP-010857	25.424	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0
RP-010858	25.425	3.5.0/4.1.0	Agreed CRs	approved	3.6.0/4.2.0
RP-010859	25.426	3.6.0/4.0.0	Agreed CRs	approved	3.7.0/4.1.0
RP-010860	25.427	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010861	25.430	3.6.0/4.1.0	Agreed CRs	approved	3.7.0/4.2.0
RP-010862	25.433	3.7.0/4.2.0	Agreed CRs (1)	approved 3) 4)	3.8.0/4.3.0
RP-010863	25.433	3.7.0/4.2.0	Agreed CRs (2)	approved 5)	3.8.0/4.3.0
RP-010897	25.433	3.7.0/4.2.0	Agreed CRs (3)	approved	3.8.0/4.3.0
RP-010864	25.434	3.5.0/4.1.0	Agreed CRs	approved	3.6.0/4.2.0
RP-010865	25.435	3.7.0/4.1.0	Agreed CRs	approved	3.8.0/4.2.0
RP-010868	25.931	3.4.0/4.1.0	Agreed Rs	approved	3.5.0/4.2.0

1) CR 361r2 was **revised** to CR 361r2 in RP-010895 which was **approved**.
2) CR 478r1 was **revised** to CR 478r2 in RP-010896 which was **approved**.
3) CR 530r1 was **revised** to CR 530r2 in RP-010897 which was **approved**.
4) CR 544 was a Rel-4 CR only that by mistake had been included. This CR was also **approved**.
5) CR 560r1 was a Rel-4 CR only that by mistake had been included. This CR was also **approved**.

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

CRs from TSG-RAN WG3

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010869	25.402	4.2.0	Agreed CRs	approved	4.3.0
RP-010870	25.410	4.2.0	Agreed CRs	approved	4.3.0
RP-010871	25.413	4.2.0	Agreed CRs	approved	4.3.0
RP-010872	25.415	4.2.0	Agreed CRs	approved	4.3.0
RP-010873	25.423	4.2.0	Agreed CRs	approved	4.3.0
RP-010911	25.423	4.2.0	Agreed CR 485r1	approved	4.3.0
RP-010874	25.433	4.2.0	Agreed CRs	approved 1) 2)	4.3.0
RP-010912	25.433	4.2.0	Agreed CR 545r1	approved	4.3.0
RP-010866	25.838	4.0.0	Agreed CRs	approved	4.1.0
RP-010867	25.850	4.2.0	Agreed CRs	approved	4.3.0

1) CR 544 to 25.433 was a Rel-4 CR only that by mistake had been included in R'99/Rel-4 CRs (RP-010862). This CR was also **approved**.
2) CR 560r1 to 25.433was a Rel-4 CR only that by mistake had been included in R'99/Rel-4 CRs (RP-010863). This CR was also **approved**.

8.4 TSG-RAN WG4

8.4.1 Report from TSG-RAN WG4

RP-010776 Status Report WG4 (TSG-RAN WG4 Chairman)
Howard Benn (Chairman TSG-RAN WG4) presented this report.
Presentation:

- R'99 and Rel-4:
  - Regarding corrections to the BTS and UE R'99 specifications, 44 CRs for essential correction were agreed on. For Rel-4 48 CRs were agreed and most of them were for Category A.
  - It was noted that WG2 has detected an issue concerning UE positioning which was reported to WG4 in an LS. One related topic was discussed as below:
  - Parallel pattern in compressed mode: It was noted that in WG1 there were no requirements for parallel patterns, the work was up to WG4. It was also noted that further study on this issue was needed. In case a guidance from TSG-RAN is needed, it will be reported to TSG-RAN. It was expected that this work could be completed by TSG-RAN #15.
- Rel-5:
  - 34 CRs were agreed for Release 5 specifications.

Decision: The report was noted.

8.4.2 Discussions on decisions from TSG-RAN WG4

RP-010913 Approved CR 241 (R'99), CR 242 (Rel-4) and CR 243 (Rel-5) to TS 25.133 (Nortel Networks)
These CRs were **approved**.

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

CRs from TSG-RAN WG4

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010777	25.101	3.8.0/4.2.0/ 5.0.0	Agreed CRs	approved	3.9.0/4.3.0/ 5.1.0
RP-010778	25.102	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010779	25.104	3.8.0/4.2.0/ 5.0.0	Agreed CRs	approved	3.9.0/4.3.0/ 5.1.0
RP-010780	25.105	3.8.0/4.2.0	Agreed CRs	approved	3.9.0/4.3.0
RP-010781	25.123	3.7.0/4.2.0	Agreed CRs	approved	3.8.0/4.3.0
RP-010782	25.133	3.7.0/4.2.0/ 5.0.0	Agreed CRs (1)	approved	3.8.0/4.3.0/ 5.1.0
RP-010791	25.133	3.7.0/4.2.0/ 5.0.0	Agreed CRs (2)	approved 1)	3.8.0/4.3.0/ 5.1.0
RP-010792	25.133	3.7.0/4.2.0/ 5.0.0	Agreed CRs (3)	approved 2) 3)	3.8.0/4.3.0/ 5.1.0
RP-010913	25.133	3.7.0/4.2.0/ 5.0.0	Proposed CR 241 (R'99), CR 242 (Rel-4) and CR 243 (Rel-5)	approved	3.8.0/4.3.0/ 5.1.0
RP-010783	25.141	3.7.0/4.2.0/ 5.0.0	Agreed CRs	approved	3.8.0/4.3.0/ 5.1.0
RP-010784	25.142	3.7.0/4.2.0	Agreed CRs	approved	3.8.0/4.3.0
RP-010785	25.942	3.1.0/4.0.0	Agreed CRs	approved	3.2.0/4.1.0

1) It was possible that changes to WG1 specifications were necessary for the next plenary meeting as a result of approving CR 208. WG1 would investigate this.
2) CR 235 was **withdrawn**. It was replaced with CR 241 and CR 242 and CR 243 had originally been missing. These were all provided in RP-010913 and were **approved**.
3) On CR 236, there was no Rel-4 or Rel-5 correction, because the Rel-4 and Rel-5 corrections had already been previously approved.

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

CRs from TSG-RAN WG4

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-010793	25.102	4.3.0	Agreed CRs	approved	4.4.0
RP-010786	25.123	4.2.0	Agreed CRs	approved	4.3.0
RP-010787	25.133	4.2.0/5.0.0	Agreed CRs	approved	4.3.0/5.1.0
RP-010788	25.943	4.0.0	Agreed CRs	approved	4.1.0

8.5 ITU-R Ad Hoc

RP-010835 Status Report (ITU-R Ad Hoc Contact Person)
Giovanni Romano (on behalf of the ITU-R Ad Hoc contact person) presented this report.
Discussion: The requested delay had been achieved and was valid for all technologies.
Decision: The report was noted.

RP-010836 LS from IMT-2000 PM to SDOs on the completion of the Revision of Recommendation ITU-R M.1457 (ITU-R Ad Hoc Contact Person)
This document was already covered in the status report.
Decision: The document was noted.

RP-010837 Proposed contribution to ITU-R WP8F on the completion of the Revision of Recommendation ITU-R M.1457 (ITU-R Ad Hoc)
Giovanni Romano (on behalf of the ITU-R Ad Hoc contact person) presented this document.
Discussion: The meeting would be held from 27 February onward and needed to be approved by PCG in time for that meeting (deadline: 20 February).
Decision: The document was **approved** from the TSG-RAN point of view. Francois Courau (Chairman) would forward it to PCG for timely approval.

RP-010838 Update reminder for the OPs on the compliance with ITU-R procedures as it relates to the completion of Revision of Recommendation ITU-R M.1457 (ITU-R Ad Hoc)
This document did not need to be presented.
Discussion: The last part of Annex B contained a sentence which might be better to be removed.
Decision: The document was noted. A revision would be provided for TSG-RAN #15.

9 Release 5 and beyond

General

STATUS REPORTS

The TSG-RAN Chairman clarified that even if no progress was made, this should be explicitly shown in a status report. Currently it was not always clear what the status was. The rapporteurs and/or WGs were therefore requested to make sure to provide the status reports for all WIs and SIs (except "general" WIs and SIs without completion date) from TSG-RAN #15 onward, including those for which there had been no progress. This would also allow to review the completion date explicitly.

STUDY ITEMS

TSG-RAN noted that many TRs on Study Items lacked a conclusion part when presented for approval to TSG-RAN. WGs were reminded that without a conclusion, TSG-RAN could not take anydecision, such as how to continue and could not approve the TR.

RP-010887 Work plan (MCC)
The document was for information.

RP-010888 MCC review of the Work Plan (MCC)
The document was for information.

RP-010729 Work Item sheets - Latest situation (Secretary)

RP-010730 Historic Work Item sheets (Secretary)
The documents were for information.

RP-010731 Study Item sheets - Latest situation (Secretary)

RP-010732 Historic Study Item sheets (Secretary)
The documents were for information.

RP-010914 Proposed "CR" to out-of-date Study Item sheets (Secretary)
Hans van der Veen (Secretary) presented this document.
Decision: The document was noted. The proposed changes were **approved**.

RP-010915 Proposed "CR" to out-of-date Work Item sheets (Secretary)
Hans van der Veen (Secretary) presented this document.
Discussion: The changes to WI 47 (HSDPA RF) were not approved. The changes to WI 48 (MIMO) were not approved.
Decision: The document was noted. The proposed changes were **approved** (except the changes excluded explicitly).

9.1 Radio Interface Improvement Feature

9.1.1 Improvement of inter-frequency and inter-system measurements

Status

There was no status report.

RP-010842 Proposed revision of WI sheet for WI "Improvement of inter-frequency and inter-system measurement" (Samsung)
This document was replaced with RP-010906.

RP-010906 Proposed revision of WI sheet for WI "Improvement of inter-frequency and inter-system measurement" (Samsung)
Sungoh Hwang (Samsung) presented this WI sheet.
Discussion: There might be some impact on 25.123 but this needed to be investigated. It was explained that the problem was much more pronounced for 1.28 Mcps TDD than for 3.84 Mcps TDD (where the datarate needed to be really high for it to become an issue), so it was not felt needed to cover 3.84 Mcps

TDD for the time being. It was commented that for FDD work had been proposed in WG1, but that WG3 needed to look at parts of that. However, the input had not yet been provided to WG3. It was commented that the proposed completion date looked rather optimistic, considering the status of the TR that was attached to the WI sheet. It was proposed to revisit the completion date if necessary. After offline discussion it was decided that it was best to separate the FDD and TDD issues and to make the proposal for TDD into a Study Item. After offline checking, the planned completion date for the FDD part was kept as TSG-RAN #15.
Decision: There was a need for a revised WI sheet for the 1.28 Mcps TDD. This would be in RP-010920.

9.1.2 Base Station Classification

9.1.2.1 TDD Base station classification

Status

RP-010919 Status report WI "TDD Base Station Classification" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Discussion: The WI sheet was unchanged.
Decision: The status report was noted.

9.1.2.2 FDD Base Station Classification

Status

There had been little work on this topic since the previous meeting. The completion date was unchanged.

9.1.2.3 Base Station Classification for 1.28 Mcps TDD

Status

RP-010801 Status report WI "Base Station Classification for 1.28 Mcps TDD option" (Rapporteur)
Meik Kottkamp (Rapporteur) presented this status report.
Discussion: There was no change to the completion date.
Decision: The status report was noted.

RP-010810 TR 25.882 v1.1.0 "Base Station Classification for 1.28 Mcps TDD option" (Rapporteur)
Decision: The TR was **endorsed**.

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

Status

There was no status report. There had been no progress. The completion date would be unchanged.

9.1.4 Terminal power saving features

Status

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

9.1.5 UMTS 1800

Status

RP-010815 Status report WIs "UMTS 1800" and "UMTS 1900" (Rapporteur)
Jussi Numminen (Rapporteur) presented this status report.
Discussion: Both WIs were now complete and would be moved to the Historic WI document.
Decision: The status report was noted.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010789	WG4	Agreed CRs	approved

9.1.6 UMTS 1900

Status

See UMTS 1800 (agenda item 9.1.5).

9.1.7 Multiple Input Multiple Output antennas (MIMO)

Status

RP-010796 Status report WI "Multiple Input Multiple Output antennas (MIMO)" (Rapporteur)
Paul Carpenter (Rapporteur) presented this status report.
Discussion: The planned completion date was RP#16. It was commented that this might have to change based on the discussions that had been held with 3GPP2 on this isssue during the joint meeting.
Decision: The status report was noted.

RP-010797 TR 25.876 v1.0.0 "Multiple-Input Multiple Output Antenna Processing for HSDPA" (Rapporteur)
Decision: The TR was **endorsed**.

9.1.8 Enhancement on the DSCH hard split mode

Status

RP-010840 Status report WI "Enhancement on the DSCH hard split mode" (Rapporteur)
Sungoh Hwang (Samsung) presented this WI sheet.
Discussion: The planned completion date (including the TR) was to be RP#15. There was some concern that there were changes mentioned for R'99 and Rel-4. This was a misunderstanding - no changes were planned for R'99 and Rel-4 (it was intended to say that changes in those releases had been taken into account).
Decision: The status report was noted.

RP-010841 TR 25.870 v1.1.0 "Enhancement on the DSCH hard split mode" (TSG-RAN WG1)
Decision: The TR was **endorsed**.

9.2 RAN Improvement Feature

9.2.1 RRM Optimisation for Iur and Iub

9.2.1.1 Radio Link Timing Adjustment

Status

RP-010878 Status report WI "Radio Link Timing Adjustment" (Rapporteur)
Martin Israelsson (Rapporteur) presented this status report.
Discussion: The proposed completion date was RP#15. The WG1 Chairman reminded WG3 that one of the solutions would be very difficult for WG1. This would be taken into account.
Decision: The status report was noted.

9.2.1.2 Separation of resource reservation and radio link activation

Status

RP-010879 Status report WI "Separation of resource reservation and radio link activation" (Rapporteur)
Martin Israelsson (Rapporteur) presented this status report.
Discussion: The completion date was unchanged. In response to a question from WG4, it was clarified that no impacts were foreseen on 25.133.
Decision: The status report was noted.

9.2.1.3 Iur Common Transport Channel Efficiency Optimisation

Status

RP-010885 Status report WI "Iur Common Transport Channel Efficiency Optimisation" (Rapporteur)
Martin Israelsson (Rapporteur) presented this status report.
Discussion: The planned completion date was RP#15.
Decision: The status report was noted.

9.2.1.4 Iur Neighbouring cell reporting Efficiency Optimisation

Status

RP-010884 Status report WI "Iur Neighbouring cell reporting Efficiency Optimisation" (Rapporteur)
Martin Israelsson (Rapporteur) presented this status report.
Discussion: The planned completion date was unchanged.
Decision: The status report was noted.

9.2.2 NodeB Synchronisation for 1.28 Mcps TDD

Status

RP-010899 Status report WI "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
This document was replaced with RP-010918.

RP-010918 Status report WI "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
Jinling Hu (Rapporteur) presented this status report.
Discussion: The planned completion date was unchanged. It was asked what it meant to have three methods - if it was meant to have three options, it was strongly suggested to choose only one option. It was explained that one option would be chosen, but at this moment it was unknown which one.
Decision: The status report was noted.

RP-010898 TR 25.868 v1.1.0 "Node B synchronization for 1.28 Mcps TDD" (Rapporteur)
Decision: The TR was **endorsed**.

9.2.3 Radio access bearer support enhancement

Status

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

9.2.4 Re-arrangement of Iub Transport Bearers

Status

RP-010880 Status report WI "Re-arrangement of Iub transport bearers" (Rapporteur)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The planned completion date was RP#15. It was misleading to state that there were two solutions under "Completed items", since that might be understood to mean that two options would end up in the standard, which was discouraged.
Decision: The status report was noted.

9.2.5 Beamforming

Status

RP-010800 Status report WI "Beamforming" (Rapporteur)
Jussi Kahtava (Rapporteur) presented this status report.
Discussion: The name of the WI was changed to "Beamforming Enhancements". The completion date was RP#15 (as had already been discussed on RP-010915). It was explained that the WI consisted of two independent parts: completion of missing requirements for the UE and enhancements to the UTRAN side.
Decision: The status report was noted. A revised WI sheet was needed to clarify the situation, see RP-010945 and RP-010946.

RP-010945 Revised WI sheet "Beamforming enhancements" (Nokia)
Jussi Kahtava (Rapporteur) presented this WI sheet.
Discussion: The title needed to be corrected. The planned completion date was revised to TSG-RAN #16. Motorola should be removed from the WI. Ericsson would be added.
Decision: A revision of the WI sheet was needed. The revision was in RP-010953.

RP-010953 Approved WI sheet "Beamforming enhancements" (Nokia)
Jussi Kahtava (Rapporteur) presented this WI sheet.
Discussion: The presentation for information is also for TSG-RAN #14. The ME needed to be crossed out from the impacts (section 9).
Decision: The WI was **approved**. The WI sheet was approved.

RP-010946 Revised WI sheet "Beamforming requirements for UE" (Nokia)
This document was replaced with RP-010950.

RP-010950 Approved WI sheet "Beamforming requirements for UE" (Nokia)
Jussi Kahtava (Rapporteur) presented this WI sheet.
Decision: The WI was **approved**. The WI sheet was approved and the WI was considered closed with the CRs approved earlier in the week (RP-010790).

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010790	WG4	Agreed CRs	approved 1)

1) These CRs completed the UE side and could therefore be approved.

9.3 Evolution of the transport in the UTRAN

9.3.1 IP transport in UTRAN

Status

RP-010809 Draft report Ad-hoc RAN(3)&CN(4) on M3UA / SUA for Rel-5 (Helsinki, Finland, 7-8 November 2001) (Ad Hoc Chairman)
Unfortunately the meeting had not followed the mandate from the plenary. However TSG-RAN recognised that a lot of work had been done during this meeting in order to help TSG-RAN in the decision making process.
Decision: The report was noted.

RP-010877 Status report WI "IP Transport in UTRAN" (Rapporteur)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The planned finalisation date was now RP#15. Apart from the SUA/M3UA issue the WI was now considered to be finished.
Decision: The status report was noted.

RP-010876 TR 25.933 v1.5.0 "IP Transport in UTRAN" (TSG-RAN WG3)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this TR.
Decision: The TR was **endorsed**.

RP-010817 M3UA/SUA discussion paper (Nokia)
Antti Toskala (Nokia) presented this document to show why SUA should be preferred
Discussion: Martin Israelsson (Ericsson) provided a presentation on why M3UA should be preferred. Both presentations were intended to be used as basis for offline discussion to try and come to a result without going to a vote. Several companies commented that there was a strong preference for only one solution, although it was also commented that in the interest of moving forward, it might be necessary to allow SUA as an option in addition to a mandatory M3UA. However, there was not a lot of support for this latter suggestion. The choice of the solution between SUA and M3UA was resolved when discussing RP-010930.
Decision: The document was noted.

RP-010818 M3UA/SUA interoperability issues in IETF (Nokia)
This document was withdrawn.

RP-010930 M3UA - SUA resolution (Ericsson, Nokia, Lucent Technologies, Hutchison 3G, Motorola, Nortel Networks, Siemens, Sonera, Telia, Alcatel)
Antti Toskala (Nokia) presented this document.
Discussion: With the proposal, no vote would be needed. The proposal was to select M3UA for Release 5 and to revisit the issue in Release 6 for an updated SUA.
Decision: The document was noted. No vote was needed. The proposal was approved.

9.4 UE Positioning

9.4.1 UE positioning enhancements

Status

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

RP-010799 Proposal for Technical Enhancement and Improvement to the OTDOA methods in Release 5 under WI35 (UE Positioning Enhancements) or TEI5 (Cambridge Positioning Systems)
David Bartlett (Cambridge Positioning Systems) presented this document.
Discussion: It was commented that the work on existing methods for R'99 and Rel-4 had still not been finished yet. For example, IPDL had not even been presented in WG4 yet. There were claims that IPDL was not the good way forward, but this had never been demonstrated to WG4. This view received support.
Decision: The document was noted. TSG-RAN reiterated its position that no work on new methods would be allowed until the work on existing methods for R'99 and Rel-4 had been finished. Companies were requested to provide input on the current methods to WG4 if they were willing to work on new methods.

9.4.2 UE positioning enhancements for 1.28 Mcps TDD

Status

RP-010910 Status report WI "UE Positioning Enhancements for 1.28 Mcps TDD" (Rapporteur)
Qingguo Feng (CWTS) presented this status report.
Discussion: The completion date was unchanged.
Decision: The status report was noted.

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

This WI was finished at TSG-RAN #13.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010875	WG3	Agreed CRs	approved

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

Status

RP-010824 Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods" (Rapporteur)
Antti Toskala (Nokia) presented this status report.
Discussion: The planned completion date was unchanged.
Decision: The status report was noted.

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

Status

RP-010882 Status report WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes" (Rapporteur)
Alan Law (Vodafone Group) presented this status report.
Discussion: The planned completion date was TSG-RAN #15. The TR was version 1.0.0.
Decision: The status report was noted.

RP-010881 TR 25.875 v.1.0.0. "NAS node selector function" (TSG-RAN WG3)
Decision: The TR was **endorsed**.

9.6 High Speed Downlink Packet Access (HSDPA)

Status

RP-010825 Status report WIs "HSDPA and HSDPA - layer 2 and 3 aspects" (Rapporteur)
Howard Benn (Motorola) presented this status report.
Discussion: For ITU it was more important that there was approved Rel-5 documentation, but 100% completeness was not required. It meant that the specs could be approved with "square bracket values", which could be filled out later. This was similar to what had been done in R'99.
Decision: The status report was noted.

RP-010839 Request for HSDPA specifications description based on national/regional requirements (NEC, Panasonic)
Akihisa Ushirokawa (NEC) presented this document.
Discussion: There were still old notes due to regulatory issues in Japan. The regulatory status had not changed yet, so those notes still needed to stay. It was discussed that no note was required for UEs (this was a base station issue, not a UE issue). It was explained that the reason to choose TS 25.306 was that it was an easy specification to put the information. It was stated that the note should be in TS 25.104 instead. It was explained that, in Japan, the specifications could not be transposed if they "broke the law" and that not having the note on HSDPA would be considered to be breaking the law. In answer to questions why the note was needed, TSG-RAN was reminded that the working procedures clearly specified that regional requirements had to be taken into account, and that the issue whether to have a note should not be debated at TSG-RAN level. What could be debated was where to put it.
Decision: The document was noted. The need to put the note in the specifications was approved. It would be investigated in which particular specifications the note was needed.

CRs for this Work Item

Tdoc	Related WG	Title	Result
RP-010774	WG2	Agreed CRs	approved

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

Status

RP-010843 Status Report WI "HSDPA - Physical layer aspects" (Rapporteur)
Howard Benn (Motorola) presented this status report.
Discussion: This had been used as input to the overall status report.
Decision: The status report was noted. WG4 was requested to check the uplink signalling solution.

RP-010823 TR 25.858 v1.0.0 "HSDPA Physical layer aspects" (Rapporteur)
Decision: The TR was **endorsed**.

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

Status

See RP-010825 (agenda item 9.6).

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

Status

See RP-010825 (agenda item 9.6).

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

Status

See RP-010825 (agenda item 9.6).

9.7 Technical Small Enhancement and Improvements

There was no input for this agenda item.

9.8 Study Items:

9.8.1 Radio link performance enhancements

Status

RP-010814 Status report SI "Radio link performance enhancements" (Rapporteur)
This document was replaced by RP-010907.

RP-010907 Status report SI "Radio link performance enhancements" (Rapporteur)
Antti Toskala (Rapporteur) presented this status report.
Discussion: There would be co-ordination with 3GPP2 on this topic.
Decision: The status report was noted.

9.8.2 USTS

Status

RP-010827 Status Report SI "USTS" (Rapporteur)
Jin Hyo Park (SK Telecom) presented this status report.
Discussion: The WG4 presentation had been done. The conclusion of the SI was unclear. There was no conclusion in the TR. WG1's conclusion was not the type of conclusion with which TSG-RAN could take any decision (WG1 had concluded that the SI was closed and that a WI could be created, but without supplying the technical data in a conclusion on the basis of which TSG-RAN could decide). It was therefore requested to have at least an overview of the simulation summary, which was provided as RP-010948.
Decision: The status report was noted.

RP-010826 TR 25.854 v2.0.0 "USTS" (Rapporteur)
Jin Hyo Park (SK Telecom) presented this TR.
Decision: The TR was **approved** as v5.0.0.

RP-010948 USTS simulation summary (TSG-RAN WG1 Chairman)
Antti Toskala (TSG-RAN WG1 Chairman) presented this document.
Discussion: It was asked if soft handover had been taken into account. It was answered that synchronisation only to one Node B had been taken into account. The results were from the TR. It was pointed out that the results assumed that all UEs supported USTS, and that the gain was much less when this assumption was not true. It was felt unlikely that all UEs supported USTS. After much discussion (both in the meeting and offline) no consensus could be reached, with four companies in favour of creating a WI and three companies against.
Decision: The document was noted.

RP-010828 Revised WI "USTS" (SK Telecom)
Jin Hyo Park (SK Telecom) presented this WI.
Discussion: It was commented that the expected gains from USTS had not been concluded in the Study Item. The capacity gain did not seem a lot and the impact on the hardware was not small. It was clarified that WG1 that the SI was completed and that a WI could be started. A conclusion section was missing in the TR.
Decision: A revision was provided in RP-010944.

RP-010944 Rejected WI "USTS" (SK Telecom)
As there was no consensus (see discussion on RP-010948), the WI could not be approved.

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

Status

There had been no activity on this SI, and as decided in TSG-RAN #13, the SI was therefore closed.

9.8.4 Fast Cell Selection (FCS) for HS-DSCH

Status

There had been no activity. The completion date was unchanged.

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

Status

RP-010947 Proposed way forward for RRM SI and proposed WI "Improvement of RRM across RNS and RNS/BSS" (Nokia)
Antti Toskala (Nokia) presented this document.
Discussion: The document was a resolution of controversy in WG3. A proposed WI sheet was attached.
Decision: The document was noted. The proposal was agreed. The WI was **approved**. The WI sheet was approved.

RP-010917 Status report SI "Improvement of Radio Resource Management across RNS and RNS/BSS" (Rapporteur)
Due to the discussion on RP-010947, this document did not need to be handled.

RP-010922 TR 25.881 v1.0.0 "Improvement of Radio Resource Management across RNS and RNS/BSS" (TSG-RAN WG3)
This document was withdrawn.

RP-010923 TR 25.881 v2.0.0 "Improvement of Radio Resource Management across RNS and RNS/BSS" (Rapporteur)
Antti Toskala (Rapporteur) presented this TR.
Discussion: The conclusion section was missing, but it was irrelevant after discussing RP-010947.
Decision: The TR was **approved** as v5.0.0.

RP-010916 Withdrawn revision of SI sheet for SI "Improvement of Radio Resource Management across RNS and RNS/BSS" (Nokia)
Due to the discussion on RP-010947, this document was withdrawn.

9.8.6 Mitigating the Effect of CPICH Interference at the UE

Status

RP-010893 Status report SI "Mitigating the Effect of CPICH Interference at the UE" (Rapporteur)
Danny Yellin (Rapporteur) presented this status report.
Discussion: It was commented that there had been objections from more than one company in WG4 to the endorsement of the WI, so it could not be the WG4 position. Several WG4 delegates disputed that statement, considering that the status report was a fair summary of what had happened. The conclusions were in any case missing from the TR. In TSG-RAN #12 companies had requested more time to study the issue. There had been an offline discussion on the way forward with the companies involved: (1) no specific procedure implementation; (2) all involved companies were to agree on the WG4 reflector on test requirements; (3) be prepared for discussion next WG4 meeting. However, several companies did not agree to make this SI into a WI.
Decision: The status report and the comments were noted. See discussion in RP-010952.

RP-010952 "Mitigating the Effect of CPICH Interference at the UE": Proposed Way Forward (Intel)
Danny Yellin (Rapporteur) presented this status report.
Discussion: The reason for not having the CR agreed in WG4 was to avoid to set a precedent of handling a CR without a WI.
Decision: The document was noted. The proposal was approved, so both the WI and the CR to it would be presented (by companies) directly to TSG-RAN #15 if consensus could be achieved in WG4. It was recommended that the CRs be provided after checking by companies inside WG4 before presentation to the next TSG-RAN meeting.

RP-010892 TR 25.991 v1.0.0 "Feasibility Study on the Mitigation of the Effect of the Common Pilot Channel (CPICH) Interference at the User Equipment" (Rapporteur)
Danny Yellin (Rapporteur) presented this TR.
Decision: The TR was **endorsed**.

RP-010894 Withdrawn WI "Mitigating the Effect of CPICH Interference at the UE" (Rapporteur)
Based on the discussion on RP-010952 this document was withdrawn.

9.8.7 Feasibility study on UTRA Wideband Distribution System (WDS)

Status

RP-010795 Status report SI "UTRA Wideband Distribution Systems (WDS)" (Rapporteur)
This document was replaced by RP-010811.

RP-010811 Status report SI "UTRA Wideband Distribution Systems (WDS)" (Rapporteur)
This document was replaced by RP-010938.

RP-010938 Status report SI "UTRA Wideband Distribution Systems (WDS)" (Rapporteur)
Carlo Matarasso (Rapporteur) presented this status report.
Discussion: It was acknowledged that the rapporteur had made a good effort to take into account extensive comments onto two previous versions of the status report. It was asked if there was a plan to tighten the Node B specifications; this was not acceptable to Node B manufacturers. Further work was needed in WG4. It was clarified that about 60% of the work had been done, but that it was not reflected in the TR and that it had not been reviewed yet. The planned finalisation date was unchanged.
Decision: The status report was noted. The TR needed to be provided for information to the TSG-RAN plenary with sufficient content.

RP-010794 TR 25.867 v1.0.0 "UTRA Wideband Distribution Subsystems (WDS)" (Rapporteur)
Decision: Due to comments made on RP-010938, the TR could not be endorsed. The TR was **noted**.

9.8.8 SRNS Relocation Procedure enhancement

Status

RP-010886 Status report SI "SRNS Relocation Procedure enhancement" (Rapporteur)
Martin Israelsson (TSG-RAN WG3 Chairman) presented this status report.
Discussion: The planned finalisation date was changed to TSG-RAN #15 and it was really expected to finalise at TSG-RAN #15.

Decision: The status report was noted.

9.8.9 Re-introduction of the downlink SIR measurement

Status

RP-010798 Status report SI "Re-introduction of the downlink SIR measurement" (Rapporteur)
Andreas Wilde (Ericsson) presented this status report.
Discussion: There was no TR, but the attached document provided the outcome of the SI for information. It was proposed to close the SI.
Decision: The status report was noted. The SI was finished.

9.8.10 Introduction of Direct transport bearers between SRNC and Node B

Status

RP-010883 Status report SI "Introduction of Direct transport bearers between SRNC and Node B" (Rapporteur)
Martin Israelsson (Ericsson) presented this status report.
Discussion: The SI was considered closed for part of the original questions, but another part remained unresolved. The planned completion date was TSG-RAN #15.
Decision: The status report was noted.

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

Status

RP-010900 Status report SI "Feasibility Study considering the viable deployment of UTRA in additional and diverse spectrum arrangements" (Rapporteur)
Per Beming (Rapporteur) presented this status report.
Discussion: The planned completion date was decided to be left unchanged as TSG-RAN #17, not #16 as stated in the report.
Decision: The status report was noted.

9.9 New Work Items

RP-010936 Revised WI "Support of Site Selection Diversity Transmission in UTRAN" (Fujitsu, NEC)
Sunil Vadgama (Fujitsu) presented this document.
Discussion: This was the document following from discussion on SSDT in agenda item 8.1.2. It was commented that the sentence "The UE behaviour was clarified ..." was not correct and should be removed. This was not a feature, it was a building block of RAN improvements.
Decision: A revision of the WI sheet was needed, see RP-010951. With the comments taken into account it was approved.

RP-010951 Approved WI "Support of Site Selection Diversity Transmission in UTRAN" (Fujitsu, NEC)
The WI was **approved**. The WI sheet was approved.

RP-010822 Presentation on WI "Inclusion of Uplink TDOA location method" (TruePosition)
Robert Gross (TruePosition) presented this document.
Discussion: There could be no work on new UE positioning methods before completing R'99 and Rel-4. It was also explained that earlier questions on whether the method would work were thought to have been answered positively. However, it was commented that any new method should also show significant incremental gain. If approved, it would have to be as Study Item to show this.
Decision: The document was noted. The proponents were encouraged to help finishing the work on the R'99 and Rel-4 methods before coming back with a new Study Item sheet.

RP-010821 Withdrawn WI "Inclusion of Uplink TDOA location method" (TruePosition)
Due to discussion on RP-010822, this document was withdrawn.

RP-010813 Status report to explain update of WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (Nokia)
Antti Toskala (Nokia) presented this document.
Discussion: This document gave background explanation for RP-010812.
Decision: The document was noted.

RP-010812 Approved WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN", (Nokia)
Antti Toskala (Nokia) presented this WI sheet.
Discussion: The title was decided to be OK after all.
Decision: The WI was **approved**. The WI sheet was approved.

RP-010834 Postponed WI "Interface to control electrical tilting antennas" (Mannesmann Mobilfunk)
Volker Hoehn (Mannesmann Mobilfunk) presented this WI sheet.
Discussion: It was commented that the issue should be studied, but that the proposal seemed to provide a solution rather than a problem. The objective was understood, but there were doubts on the descriptions in this particular WI. WG3 could propose a WI for TSG-RAN #15 and WG3 and perhaps WG4 should have a look at it. It was requested that the proponents provide a clearer WI to WG3.
Decision: WG3 was tasked to draft a WI for TSG-RAN #15 (including assessment on what should be done in TSG-RAN, as OAM issues were normally taken care of by TSG-SA WG5).

RP-010902 Withdrawn WI "UE antenna efficiency test methods and performance requirements" (Telia, Allgon)
This document was withdrawn.

RP-010920 Revised WI "Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD" (Samsung)
Sungoh Hwang (Samsung) presented this WI sheet.
Discussion: This would become a Study Item. The list of specs with CRs identified would be removed. It was encouraged that the work was started in all WGs in parallel.
Decision: There was a need for a revised SI sheet. This would be in RP-010929.

RP-010929 Approved SI "Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD" (Samsung)
Sungoh Hwang (Samsung) presented this WI sheet.
Decision: The SI was **approved**. The SI sheet was approved.

RP-010943 Noted SI "Analysis of OFDM for UTRAN evolution" (Nortel Networks, Wavecom)
Denis Fauconnier (Nortel Networks) presented this SI sheet.
Discussion: The SI was not presented for approval, but to collect comments. There was a question on whether new air interfaces could be acceptable as part of 3GPP. There was concern on this.
Decision: The SI was **noted**. Francois Courau (Chairman) would forward the document to PCG and TSG-SA for consideration of the issue (not particularly this proposal, but in general).

10 Technical co-ordination among WGs

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

There was no input for this agenda item.

10.2 Other needs

There was no input for this agenda item.

11 Output to other groups

11.1 TSG-SA and TSG-SA WGs

RP-010949 Approved LS on MBMS (Nortel Networks)
Denis Fauconnier (Nortel Networks) presented this LS.
Decision: The LS was **approved**. The final version would be in RP-010954.

RP-010954 Approved LS on MBMS (TSG-RAN)
Decision: The LS was **approved**.

RP-010942 Rejected LS on SRB ciphering (France Telecom)
Bruno Schuffenecker (France Telecom) presented this LS.
Discussion: The LS should be sent also to TSG-SA WG1. There was a need to rephrase it, as the current wording gave the impression that TSG-RAN already agreed, which was not the case. It was commented that there was no consensus in TSG-RAN yet and that the LS gave the wrong impression.
Decision: Because no consensus could be reached, the LS was **rejected**. The problem was TSG-RAN-internal. Proponents could study the issue internally in the company and come to WG2 and/or WG3 if necessary.

11.2 TSG-T and TSG-T WGs

RP-010921 Approved Liaison statement on RABs in 34.108 (Nortel Networks, Motorola)
Niels Andersen (Motorola) presented this LS.
Decision: The LS was **approved**. The final version would be in RP-010955.

RP-010955 Approved Liaison statement on RABs in 34.108 (TSG-RAN)
Decision: The LS was **approved**.

RP-010931 Approved Liaison statement on updating procedure of RAB definitions in TS 34.108 (Nokia, Nortel Networks, Ericsson)
Antti Toskala (Nokia) presented this LS.
Decision: The LS was **approved**. The final version would be in RP-010956.

RP-010956 Approved Liaison statement on updating procedure of RAB definitions in TS 34.108 (TSG-RAN)
Decision: The LS was **approved**.

11.3 ITU-R

There was no input for this agenda item.

11.4 Other

There was no input for this agenda item.

12 Project management

RP-010829 CR to 21.101: "Correction to list of specs" (MCC)
This document was withdrawn.

RP-010830 CR to 21.102: "Correction to list of specs" (MCC)
John Meredith (MCC) presented this document.
Discussion: Comments could be provided directly to MCC.
Decision: The document was noted.

RP-010831 CR to 01.01: "GSM Release 1999 specifications. (MCC)
John Meredith (MCC) presented this document.
Decision: The document was noted.

RP-010832 CR to 41.102: "GSM Release 4 Specifications" (MCC)
John Meredith (MCC) presented this document.
Decision: The document was noted.

RP-010833 Specs status list prior to TSGs#14 (MCC)
John Meredith (MCC) presented this document.
Decision: The document was noted.

13 Any Other Business

There was no input for this agenda item.

14 Closing of meeting

Francois Courau (Chairman) thanked the hosts for organising the meeting and providing the marvellous social event and thanked the delegates for their patience.

For future meetings, see Annex E.

Annex A: List of delegates

Guest organisation for 3GPP (OTHER)

ATTENDEE	REPRESENTED ORGANISATION	CTRY	E-MAIL
1. Dr. Carlo Matarasso	Tekmar Sistemi Srl	IT	carlo.matarasso@tekmar.it
2. Dr. Danny Yellin	Intel CCD Israel (DSPC)	IL	daniel.yellin@intel.com

Member of 3GPP (ARIB)

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19. Mr. Akihiro Shibuya	Mitsubishi Electric Co.	JP	
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24. Mr. Mishuku Tetsuya	Mitsubishi Electric Co.	JP	
25. Mr. Akihisa Ushirokawa	NEC Corporation	JP	a-ushirokawa@aj.jp.nec.com
26. Mr. Hideji Wakabayashi	Mitsubishi Electric Co.	JP	wakabaya@csc.melco.co.jp
27. Mr. Kunio Watanabe	Fujitsu Limited	JP	kunio.watanabe@jp.fujitsu.com
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29. Mr. Yukio Yoshimura	NEC Corporation	JP	y-yoshimura@ax.jp.nec.com

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Annex B: List of documents

Doc.No.	Title	Source	Ag.It.	Comments
RP-010722	Proposed agenda	Chairman	2	
RP-010723	Draft Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001)	Secretary	3	
RP-010724	Revised draft Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001)	Secretary	3	
RP-010725	Approved Report of the 13th TSG-RAN meeting (Beijing, China, 18-21 September 2001)	Secretary	3	
RP-010726	Draft Report of the 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001)	Secretary	6	
RP-010727	Approved Report of the 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001)	Secretary	6	
RP-010728	Revised output statement of 3GPP/3GPP2 Harmonisation meeting on 3GPP HSDPA and 3GPP2 1xEV-DV/1xEV-DO work (East Brunswick, NJ, USA, 13-14 November 2001)	3GPP/3GPP2 joint meeting	6	
RP-010729	Work Item sheets - Latest situation	Secretary	9	
RP-010730	Historic Work Item sheets	Secretary	9	
RP-010731	Study Item sheets - Latest situation	Secretary	9	
RP-010732	Historic Study Item sheets	Secretary	9	
RP-010733	Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	8.1.1	
RP-010734	Supplement (List of agreed CRs) to Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	8.1.1	
RP-010735	CRs (R'99 and Rel-4 Category A) to TS 25.201	TSG-RAN WG1	8.1.3	
RP-010736	CRs (R'99 and Rel-4 Category A) to TS 25.211	TSG-RAN WG1	8.1.3	
RP-010737	CRs (R'99 and Rel-4 Category A) to TS 25.212	TSG-RAN WG1	8.1.3	
RP-010738	CRs (R'99 and Rel-4 Category A) to TS 25.213	TSG-RAN WG1	8.1.3	
RP-010739	CRs (R'99 and Rel-4 Category A) to TS 25.214	TSG-RAN WG1	8.1.3	
RP-010740	CRs (R'99 and Rel-4 Category A) to TS 25.215	TSG-RAN WG1	8.1.3	
RP-010741	CRs (R'99 and Rel-4 Category A) to TS 25.221	TSG-RAN WG1	8.1.3	
RP-010742	CRs (R'99 and Rel-4 Category A) to TS 25.224	TSG-RAN WG1	8.1.3	
RP-010743	CRs (R'99 and Rel-4 Category A) to TS 25.225	TSG-RAN WG1	8.1.3	
RP-010744	CRs (Rel-4) to TS 25.214	TSG-RAN WG1	8.1.4	
RP-010745	CRs (Rel-4) to TS 25.215	TSG-RAN WG1	8.1.4	
RP-010746	CRs (Rel-4) to TS 25.221	TSG-RAN WG1	8.1.4	
RP-010747	CRs (Rel-4) to TS 25.222	TSG-RAN WG1	8.1.4	
RP-010748	CRs (Rel-4) to TS 25.223	TSG-RAN WG1	8.1.4	
RP-010749	CRs (Rel-4) to TS 25.224	TSG-RAN WG1	8.1.4	
RP-010750	CRs (Rel-4) to TS 25.225	TSG-RAN WG1	8.1.4	
RP-010751	Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	8.2.1	
RP-010752	Supplement (List of ALL agreed CRs including Rel-5 only CRs) to Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	8.2.1	
RP-010753	CRs (R'99 and Rel-4 Category A) to TS 25.301	TSG-RAN WG2	8.2.3	
RP-010754	CRs (R'99 and Rel-4 Category A) to TS 25.302	TSG-RAN WG2	8.2.3	
RP-010755	CRs (R'99 and Rel-4 Category A) to TS 25.303	TSG-RAN WG2	8.2.3	
RP-010756	CRs (R'99 and Rel-4 Category A) to TS 25.304	TSG-RAN WG2	8.2.3	
RP-010757	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.305	TSG-RAN WG2	8.2.3	
RP-010758	CRs (R'99 and Rel-4 Category A) to TS 25.306	TSG-RAN WG2	8.2.3	
RP-010759	CRs (R'99 and Rel-4 Category A) to TS 25.307	TSG-RAN WG2	8.2.3	
RP-010760	CRs (R'99 and Rel-4 Category A) to TS 25.321	TSG-RAN WG2	8.2.3	
RP-010761	CRs (R'99 and Rel-4 Category A) to TS 25.322	TSG-RAN WG2	8.2.3	
RP-010762	CRs (R'99 and Rel-4 Category A) to TS 25.323	TSG-RAN WG2	8.2.3	

Doc.No.	Title	Source	Ag.It.	Comments
RP-010763	CRs (R'99 and Rel-4 Category A) to TS 25.331 (1)	TSG-RAN WG2	8.2.3	
RP-010764	CRs (R'99 and Rel-4 Category A) to TS 25.331 (2)	TSG-RAN WG2	8.2.3	
RP-010765	CRs (R'99 and Rel-4 Category A) to TS 25.331 (3)	TSG-RAN WG2	8.2.3	
RP-010766	CRs (R'99 and Rel-4 Category A) to TS 25.331 (4)	TSG-RAN WG2	8.2.3	
RP-010767	CRs (R'99 and Rel-4 Category A) to TS 25.331 (5)	TSG-RAN WG2	8.2.3	
RP-010768	CRs (R'99 and Rel-4 Category A) to TR 25.921	TSG-RAN WG2	8.2.3	
RP-010769	CRs (Rel-4) to TS 25.302	TSG-RAN WG2	8.2.4	
RP-010770	CRs (Rel-4 and Rel-5 Category A) to TS 25.305	TSG-RAN WG2	8.2.4	
RP-010771	CRs (Rel-4) to TS 25.322	TSG-RAN WG2	8.2.4	
RP-010772	CRs (Rel-4) to TS 25.323	TSG-RAN WG2	8.2.4	
RP-010773	CRs (Rel-4) to TS 25.331	TSG-RAN WG2	8.2.4	
RP-010774	CRs (Rel-5) for WI "High Speed Downlink Packet Access (HSDPA)"	TSG-RAN WG2	9.6	
RP-010775	CRs (R'99 and Rel-4 Category A) to TS 25.214	TSG-RAN WG1	8.1.3	
RP-010776	Status Report WG4	TSG-RAN WG4 Chairman	8.4.1	
RP-010777	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.101	TSG-RAN WG4	8.4.3	
RP-010778	CRs (R'99 and Rel-4 Category A) to TS 25.102	TSG-RAN WG4	8.4.3	
RP-010779	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.104	TSG-RAN WG4	8.4.3	
RP-010780	CRs (R'99 and Rel-4 Category A) to TS 25.105	TSG-RAN WG4	8.4.3	
RP-010781	CRs (R'99 and Rel-4 Category A) to TS 25.123	TSG-RAN WG4	8.4.3	
RP-010782	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (1)	TSG-RAN WG4	8.4.3	
RP-010783	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.141	TSG-RAN WG4	8.4.3	
RP-010784	CRs (R'99 and Rel-4 Category A) to TS 25.142	TSG-RAN WG4	8.4.3	
RP-010785	CRs (R'99 and Rel-4 Category A) to TR 25.942	TSG-RAN WG4	8.4.3	
RP-010786	CRs (Rel-4) to TS 25.123	TSG-RAN WG4	8.4.4	
RP-010787	CRs (Rel-4 and Rel-5 Category A) to TS 25.133	TSG-RAN WG4	8.4.4	
RP-010788	CRs (Rel-4) to TR 25.943	TSG-RAN WG4	8.4.4	
RP-010789	CRs (Rel-5) for WI "UMTS 1800"	TSG-RAN WG4	9.1.5	
RP-010790	CRs (Rel-5) for WI "Beamforming"	TSG-RAN WG4	9.2.5	
RP-010791	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (2)	TSG-RAN WG4	8.4.3	
RP-010792	CRs (R'99 and Rel-4/Rel-5 Category A) to TS 25.133 (3)	TSG-RAN WG4	8.4.3	
RP-010793	CRs (Rel-4) to TS 25.102	TSG-RAN WG4	8.4.4	
RP-010794	TR 25.867 v1.0.0 "UTRA Wideband Distribution Subsystems (WDS)"	Rapporteur	9.8.7	
RP-010795	Status report SI "UTRA Wideband Distribution Systems (WDS)"	Rapporteur	9.8.7	RP-010811
RP-010796	Status report WI "Multiple Input Multiple Output antennas (MIMO)"	Rapporteur	9.1.7	
RP-010797	TR 25.876 v1.0.0"Multiple-Input Multiple Output Antenna Processing for HSDPA"	Rapporteur	9.1.7	
RP-010798	Status report SI "Re-introduction of the downlink SIR measurement"	Rapporteur	9.8.9	
RP-010799	Proposal for Technical Enhancement and Improvement to the OTDOA methods in Release 5 under WI35 (UE Positioning Enhancements) or TEI5	Cambridge Positioning Systems	9.4.1	
RP-010800	Status report WI "Beamforming"	Rapporteur	9.2.5	
RP-010801	Status report WI "Base Station Classification for 1.28 Mcps TDD option"	Rapporteur	9.1.2.3	
RP-010802	LS (Communication-to-3GPP-TSG-RAN, to TSG-RAN) on AAL TYPE 2 RESOURCE MANAGEMENT	ITU-T	7.1	
RP-010803	LS (03-LS-on-new-Q15-16-complete, to TSG-RAN) on New SG 16 work on Distributed Speech Recognition (DSR) and Distributed Speaker Verification (DSV)	ITU-T	7.1	
RP-010804	(S1-011310, copy TSG-RAN) Response to LS (GP-011913) on Requirements on Multimedia Broadcast/Multicast Service	TSG-SA WG1	7.2	
RP-010805	(GP-012704, to TSG-RAN) Response to LS (R3-012694) on GERAN architecture and impacts on the Iu-cs interface	TSG-GERAN	7.2	
RP-010806	(GP-012841, copy TSG-RAN) Response to LS (S1-011310) on MBMS	TSG-GERAN	7.2	
RP-010807	(GP-012778, copy TSG-RAN) Response to LS (R3-013071) on Status of the SI: Improvement of RRM across RNS and RNS/BSS	TSG-GERAN	7.2	

Doc.No.	Title	Source	Ag.It.	Comments
RP-010808	(R2-012772, copy TSG-RAN) Response to LS (R4-011664) on UE Rx-Tx Time Difference measurement	TSG-RAN WG2	7.3	
RP-010809	Draft report Ad-hoc RAN(3)&CN(4) on M3UA / SUA for Rel-5 (Helsinki, Finland, 7-8 November 2001)	Ad Hoc Chairman	9.3.1	
RP-010810	TR 25.882 v1.1.0 "Base Station Classification for 1.28 Mcps TDD option"	Rapporteur	9.1.2.3	
RP-010811	Status report SI "UTRA Wideband Distribution Systems (WDS)"	Rapporteur	9.8.7	RP-010938
RP-010812	Approved WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN",	Nokia	9.9	
RP-010813	Status report to explain update of WI "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN"	Nokia	9.9	
RP-010814	Status report SI "Radio link performance enhancements"	Rapporteur	9.8.1	RP-010907
RP-010815	Status report WIs "UMTS 1800" and "UMTS 1900"	Rapporteur	9.1.5/9.1.6	
RP-010816	Revised CR xxx to 25.4xx on Correction to SFN-SFN Observed Time Difference Measurement report mapping	Nokia	8.3.2	RP-010911, RP-010912
RP-010817	M3UA/SUA discussion paper	Nokia	9.3.1	
RP-010818	M3UA/SUA interoperability issues in IETF	Nokia	9.3.1	withdrawn
RP-010819	Views on SSDT in R'99	Nokia	8.1.2	withdrawn
RP-010820	Remarks on the interaction between proposed UE positioning corrections and other R'99 features	Nokia	8.2.2	
RP-010821	Withdrawn WI "Inclusion of Uplink TDOA location method"	TruePosition	9.9	withdrawn
RP-010822	Presentation on WI "Inclusion of Uplink TDOA location method"	TruePosition	9.9	
RP-010823	TR 25.858 v1.0.0 "HSDPA Physical layer aspects"	Rapporteur	9.6.1	
RP-010824	Status report WI "Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods"	Rapporteur	9.4.4	
RP-010825	Status report WIs "HSDPA and HSDPA - layer 2 and 3 aspects"	Rapporteur	9.6/9.6.2	
RP-010826	TR 25.854 v2.0.0 "USTS"	Rapporteur	9.8.2	
RP-010827	Status Report SI "USTS"	Rapporteur	9.8.2	
RP-010828	Revised WI "USTS"	SK Telecom	9.8.2	RP-010944
RP-010829	CR to 21.101: "Correction to list of specs"	MCC	12	withdrawn
RP-010830	CR to 21.102: "Correction to list of specs"	MCC	12	
RP-010831	CR to 01.01: "GSM Release 1999 specifications.	MCC	12	
RP-010832	CR to 41.102: "GSM Release 4 Specifications"	MCC	12	
RP-010833	Specs status list prior to TSGs#14	MCC	12	
RP-010834	Postponed WI "Interface to control electrical tilting antennas"	Mannesmann Mobilfunk	9.9	
RP-010835	Status Report	ITU-R Ad Hoc contact person	8.5	
RP-010836	LS from IMT-2000 PM to SDOs on the completion of the Revision of Recommendation ITU-R M.1457	ITU-R Ad Hoc contact person	8.5	
RP-010837	Proposed contribution to ITU-R WP8F on the completion of the Revision of Recommendation ITU-R M.1457	ITU-R Ad Hoc	8.5	
RP-010838	Update reminder for the OPs on the compliance with ITU-R procedures as it relates to the completion of Revision of Recommendation ITU-R M.1457	ITU-R Ad Hoc	8.5	
RP-010839	Request for HSDPA specifications description based on national/regional requirements	NEC, Panasonic	9.6	
RP-010840	Status report WI "Enhancement on the DSCH hard split mode"	Rapporteur	9.1.8	
RP-010841	TR 25.870 v1.1.0 "Enhancement on the DSCH hard split mode"	TSG-RAN WG1	9.1.8	
RP-010842	Revised WI sheet for WI "Improvement of inter-frequency and inter-system measurement"	Samsung	9.1.1	RP-010906
RP-010843	Status Report WI "HSDPA - Physical layer aspects"	Rapporteur	9.6.1	
RP-010844	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	8.3.1	
RP-010845	List of agreed CRs from RAN WG3	TSG-RAN WG3	8.3.1	
RP-010846	CRs (R'99 and Rel-4 Category A) to TS 25.402	TSG-RAN WG3	8.3.3	
RP-010847	CRs (R'99 and Rel-4 Category A) to TS 25.410	TSG-RAN WG3	8.3.3	

Doc.No.	Title	Source	Ag.It.	Comments
RP-010848	CRs (R'99 and Rel-4 Category A) to TS 25.413 (1)	TSG-RAN WG3	8.3.3	
RP-010849	CRs (R'99 and Rel-4 Category A) to TS 25.413 (2)	TSG-RAN WG3	8.3.3	
RP-010850	CRs (R'99 and Rel-4 Category A) to TS 25.414	TSG-RAN WG3	8.3.3	
RP-010851	CRs (R'99 and Rel-4 Category A) to TS 25.415	TSG-RAN WG3	8.3.3	
RP-010852	CRs (R'99 and Rel-4 Category A) to TS 25.419	TSG-RAN WG3	8.3.3	
RP-010853	CRs (R'99 and Rel-4 Category A) to TS 25.420	TSG-RAN WG3	8.3.3	
RP-010854	CRs (R'99 and Rel-4 Category A) to TS 25.422	TSG-RAN WG3	8.3.3	
RP-010855	CRs (R'99 and Rel-4 Category A) to TS 25.423 (1)	TSG-RAN WG3	8.3.3	
RP-010856	CRs (R'99 and Rel-4 Category A) to TS 25.423 (2)	TSG-RAN WG3	8.3.3	
RP-010857	CRs (R'99 and Rel-4 Category A) to TS 25.424	TSG-RAN WG3	8.3.3	
RP-010858	CRs (R'99 and Rel-4 Category A) to TS 25.425	TSG-RAN WG3	8.3.3	
RP-010859	CRs (R'99 and Rel-4 Category A) to TS 25.426	TSG-RAN WG3	8.3.3	
RP-010860	CRs (R'99 and Rel-4 Category A) to TS 25.427	TSG-RAN WG3	8.3.3	
RP-010861	CRs (R'99 and Rel-4 Category A) to TS 25.430	TSG-RAN WG3	8.3.3	
RP-010862	CRs (R'99 and Rel-4 Category A) to TS 25.433 (1)	TSG-RAN WG3	8.3.3	
RP-010863	CRs (R'99 and Rel-4 Category A) to TS 25.433 (2)	TSG-RAN WG3	8.3.3	
RP-010864	CRs (R'99 and Rel-4 Category A) to TS 25.4354	TSG-RAN WG3	8.3.3	
RP-010865	CRs (R'99 and Rel-4 Category A) to TS 25.435	TSG-RAN WG3	8.3.3	
RP-010866	CRs (Rel-4) to TR 25.838	TSG-RAN WG3	8.3.4	
RP-010867	CRs (Rel-4) to TR 25.850	TSG-RAN WG3	8.3.4	
RP-010868	CRs (R'99 and Rel-4 Category A) to TR 25.931	TSG-RAN WG3	8.3.3	
RP-010869	CRs (Rel-4) to TS 25.402	TSG-RAN WG3	8.3.4	
RP-010870	CRs (Rel-4) to TS 25.410	TSG-RAN WG3	8.3.4	
RP-010871	CRs (Rel-4) to TS 25.413	TSG-RAN WG3	8.3.4	
RP-010872	CRs (Rel-4) to TS 25.415	TSG-RAN WG3	8.3.4	
RP-010873	CRs (Rel-4) to TS 25.423	TSG-RAN WG3	8.3.4	
RP-010874	CRs (Rel-4) to TS 25.433	TSG-RAN WG3	8.3.4	
RP-010875	CRs (Rel-5) for WI "Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning"	TSG-RAN WG3	9.4.3	
RP-010876	TR 25.933 v1.5.0 "IP Transport in UTRAN"	TSG-RAN WG3	9.3.1	
RP-010877	Status report WI "IP Transport in UTRAN"	Rapporteur	9.3.1	
RP-010878	Status report WI "Radio Link Timing Adjustment"	Rapporteur	9.2.1.1	
RP-010879	Status report WI "Separation of resource reservation and radio link activation"	Rapporteur	9.2.1.2	
RP-010880	Status report WI "Re-arrangement of Iub transport bearers"	Rapporteur	9.2.4	
RP-010881	TR 25.875 v1.0.0 "NAS node selector function"	TSG-RAN WG3	9.5	
RP-010882	Status report WI "RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes"	Rapporteur	9.5	
RP-010883	Status report SI "Introduction of Direct transport bearers between SRNC and Node B"	Rapporteur	9.8.10	
RP-010884	Status report WI "Iur Neighbouring cell reporting Efficiency Optimisation"	Rapporteur	9.2.1.4	
RP-010885	Status report WI "Iur Common Transport Channel Efficiency Optimisation"	Rapporteur	9.2.1.3	
RP-010886	Status report SI "SRNS Relocation Procedure enhancement"	Rapporteur	9.8.8	
RP-010887	Work plan	MCC	9	
RP-010888	MCC review of the Work Plan	MCC	9	
RP-010889	(T1-010552, copy TSG-RAN) LS on Advice on proposed RABs (PS Domain) to be included in Rel-5 of TS 34.108 to support conversational class traffic	TSG-T WG1	7.2	
RP-010890	(R3-013480, to TSG-RAN) Response to LS (LS23/13) on AAL Type 2 Resource Management	TSG-RAN WG3	7.3	
RP-010891	(R3-013617, to TSG-RAN) Response to LS (G2-010484) on Proposed Changes to 25.413 v5.x.x for GERAN Iu mode LCS	TSG-RAN WG3	7.3	
RP-010892	TR 25.991 v1.0.0 "Feasibility Study on the Mitigation of the Effect of the Common Pilot Channel (CPICH) Interference at the User Equipment"	Rapporteur	9.8.6	
RP-010893	Status report SI "Mitigating the Effect of CPICH Interference at the	Rapporteur	9.8.6	

Doc.No.	Title	Source	Ag.It.	Comments
	UE"			
RP-010894	Withdrawn WI "Mitigating the Effect of CPICH Interference at the UE"	Rapporteur	9.8.6	
RP-010895	CRs (R'99 and Rel-4 Category A) to TS 25.413 (3)	TSG-RAN WG3	8.3.3	
RP-010896	CRs (R'99 and Rel-4 Category A) to TS 25.423 (3)	TSG-RAN WG3	8.3.3	
RP-010897	CRs (R'99 and Rel-4 Category A) to TS 25.433 (3)	TSG-RAN WG3	8.3.3	
RP-010898	TR 25.868 v1.1.0 "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.2.2	
RP-010899	Status report WI "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.2.2	RP-010918
RP-010900	Status report SI "Feasibility Study considering the viable deployment of UTRA in additional and diverse spectrum arrangements"	Rapporteur	9.8.11	
RP-010901	SSDT in Release 99 and Release 4	NEC	8.1.2	
RP-010902	Withdrawn WI "UE antenna efficiency test methods and performance requirements"	Telia, Allgon	9.9	withdrawn
RP-010903	SSDT	Fujitsu	8.1.2	
RP-010904	Approved CR 115r2 (R'99) and CR 116r2 (Rel-4) to 25.211	Panasonic	8.1.2	
RP-010905	(R3-013694, copy TSG-RAN) Response to LS (R1) on S-Field length	TSG-RAN WG3	7.3	
RP-010906	Revised WI sheet for WI "Improvement of inter-frequency and inter-system measurement"	Samsung	9.1.1	RP-010920
RP-010907	Status report SI "Radio Link Performance Enhancements"	Rapporteur	9.8.5	
RP-010908	Release 99 feature/functionality UE support	Nokia	8	withdrawn
RP-010909	On RAB and SRB ciphering	France Telecom	8.2.2	
RP-010910	Status report WI "UE Positioning Enhancements for 1.28 Mcps TDD"	Rapporteur	9.4.2	
RP-010911	Agreed CR 485r1 (Rel-4) to TS 25.423	TSG-RAN WG3	8.3.4	
RP-010912	Agreed CR 545r1 (Rel-4) to TS 25.433	TSG-RAN WG3	8.3.4	
RP-010913	CRs (R'99 and Rel-4 Category A) to TS 25.133 (4)	TSG-RAN WG4	8.4.3	
RP-010914	Proposed "CR" to out-of-date Study Item sheets	Secretary	9	
RP-010915	Proposed "CR" to out-of-date Work Item sheets	Secretary	9	
RP-010916	Withdrawn SI sheet for SI "Improvement of Radio Resource Management across RNS and RNS/BSS"	Nokia	9.8.5	withdrawn
RP-010917	Status report SI "Improvement of Radio Resource Management across RNS and RNS/BSS"	Rapporteur	9.8.5	
RP-010918	Status report WI "Node B synchronization for 1.28 Mcps TDD"	Rapporteur	9.2.2	
RP-010919	Status report WI "TDD Base Station Classification"	Rapporteur	9.1.2.1	
RP-010920	Revised WI "Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD"	Samsung	9.9	RP-010929
RP-010921	Approved Liaison statement on RABs in 34.108	Nortel Networks, Motorola	11	RP-010956
RP-010922	TR 25.881 v1.0.0 "Improvement of Radio Resource Management across RNS and RNS/BSS"	TSG-RAN WG3	9.8.5	withdrawn
RP-010923	TR 25.881 v2.0.0 "Improvement of Radio Resource Management across RNS and RNS/BSS"	Rapporteur	9.8.5	
RP-010924	Proposed way forward for SSDT in UTRAN	TSG-RAN WG1 Chairman	8.1.2	RP-010937
RP-010925	Smooth Introduction of Release 99	Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, T-Mobil, Qualcomm	8	
RP-010926	UE capability for commercial deployment	Alcatel, Ericsson, Nokia, Nortel Networks, Motorola, Qualcomm, T-Mobil	8	
RP-010927	Principles for UE testing and related indication from UE	Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, Qualcomm, T-Mobil	8	
RP-010928	Errors discovered in the R99	Alcatel, Ericsson, Motorola, Nokia, Nortel Networks, Qualcomm, T-Mobil	8	
RP-010929	Approved SI "Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD"	Samsung	9.9	

Doc.No.	Title	Source	Ag.It.	Comments
RP-010930	M3UA - SUA resolution	Ericsson, Nokia, Lucent Technologies, Hutchison 3G, Motorola, Nortel Networks, Siemens, Sonera, Telia, Alcatel	9.3.1	
RP-010931	Approved Liaison statement on updating procedure of RAB definitions in TS 34.108	Nokia, Nortel Networks, Ericsson	11	RP-010955
RP-010932	Approved CR 134 (R'99) and CR 135 (Rel-4) to TS 25.211	Nokia	8.1.2	
RP-010933	Approved CR 228 (R'99) and CR 229 (Rel-4) to TS 25.214	Nokia	8.1.2	
RP-010934	Withdrawn CR xxx (R'99) to TS 25.214	Fujitsu, NEC	8.1.2	withdrawn
RP-010935	Withdrawn CR xxx (Rel-4) to TS 25.214	Fujitsu, NEC	8.1.2	withdrawn
RP-010936	Revised WI "Support of Site Selection Diversity Transmission in UTRAN"	Fujitsu, NEC	8.1.2	RP-010951
RP-010937	Proposed way forward for SSDT in UTRAN	TSG-RAN WG1 Chairman	8.1.2	
RP-010938	Status report SI "UTRA Wideband Distribution Systems (WDS)"	Rapporteur	9.8.7	
RP-010939	Revised CR 1177r2 (R'99) to 25.331	Motorola	8.2.2	
RP-010940	Approved CR 1177r3 (R'99) and CR 1178r1 (Rel-4) to 25.331	Motorola	8.2.2	
RP-010941	Approved CR 1185r4 (R'99) and CR 1186r1 (Rel-4) to 25.331	Nortel Networks	8.2.2	
RP-010942	Rejected LS on SRB ciphering	France Telecom	11	
RP-010943	Noted SI "Analysis of OFDM for UTRAN evolution"	Nortel Networks, Wavecom	9.9	
RP-010944	Rejected WI "USTS"	SK Telecom	9.8.2	
RP-010945	Revised WI "Beamforming enhancements"	Nokia	9.2.5	RP-010953
RP-010946	Revised WI "Beamforming requirements for UE"	Nokia	9.2.5	RP-010950
RP-010947	Proposed way forward for RRM SI	Nokia	9.8.5	
RP-010948	Summary of Capacity Results of USTS	TSG-RAN WG1 Chairman	9.8.2	
RP-010949	Approved LS on MBMS	Nortel Networks	11	RP-010954
RP-010950	Approved WI "Beamforming requirements for UE"	Nokia	9.2.5	
RP-010951	Approved WI "Support of Site Selection Diversity Transmission in UTRAN"	Fujitsu, NEC	8.1.2	
RP-010952	"Mitigating the Effect of CPICH Interference at the UE": Proposed Way Forward	Intel	9.8.6	
RP-010953	Approved WI "Beamforming enhancements"	Nokia	9.2.5	
RP-010954	Approved LS on MBMS	TSG-RAN	11	
RP-010955	Approved Liaison statement on updating procedure of RAB definitions in TS 34.108	TSG-RAN	11	
RP-010956	Approved Liaison statement on RABs in 34.108	TSG-RAN	11	

Annex C: Status table of CRs

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.101	133		R99	F	RP-14	RP-010777	R4-011484	approved	Clarification on 25.101 sec 8.8.2 averaging method.	3.8.0	3.9.0	R4	
25.101	134		Rel-4	A	RP-14	RP-010777	R4-011485	approved	Clarification on 25.101 sec 8.8.2 averaging method.	4.2.0	4.3.0	R4	
25.101	135		Rel-5	A	RP-14	RP-010777	R4-011486	approved	Clarification on 25.101 sec 8.8.2 averaging method.	5.0.0	5.1.0	R4	
25.101	136		R99	F	RP-14	RP-010777	R4-011498	approved	Correction of power control in downlink, initial convergence	3.8.0	3.9.0	R4	
25.101	137		Rel-4	A	RP-14	RP-010777	R4-011610	approved	Correction of power control in downlink, initial convergence	4.2.0	4.3.0	R4	
25.101	138		Rel-5	A	RP-14	RP-010777	R4-011611	approved	Correction of power control in downlink, initial convergence	5.0.0	5.1.0	R4	
25.101	139		R99	F	RP-14	RP-010777	R4-011599	approved	UMTS 1900 corrections to TS 25.101v380	3.8.0	3.9.0	R4	RInImp-UMTS19
25.101	140		Rel-4	A	RP-14	RP-010777	R4-011600	approved	UMTS 1900 corrections to TS 25.101 rel4	4.2.0	4.3.0	R4	RInImp-UMTS19
25.101	141		Rel-5	B	RP-14	RP-010789	R4-011648	approved	UMTS1800/1900 changes	5.0.0	5.1.0	R4	RInImp-UMTS18
25.101	142		Rel-5	B	RP-14	RP-010790	R4-011616	approved	Performance requirement for dedicated pilot	5.0.0	5.1.0	R4	RANImp-BeamF
25.102	081		R99	F	RP-14	RP-010778	R4-011443	approved	Tx On/Off Test Requirements for Discontinuous Transmission	3.8.0	3.9.0	R4	
25.102	082		Rel-4	A	RP-14	RP-010778	R4-011487	approved	Tx On/Off Test Requirements for Discontinuous Transmission	4.2.0	4.3.0	R4	
25.102	083		R99	F	RP-14	RP-010778	R4-011496	approved	Downlink power control - performance requirement for constant BLER target, 3.84 Mcps TDD option	3.8.0	3.9.0	R4	
25.102	084		Rel-4	A	RP-14	RP-010778	R4-011584	approved	Downlink power control - performance requirement for constant BLER target, 3.84 Mcps TDD option	4.2.0	4.3.0	R4	
25.102	085		Rel-4	F	RP-14	RP-010793	R4-011551	approved	Tx On/Off Test Requirements for Continuous Transmission	4.2.0	4.3.0	R4	TEI4
25.104	088		R99	F	RP-14	RP-010779	R4-011518	approved	Multi and single carrier for spurious emissions	3.8.0	3.9.0	R4	
25.104	089		Rel-4	A	RP-14	RP-010779	R4-011585	approved	Multi and single carrier for spurious emissions	4.2.0	4.3.0	R4	
25.104	090		Rel-5	A	RP-14	RP-010779	R4-011586	approved	Multi and single carrier for spurious emissions	5.0.0	5.1.0	R4	
25.104	091		R99	F	RP-14	RP-010779	R4-011556	approved	Correction to units in Spectrum emission mask	3.8.0	3.9.0	R4	
25.104	092		Rel-4	A	RP-14	RP-010779	R4-011557	approved	Correction to units in Spectrum emission mask	4.2.0	4.3.0	R4	
25.104	093		Rel-5	A	RP-14	RP-010779	R4-011558	approved	Correction to units in Spectrum emission mask	5.0.0	5.1.0	R4	
25.104	094		R99	F	RP-14	RP-010779	R4-011594	approved	Co location with UTRA TDD	3.8.0	3.9.0	R4	
25.104	095		Rel-5	A	RP-14	RP-010779	R4-011621	approved	Co location with UTRA TDD	5.0.0	5.1.0	R4	
25.104	096		Rel-4	A	RP-14	RP-010779	R4-011620	approved	Co location with UTRA TDD	4.2.0	4.3.0	R4	
25.104	097		R99	F	RP-14	RP-010779	R4-011595	approved	Correction for FCC emission mask and frequency raster for Band B (UMTS1900)	3.8.0	3.9.0	R4	
25.104	098		Rel-4	A	RP-14	RP-010779	R4-011649	approved	Correction for FCC emission mask and	4.2.0	4.3.0	R4	

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									frequency raster for Band B (UMTS1900)				
25.104	099		Rel-5	B	RP-14	RP-010789	R4-011659	approved	Rel 5 frequency band reestructure and essential corrections for band II and III	5.0.0	5.1.0	R4	RInImp-UMTS18
25.105	086		R99	F	RP-14	RP-010780	R4-011449	approved	Table label correction from BLER Required Eb/No to BLER	3.8.0	3.9.0	R4	
25.105	087		Rel-4	A	RP-14	RP-010780	R4-011495	approved	Table label correction from BLER Required Eb/No to BLER	4.2.0	4.3.0	R4	
25.123	123		R99	F	RP-14	RP-010781	R4-011395	approved	Clarification of CPICH measurement accuracy	3.7.0	3.8.0	R4	
25.123	124		Rel-4	A	RP-14	RP-010781	R4-011488	approved	Clarification of CPICH measurement accuracy	4.2.0	4.3.0	R4	
25.123	125		R99	F	RP-14	RP-010781	R4-011446	approved	CELL_FACH test cases for UTRA TDD	3.7.0	3.8.0	R4	
25.123	126		Rel-4	A	RP-14	RP-010781	R4-011489	approved	CELL_FACH test cases for UTRA TDD	4.2.0	4.3.0	R4	
25.123	127		R99	F	RP-14	RP-010781	R4-011447	approved	Correction to test requirement for URA_PCH test cases	3.7.0	3.8.0	R4	
25.123	128		Rel-4	A	RP-14	RP-010781	R4-011490	approved	Correction to test requirement for URA_PCH test cases	4.2.0	4.3.0	R4	
25.123	129		R99	F	RP-14	RP-010781	R4-011468	approved	Correction of RSSI relative accuracy requirements	3.7.0	3.8.0	R4	
25.123	130		Rel-4	A	RP-14	RP-010781	R4-011618	approved	Correction of RSSI relative accuracy requirements	4.2.0	4.3.0	R4	
25.123	131		R99	F	RP-14	RP-010781	R4-011469	approved	Corrections to TDD/TDD inter-frequency test cases in Annex A	3.7.0	3.8.0	R4	
25.123	132		Rel-4	A	RP-14	RP-010781	R4-011493	approved	Corrections to TDD/TDD inter-frequency test cases in Annex A	4.2.0	4.3.0	R4	
25.123	133		R99	F	RP-14	RP-010781	R4-011470	approved	Correction to GSM carrier RSSI	3.7.0	3.8.0	R4	
25.123	134		Rel-4	A	RP-14	RP-010781	R4-011494	approved	Correction to GSM carrier RSSI	4.2.0	4.3.0	R4	
25.123	135		R99	F	RP-14	RP-010781	R4-011491	approved	Requirements for TFC selection at UE maximum power	3.7.0	3.8.0	R4	
25.123	136		Rel-4	A	RP-14	RP-010781	R4-011492	approved	Requirements for TFC selection at UE maximum power	4.2.0	4.3.0	R4	
25.123	137		Rel-4	F	RP-14	RP-010786	R4-011445	approved	TFC selection at the UE maximum power	4.2.0	4.3.0	R4	LCRTDD-RF
25.123	138		Rel-4	F	RP-14	RP-010786	R4-011573	approved	Clarification of CPICH measurement accuracy	4.2.0	4.3.0	R4	LCRTDD-RF
25.123	139		Rel-4	F	RP-14	RP-010786	R4-011574	approved	Correction of Cell-Fach state requirements for 1.28Mcps TDD	4.2.0	4.3.0	R4	LCRTDD-RF
25.123	140		Rel-4	F	RP-14	RP-010786	R4-011575	approved	Clarification of 1.28Mcps TDD/TDD handover	4.2.0	4.3.0	R4	LCRTDD-RF
25.133	187		R99	F	RP-14	RP-010782	R4-011378	approved	S-criteria evaluation in CELL_FACH state	3.7.0	3.8.0	R4	
25.133	188		Rel-4	A	RP-14	RP-010782	R4-011531	approved	S-criteria evaluation in CELL_FACH state	4.2.0	4.3.0	R4	
25.133	189		Rel-5	A	RP-14	RP-010782	R4-011532	approved	S-criteria evaluation in CELL_FACH state	5.0.0	5.1.0	R4	
25.133	190		R99	F	RP-14	RP-010782	R4-011380	approved	Correction of random access requirements and test case	3.7.0	3.8.0	R4	
25.133	191		Rel-4	A	RP-14	RP-010782	R4-011533	approved	Correction of random access requirements and test case	4.2.0	4.3.0	R4	
25.133	192		Rel-5	A	RP-14	RP-010782	R4-011534	approved	Correction of random access requirements and test case	5.0.0	5.1.0	R4	
25.133	193		R99	F	RP-14	RP-010782	R4-011381	approved	Correction of RRC connection re-establishment	3.7.0	3.8.0	R4	

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									test case				
25.133	194		Rel-4	A	RP-14	RP-010782	R4-011535	approved	Correction of RRC connection re-establishment test case	4.2.0	4.3.0	R4	
25.133	195		Rel-5	A	RP-14	RP-010782	R4-011536	approved	Correction of RRC connection re-establishment test case	5.0.0	5.1.0	R4	
25.133	196		R99	F	RP-14	RP-010782	R4-011382	approved	Correction of reference for UTRAN SIRerror measurement	3.7.0	3.8.0	R4	
25.133	197		Rel-4	A	RP-14	RP-010782	R4-011522	approved	Correction of reference for UTRAN SIRerror measurement	4.2.0	4.3.0	R4	
25.133	198		Rel-5	A	RP-14	RP-010782	R4-011523	approved	Correction of reference for UTRAN SIRerror measurement	5.0.0	5.1.0	R4	
25.133	199		R99	F	RP-14	RP-010782	R4-011420	approved	FDD/FDD hard handover test cases	3.7.0	3.8.0	R4	
25.133	200		Rel-4	A	RP-14	RP-010782	R4-011537	approved	FDD/FDD hard handover test cases	4.2.0	4.3.0	R4	
25.133	201		Rel-5	A	RP-14	RP-010782	R4-011538	approved	FDD/FDD hard handover test cases	5.0.0	5.1.0	R4	
25.133	202		R99	F	RP-14	RP-010782	R4-011500	approved	UTRAN GSM reselection	3.7.0	3.8.0	R4	
25.133	203		Rel-4	A	RP-14	RP-010782	R4-011501	approved	UTRAN GSM reselection	4.2.0	4.3.0	R4	
25.133	204		Rel-5	A	RP-14	RP-010782	R4-011502	approved	UTRAN GSM reselection	5.0.0	5.1.0	R4	
25.133	205		R99	F	RP-14	RP-010791	R4-011519	approved	Test conditions for UE Tx power measurement	3.7.0	3.8.0	R4	
25.133	206		Rel-4	A	RP-14	RP-010791	R4-011520	approved	Test conditions for UE Tx power measurement	4.2.0	4.3.0	R4	
25.133	207		Rel-5	A	RP-14	RP-010791	R4-011521	approved	Test conditions for UE Tx power measurement	5.0.0	5.1.0	R4	
25.133	208		R99	F	RP-14	RP-010791	R4-011627	approved	Correction to general requirements for support of compressed mode	3.7.0	3.8.0	R4	
25.133	209		Rel-4	A	RP-14	RP-010791	R4-011628	approved	Correction to general requirements for support of compressed mode	4.2.0	4.3.0	R4	
25.133	210		Rel-5	A	RP-14	RP-010791	R4-011629	approved	Correction to general requirements for support of compressed mode	5.0.0	5.1.0	R4	
25.133	211		R99	F	RP-14	RP-010791	R4-011631	approved	UE Tx Timing rate	3.7.0	3.8.0	R4	
25.133	212		Rel-4	A	RP-14	RP-010791	R4-011632	approved	UE Tx Timing rate	4.2.0	4.3.0	R4	
25.133	213		Rel-5	A	RP-14	RP-010791	R4-011633	approved	UE Tx Timing rate	5.0.0	5.1.0	R4	
25.133	214		R99	F	RP-14	RP-010791	R4-011637	approved	Requirements and test parameters for UE measurements	3.7.0	3.8.0	R4	
25.133	215		Rel-4	A	RP-14	RP-010791	R4-011638	approved	Requirements and test parameters for UE measurements	4.2.0	4.3.0	R4	
25.133	216		Rel-5	A	RP-14	RP-010791	R4-011639	approved	Requirements and test parameters for UE measurements	5.0.0	5.1.0	R4	
25.133	217		R99	F	RP-14	RP-010791	R4-011640	approved	Clarifications on requirements for reporting criteria per measurement category	3.7.0	3.8.0	R4	
25.133	218		Rel-4	A	RP-14	RP-010791	R4-011641	approved	Clarifications on requirements for reporting criteria per measurement category	4.2.0	4.3.0	R4	
25.133	219		Rel-5	A	RP-14	RP-010791	R4-011642	approved	Clarifications on requirements for reporting criteria per measurement category	5.0.0	5.1.0	R4	
25.133	220		R99	F	RP-14	RP-010791	R4-011643	approved	Inconsistent use of "sets of cells" with respect to definition of RRC specs.	3.7.0	3.8.0	R4	
25.133	221		Rel-4	A	RP-14	RP-010791	R4-011644	approved	Inconsistent use of "sets of cells" with respect to	4.2.0	4.3.0	R4	

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									definition of RRC specs.				
25.133	222		Rel-5	A	RP-14	RP-010791	R4-011645	approved	Inconsistent use of "sets of cells" with respect to definition of RRC specs.	5.0.0	5.1.0	R4	
25.133	223		R99	F	RP-14	RP-010792	R4-011646	approved	UE CPICH measurement capability for inter-frequency FDD.	3.7.0	3.8.0	R4	
25.133	224		Rel-4	A	RP-14	RP-010792	R4-011545	approved	UE CPICH measurement capability for inter-frequency FDD.	4.2.0	4.3.0	R4	
25.133	225		Rel-5	A	RP-14	RP-010792	R4-011546	approved	UE CPICH measurement capability for inter-frequency FDD.	5.0.0	5.1.0	R4	
25.133	226		R99	F	RP-14	RP-010792	R4-011647	approved	Definition of identification of a cell and SFN decoding	3.7.0	3.8.0	R4	
25.133	227		Rel-4	A	RP-14	RP-010792	R4-011564	approved	Definition of identification of a cell and SFN decoding	4.2.0	4.3.0	R4	
25.133	228		Rel-5	A	RP-14	RP-010792	R4-011565	approved	Definition of identification of a cell and SFN decoding	5.0.0	5.1.0	R4	
25.133	229		R99	F	RP-14	RP-010792	R4-011653	approved	CELL_FACH measurements for GSM	3.7.0	3.8.0	R4	
25.133	230		Rel-4	A	RP-14	RP-010792	R4-011655	approved	CELL_FACH measurements for GSM	4.2.0	4.3.0	R4	
25.133	231		Rel-5	A	RP-14	RP-010792	R4-011656	approved	CELL_FACH measurements for GSM	5.0.0	5.1.0	R4	
25.133	232		R99	F	RP-14	RP-010792	R4-011654	approved	CELL_DCH measurements for GSM	3.7.0	3.8.0	R4	
25.133	233		Rel-4	A	RP-14	RP-010792	R4-011657	approved	CELL_DCH measurements for GSM	4.2.0	4.3.0	R4	
25.133	234		Rel-5	A	RP-14	RP-010792	R4-011658	approved	CELL_DCH measurements for GSM	5.0.0	5.1.0	R4	
25.133	235		R99	F	RP-14	RP-010792	R4-011401	withdrawn	Correction to the mapping of UE SFN-SFN observed time difference type 2	3.7.0		R4	
25.133	236		R99	F	RP-14	RP-010792	R4-011510	approved	Correction to the mapping of UE and UTRAN GPS Timing of Cell Frames for UE positioning	3.7.0	3.8.0	R4	
25.133	237		Rel-4	F	RP-14	RP-010787	R4-011409	approved	SFN-SFN observed time difference measurement	4.2.0	4.3.0	R4	LCS1-UEpos
25.133	238		Rel-5	A	RP-14	RP-010787	R4-011625	approved	SFN-SFN observed time difference measurement	5.0.0	5.1.0	R4	LCS1-UEpos
25.133	239		Rel-5	B	RP-14	RP-010789	R4-011598	approved	UMTS 1800 band addition to TS 25.133v500	5.0.0	5.1.0	R4	RInImp-UMTS18
25.133	240		Rel-5	B	RP-14	RP-010790	R4-011619	approved	Active set size limitation for dedicated pilot	5.0.0	5.1.0	R4	RANImp-BeamF
25.133	241	-	R99	F	RP-14	RP-010913		approved	Correction to the mapping of UE Rx-Tx time difference type 2	3.7.0	3.8.0	R4	
25.133	242	-	Rel-4	A	RP-14	RP-010913		approved	Correction to the mapping of UE Rx-Tx time difference type 2	4.2.0	4.3.0	R4	
25.133	243	-	Rel-5	A	RP-14	RP-010913		approved	Correction to the mapping of UE Rx-Tx time difference type 2	5.0.0	5.1.0	R4	
25.141	117		R99	F	RP-14	RP-010783	R4-011384	approved	PCDE and TX diversity	3.7.0	3.8.0	R4	
25.141	118		Rel-4	A	RP-14	RP-010783	R4-011554	approved	PCDE and TX diversity	4.2.0	4.3.0	R4	
25.141	119		Rel-5	A	RP-14	RP-010783	R4-011555	approved	PCDE and TX diversity	5.0.0	5.1.0	R4	
25.141	120		R99	F	RP-14	RP-010783	R4-011406	approved	Corrections to Internal BER verification	3.7.0	3.8.0	R4	
25.141	121		Rel-4	A	RP-14	RP-010783	R4-011539	approved	Corrections to Internal BER verification	4.2.0	4.3.0	R4	
25.141	122		Rel-5	A	RP-14	RP-010783	R4-011540	approved	Corrections to Internal BER verification	5.0.0	5.1.0	R4	
25.141	123		R99	F	RP-14	RP-010783	R4-011407	approved	Corrections to Internal BLER verification	3.7.0	3.8.0	R4	

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25.141	124		Rel-4	A	RP-14	RP-010783	R4-011541	approved	Corrections to Internal BLER verification	4.2.0	4.3.0	R4	
25.141	125		Rel-5	A	RP-14	RP-010783	R4-011542	approved	Corrections to Internal BLER verification	5.0.0	5.1.0	R4	
25.141	126		R99	F	RP-14	RP-010783	R4-011474	approved	Clarification of BMT definition for multicarrier test cases	3.7.0	3.8.0	R4	
25.141	127		Rel-4	A	RP-14	RP-010783	R4-011547	approved	Clarification of BMT definition for multicarrier test cases	4.2.0	4.3.0	R4	
25.141	128		Rel-5	A	RP-14	RP-010783	R4-011548	approved	Clarification of BMT definition for multicarrier test cases	5.0.0	5.1.0	R4	
25.141	129		R99	F	RP-14	RP-010783	R4-011475	approved	Correction of the definition of the PICH channel (test models)	3.7.0	3.8.0	R4	
25.141	130		Rel-4	A	RP-14	RP-010783	R4-011549	approved	Correction of the definition of the PICH channel (test models)	4.2.0	4.3.0	R4	
25.141	131		Rel-5	A	RP-14	RP-010783	R4-011550	approved	Correction of the definition of the PICH channel (test models)	5.0.0	5.1.0	R4	
25.141	132		R99	F	RP-14	RP-010783	R4-011559	approved	Correction to units and table references in Spectrum emission mask	3.7.0	3.8.0	R4	
25.141	133		Rel-4	A	RP-14	RP-010783	R4-011560	approved	Correction to units and table references in Spectrum emission mask	4.2.0	4.3.0	R4	
25.141	134		Rel-5	A	RP-14	RP-010783	R4-011561	approved	Correction to units and table references in Spectrum emission mask	5.0.0	5.1.0	R4	
25.141	135		R99	F	RP-14	RP-010783	R4-011590	approved	DPCH and S-CCPCH channel structure change to test models.	3.7.0	3.8.0	R4	
25.141	136		Rel-4	A	RP-14	RP-010783	R4-011623	approved	DPCH and S-CCPCH channel structure change to test models.	4.2.0	4.3.0	R4	
25.141	137		Rel-5	A	RP-14	RP-010783	R4-011624	approved	DPCH and S-CCPCH channel structure change to test models.	5.0.0	5.1.0	R4	
25.142	087		R99	F	RP-14	RP-010784	R4-011448	approved	BS Performance Requirements for 12.2 kbps, 64 kbps, 144 kbps and 384 kbps	3.7.0	3.8.0	R4	
25.142	088		Rel-4	A	RP-14	RP-010784	R4-011587	approved	BS Performance Requirements for 12.2 kbps, 64 kbps, 144 kbps and 384 kbps	4.2.0	4.3.0	R4	
25.201	007	-	R99	F	RP-14	RP-010735	R1-01-1241	approved	Removal of Slow Power Control and ODMA from TS 25.201	3.1.0	3.2.0	R1	TEI
25.201	008	-	Rel-4	A	RP-14	RP-010735	R1-01-1241	approved	Removal of Slow PowerControl and ODMA from TS 25.201	4.0.0	4.1.0	R1	TEI
25.211	115	1	R99	F	RP-14	RP-010736	R1-01-0925	revised	Clarification of the pilot bits on CPCH message part and S-CCPCH	3.8.0		R1	TEI
25.211	115	2	R99	F	RP-14	RP-010904		approved	Clarification of the pilot bits on CPCH message part and S-CCPCH	3.8.0	3.9.0	R1	TEI
25.211	116	1	Rel-4	A	RP-14	RP-010736	R1-01-0925	revised	Clarification of the pilot bits on CPCH message part and S-CCPCH	4.2.0		R1	TEI
25.211	116	2	Rel-4	A	RP-14	RP-010904		approved	Clarification of the pilot bits on CPCH message part and S-CCPCH	4.2.0	4.3.0	R1	TEI
25.211	122	-	R99	F	RP-14	RP-010736	R1-01-1114	approved	Addition of pilot bit patterns table of downlink DPCCH for antenna 2 using closed loop mode 1	3.8.0	3.9.0	R1	TEI

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25.211	123	-	Rel-4	A	RP-14	RP-010736	R1-01-1114	approved	Addition of pilot bit patterns table of downlink DPCCH for antenna 2 using closed loop mode 1	4.2.0	4.3.0	R1	TEI
25.211	124	-	R99	F	RP-14	RP-010736	R1-01-1161	approved	Slot format for the CPCH	3.8.0	3.9.0	R1	TEI
25.211	125	-	Rel-4	A	RP-14	RP-010736	R1-01-1161	approved	Slot format for the CPCH	4.2.0	4.3.0	R1	TEI
25.211	126	1	R99	F	RP-14	RP-010736	R1-01-1247	approved	Clarification of Tx diversity with PDSCH, AP-AICH, CD/CA-ICH and DL-DPCCH associated to CPCH	3.8.0	3.9.0	R1	TEI
25.211	127	1	Rel-4	A	RP-14	RP-010736	R1-01-1247	approved	Clarification of Tx diversity with PDSCH, AP-AICH, CD/CA-ICH and DL-DPCCH associated to CPCH	4.2.0	4.3.0	R1	TEI
25.211	128	1	R99	F	RP-14	RP-010736	R1-01-1248	approved	Interaction between DSCH scheduling and phase reference modification	3.8.0	3.9.0	R1	TEI
25.211	129	1	Rel-4	A	RP-14	RP-010736	R1-01-1248	approved	Interaction between DSCH scheduling and phase reference modification	4.2.0	4.3.0	R1	TEI
25.211	130	-	R99	F	RP-14	RP-010736	R1-01-1164	approved	Support of multiple CCTrChs of dedicated type	3.8.0	3.9.0	R1	TEI
25.211	131	-	Rel-4	A	RP-14	RP-010736	R1-01-1164	approved	Support of multiple CCTrChs of dedicated type	4.2.0	4.3.0	R1	TEI
25.211	132	-	R99	F	RP-14	RP-010736	R1-01-1242	approved	Removal of Slow Power Control from TS 25.211	3.8.0	3.9.0	R1	TEI
25.211	133	-	Rel-4	A	RP-14	RP-010736	R1-01-1242	approved	Removal of Slow Power Control from TS 25.211	4.2.0	4.3.0	R1	TEI
25.211	134	-	R99	F	RP-14	RP-010932		approved	Restriction to simultaneous use of SSDT and closed loop mode TX diversity	3.8.0	3.9.0	R1	TEI
25.211	135	-	Rel-4	A	RP-14	RP-010932		approved	Restriction to simultaneous use of SSDT and closed loop mode TX diversity	4.2.0	4.3.0	R1	TEI
25.212	117	-	R99	F	RP-14	RP-010737	R1-01-1121	approved	Clarification of compressed mode	3.7.0	3.8.0	R1	TEI
25.212	118	-	Rel-4	A	RP-14	RP-010737	R1-01-1121	approved	Clarification of compressed mode	4.2.0	4.3.0	R1	TEI
25.212	121	-	R99	F	RP-14	RP-010737	R1-01-1165	approved	Support of multiple CCTrChs of dedicated type	3.7.0	3.8.0	R1	TEI
25.212	122	-	Rel-4	A	RP-14	RP-010737	R1-01-1165	approved	Support of multiple CCTrChs of dedicated type	4.2.0	4.3.0	R1	TEI
25.213	046	-	R99	F	RP-14	RP-010738	R1-01-1207	approved	Correction of section number reference	3.6.0	3.7.0	R1	TEI
25.213	047	-	Rel-4	A	RP-14	RP-010738	R1-01-1207	approved	Correction of section number reference	4.1.0	4.2.0	R1	TEI
25.214	206	1	R99	F	RP-14	RP-010739	R1-01-1125	approved	Power control in compressed mode when DPC_MODE=1	3.8.0	3.9.0	R1	TEI
25.214	207	1	Rel-4	A	RP-14	RP-010739	R1-01-1125	approved	Power control in compressed mode when DPC_MODE=1	4.2.0	4.3.0	R1	TEI
25.214	208	-	R99	F	RP-14	RP-010739	R1-01-0993	approved	Clarification of closed loop mode 1 and 2 Tx diversity operation during compressed mode	3.8.0	3.9.0	R1	TEI
25.214	209	-	Rel-4	A	RP-14	RP-010739	R1-01-0993	approved	Clarification of closed loop mode 1 and 2 Tx diversity operation during compressed mode	4.2.0	4.3.0	R1	TEI
25.214	210	-	R99	F	RP-14	RP-010739	R1-01-1122	approved	Downlink phase reference reconfiguration	3.8.0	3.9.0	R1	TEI
25.214	211	-	Rel-4	A	RP-14	RP-010739	R1-01-1122	approved	Downlink phase reference reconfiguration	4.2.0	4.3.0	R1	TEI
25.214	215	1	R99	F	RP-14	RP-010775	R1-01-1250	approved	Uplink TPC Command Processing in SHO with SSDT	3.8.0	3.9.0	R1	TEI
25.214	216	-	Rel-4	A	RP-14	RP-010775	R1-01-1250	approved	Uplink TPC Command Processing in SHO with SSDT	4.2.0	4.3.0	R1	TEI
25.214	217	2	Rel-4	F	RP-14	RP-010744	R1-01-1304	approved	DSCH power control clarification	4.2.0	4.3.0	R1	RInImp-DSCHsho
25.214	218	1	R99	F	RP-14	RP-010739	R1-01-1251	approved	Downlink power control for channels supporting	3.8.0	3.9.0	R1	TEI

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									CPCH				
25.214	219	1	Rel-4	A	RP-14	RP-010739	R1-01-1251	approved	Downlink power control for channels supporting CPCH	4.2.0	4.3.0	R1	TEI
25.214	222	-	R99	F	RP-14	RP-010739	R1-01-1245	approved	Removal of Slow Power Control from TS 25.214	3.8.0	3.9.0	R1	TEI
25.214	223	-	Rel-4	A	RP-14	RP-010739	R1-01-1245	approved	Removal of Slow Power Control from TS 25.214	4.2.0	4.3.0	R1	TEI
25.214	228	-	R99	F	RP-14	RP-010933		approved	Restriction to SSDT and closed loop mode transmit diversity combination	3.8.0	3.9.0	R1	TEI
25.214	229	-	Rel-4	A	RP-14	RP-010933		approved	Restriction to SSDT and closed loop mode transmit diversity combination	4.2.0	4.3.0	R1	TEI
25.215	097	-	R99	F	RP-14	RP-010740	R1-01-1124	approved	Clarification of internal measurements	3.8.0	3.9.0	R1	TEI
25.215	098	-	Rel-4	A	RP-14	RP-010740	R1-01-1124	approved	Clarification of internal measurements	4.2.0	4.3.0	R1	TEI
25.215	099	2	Rel-4	F	RP-14	RP-010745	R1-01-1258	approved	UE GPS Code Phase Measurement	4.2.0	4.3.0	R1	TEI4
25.215	100	1	R99	F	RP-14	RP-010740	R1-01-1291	postponed	Correction to the definitions of UE and UTRAN GPS timing of cell frames for UE positioning	3.8.0		R1	TEI
25.215	101	1	Rel-4	A	RP-14	RP-010740	R1-01-1291	postponed	Correction to the definitions of UE and UTRAN GPS timing of cell frames for UE positioning	4.2.0		R1	TEI
25.215	102	-	R99	F	RP-14	RP-010740	R1-01-1169	approved	Clarification of P-CCPCH RSCP in 25.215	3.8.0	3.9.0	R1	TEI
25.215	103	-	Rel-4	A	RP-14	RP-010740	R1-01-1169	approved	Clarification of P-CCPCH RSCP in 25.215	4.2.0	4.3.0	R1	TEI
25.215	104	-	R99	F	RP-14	RP-010740	R1-01-1238	approved	Revised definitions of CPICH Ec/No and UTRA carrier RSSI	3.8.0	3.9.0	R1	TEI
25.215	105	-	Rel-4	A	RP-14	RP-010740	R1-01-1238	approved	Revised definitions of CPICH Ec/No and UTRA carrier RSSI	4.2.0	4.3.0	R1	TEI
25.215	106	1	Rel-4	F	RP-14	RP-010745	R1-01-1294	approved	UTRAN SFN-SFN observed time difference measurement	4.2.0	4.3.0	R1	LCS1-UEpos-enh
25.221	059	-	Rel-4	F	RP-14	RP-010746	R1-01-0807	approved	Bit Scrambling for 1.28 Mcps TDD	4.2.0	4.3.0	R1	LCRTDD-Phys
25.221	064	1	R99	F	RP-14	RP-010741	R1-01-1271	approved	Transmit Diversity for P-CCPCH and PICH	3.8.0	3.9.0	R1	TEI
25.221	065	1	Rel-4	A	RP-14	RP-010741	R1-01-1271	approved	Transmit Diversity for P-CCPCH and PICH	4.2.0	4.3.0	R1	TEI
25.221	066	-	R99	F	RP-14	RP-010741	R1-01-1110	approved	Clarification of midamble transmit power in TS25.221	3.8.0	3.9.0	R1	TEI
25.221	067	-	Rel-4	A	RP-14	RP-010741	R1-01-1110	approved	Clarification of midamble transmit power in TS25.221	4.2.0	4.3.0	R1	TEI
25.221	068	-	Rel-4	F	RP-14	RP-010746	R1-01-1111	approved	Transmit Diversity for P-CCPCH and PICH	4.2.0	4.3.0	R1	LCRTDD-Phys
25.221	069	-	Rel-4	F	RP-14	RP-010746	R1-01-1148	approved	Corrections of reference numbers in TS 25.221	4.2.0	4.3.0	R1	LCRTDD-Phys
25.222	059	-	Rel-4	F	RP-14	RP-010747	R1-01-0807	approved	Bit Scrambling for TDD	4.1.0	4.2.0	R1	LCRTDD-Phys
25.222	061	-	Rel-4	F	RP-14	RP-010747	R1-01-1149	approved	Corrections in clause 4.1 and 4.2 of TS 25.222	4.1.0	4.2.0	R1	LCRTDD-Phys
25.223	023	-	Rel-4	F	RP-14	RP-010748	R1-01-1150	approved	A correction of Figure 7 in subclause 7.7.2 of TS 25.223	4.2.0	4.3.0	R1	LCRTDD-Phys
25.224	065	-	R99	F	RP-14	RP-010742	R1-01-1006	approved	Removal of the remark on power control	3.8.0	3.9.0	R1	TEI
25.224	066	-	Rel-4	A	RP-14	RP-010742	R1-01-1006	approved	Removal of the remark on power control	4.2.0	4.3.0	R1	TEI
25.224	067	1	R99	F	RP-14	RP-010742	R1-01-1272	approved	Transmit Diversity for P-CCPCH and PICH	3.8.0	3.9.0	R1	TEI
25.224	068	1	Rel-4	A	RP-14	RP-010742	R1-01-1272	approved	Transmit Diversity for P-CCPCH and PICH	4.2.0	4.3.0	R1	TEI
25.224	069	1	R99	F	RP-14	RP-010742	R1-01-1157	approved	Correction to Random access procedure (Primitive from MAC)	3.8.0	3.9.0	R1	TEI
25.224	070	1	Rel-4	A	RP-14	RP-010742	R1-01-1157	approved	Correction to Random access procedure	4.2.0	4.3.0	R1	TEI

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
									(Primitive from MAC)				
25.224	073	1	Rel-4	F	RP-14	RP-010749	R1-01-1260	approved	Random access procedure for 1.28Mcps TDD	4.2.0	4.3.0	R1	LCRTDD-Phys
25.224	074	-	Rel-4	F	RP-14	RP-010749	R1-01-1111	approved	Transmit Diversity for P-CCPCH and PICH	4.2.0	4.3.0	R1	LCRTDD-Phys
25.224	075	-	Rel-4	F	RP-14	RP-010749	R1-01-1119	approved	Correction of Annex A.3 in 25.224	4.2.0	4.3.0	R1	LCRTDD-Phys
25.224	076	-	Rel-4	F	RP-14	RP-010749	R1-01-1158	approved	Removal of the remark on power contro	4.2.0	4.3.0	R1	LCRTDD-Phys
25.224	077	-	Rel-4	F	RP-14	RP-010749	R1-01-1168	approved	Corrections to DL-PC sections for 1.28 Mcps TDD	4.2.0	4.3.0	R1	LCRTDD-Phys
25.225	035	1	R99	F	RP-14	RP-010743	R1-01-1273	approved	Removal of references to Block STTD	3.8.0	3.9.0	R1	TEI
25.225	036	1	Rel-4	A	RP-14	RP-010743	R1-01-1273	approved	Removal of references to Block STTD	4.2.0	4.3.0	R1	TEI
25.225	038	1	Rel-4	F	RP-14	RP-010750	R1-01-1259	approved	Introduction of new "UE GPS code phase" measurement	4.2.0	4.3.0	R1	TEI4
25.225	039	-	R99	F	RP-14	RP-010743	R1-01-1080	approved	Correction of measurement definition for UTRA Carrier RSSI and CPICH_Ec/No	3.8.0	3.9.0	R1	TEI
25.225	040	-	Rel-4	A	RP-14	RP-010743	R1-01-1080	approved	Correction of measurement definition for UTRA Carrier RSSI and CPICH_Ec/No	4.2.0	4.3.0	R1	TEI
25.225	042	-	Rel-4	F	RP-14	RP-010750	R1-01-1151	approved	Corrections in annex A.2 in TS 25.225	4.2.0	4.3.0	R1	LCRTDD-Phys
25.301	057		R99	F	RP-14	RP-010753	R2-012515	approved	Removal of Tr mode DCCH from R99 only	3.8.0	3.9.0	R2	TEI
25.301	058		R99	F	RP-14	RP-010753	R2-012535	approved	Clean up of RLC function	3.8.0	3.9.0	R2	TEI
25.301	059		Rel-4	A	RP-14	RP-010753	R2-012635	approved	Clean up of RLC function	4.1.0	4.2.0	R2	TEI
25.301	060		R99	F	RP-14	RP-010753	R2-012567	approved	Correction on transport channel numbering	3.8.0	3.9.0	R2	TEI
25.301	061		Rel-4	A	RP-14	RP-010753	R2-012636	approved	Correction on transport channel numbering	4.1.0	4.2.0	R2	TEI
25.302	115		R99	F	RP-14	RP-010754	R2-012472	approved	Correction of control primitive parameter (CPHY-Out-of-Sync-Config)	3.10.0	3.11.0	R2	TEI
25.302	116		Rel-4	A	RP-14	RP-010754	R2-012637	approved	Correction of control primitive parameter (CPHY-Out-of-Sync-Config)	4.2.0	4.3.0	R2	TEI
25.302	117		Rel-4	F	RP-14	RP-010769	R2-012490	approved	UTRAN SFN-SFN observed time difference measurement	4.2.0	4.3.0	R2	TEI4
25.303	058		R99	F	RP-14	RP-010755	R2-012473	approved	Correction to RNTI in cell-update and URA-update procedures	3.9.0	3.10.0	R2	TEI
25.303	059		Rel-4	A	RP-14	RP-010755	R2-012638	approved	Correction to RNTI in cell-update and URA-update procedures	4.2.0	4.3.0	R2	TEI
25.303	060		R99	F	RP-14	RP-010755	R2-012485	approved	HFN transfer between network nodes in SRNS relocation	3.9.0	3.10.0	R2	TEI
25.303	061		Rel-4	A	RP-14	RP-010755	R2-012639	approved	HFN transfer between network nodes in SRNS relocation	4.2.0	4.3.0	R2	TEI
25.303	062		R99	F	RP-14	RP-010755	R2-012516	approved	Removal of Tr mode DCCH from R99 only	3.9.0	3.10.0	R2	TEI
25.304	091		R99	F	RP-14	RP-010756	R2-012517	approved	Correction on DRX cycle length in connected mode	3.8.0	3.9.0	R2	TEI
25.304	092		Rel-4	A	RP-14	RP-010756	R2-012640	approved	Correction on DRX cycle length in connected mode	4.2.0	4.3.0	R2	TEI
25.304	093	1	R99	F	RP-14	RP-010756	R2-012740	approved	Correction to definition of 'available' PLMN	3.8.0	3.9.0	R2	TEI
25.304	094		Rel-4	A	RP-14	RP-010756	R2-012641	approved	Correction to definition of 'available' PLMN	4.2.0	4.3.0	R2	TEI
25.305	061		Rel-4	F	RP-14	RP-010770	R2-012474	approved	Correction of RTD usage in TDD	4.1.0	4.2.0	R2	LCS1-UEpos-enh
25.305	062		Rel-5	A	RP-14	RP-010770	R2-012761	approved	Correction of RTD usage in TDD	5.2.0	5.3.0	R2	LCS1-UEpos-enh

Spec	CR	Rev	Phase	Cat	Meeting	Plenary doc	WG doc	TSG status	Subject	CR to version	Resulting version	WG	Workitem
25.305	063		R99	F	RP-14	RP-010757	R2-012557	approved	Correction of broadcast of assistance data	3.6.0	3.7.0	R2	TEI
25.305	064		Rel-4	A	RP-14	RP-010757	R2-012642	approved	Correction of broadcast of assistance data	4.1.0	4.2.0	R2	TEI
25.305	065		Rel-5	A	RP-14	RP-010757	R2-012643	approved	Correction of broadcast of assistance data	5.2.0	5.3.0	R2	TEI
25.305	070	1	R99	F	RP-14	RP-010757	R2-012743	approved	Migration of Descriptive Text from TS 25.331	3.6.0	3.7.0	R2	TEI
25.305	071		Rel-4	A	RP-14	RP-010757	R2-012744	approved	Migration of Descriptive Text from TS 25.331	4.1.0	4.2.0	R2	TEI
25.305	072		Rel-5	A	RP-14	RP-010757	R2-012745	approved	Migration of Descriptive Text from TS 25.331	5.2.0	5.3.0	R2	TEI
25.306	025		R99	F	RP-14	RP-010758	R2-012624	approved	Correction on UL parameter "Maximum number of DPDCH bits per 10 ms"	3.3.0	3.4.0	R2	TEI
25.306	026		Rel-4	A	RP-14	RP-010758	R2-012644	approved	Correction on UL parameter "Maximum number of DPDCH bits per 10 ms"	4.2.0	4.3.0	R2	TEI
25.307	002		R99	F	RP-14	RP-010759	R2-012620	approved	Inclusion of release independent RF related information	3.0.0	3.1.0	R2	RInImp19, RInImp18
25.307	003		Rel-4	A	RP-14	RP-010759	R2-012621	approved	Inclusion of release independent RF related information	4.0.0	4.1.0	R2	RInImp19, RInImp18
25.308	001		Rel-5	F	RP-14	RP-010774	R2-012753	approved	Update on HSDPA	5.0.0	5.1.0	R2	HSDPA
25.321	090	2	R99	F	RP-14	RP-010760	R2-012576	approved	Cautionary Note for Interfrequency Measurements in Cell-FACH	3.9.0	3.10.0	R2	TEI
25.321	091	1	Rel-4	A	RP-14	RP-010760	R2-012577	approved	Cautionary Note for Interfrequency Measurements in Cell-FACH	4.2.0	4.3.0	R2	TEI
25.321	094		R99	F	RP-14	RP-010760	R2-012480	approved	Correction on Control of RACH Transmissions	3.9.0	3.10.0	R2	TEI
25.321	095		Rel-4	A	RP-14	RP-010760	R2-012645	approved	Correction on Control of RACH Transmissions	4.2.0	4.3.0	R2	TEI
25.321	096	1	R99	F	RP-14	RP-010760	R2-012646	approved	Correction on Traffic Volume Control	3.9.0	3.10.0	R2	TEI
25.321	097		Rel-4	A	RP-14	RP-010760	R2-012647	approved	Correction on Traffic Volume Control	4.2.0	4.3.0	R2	TEI
25.321	098		R99	F	RP-14	RP-010760	R2-012509	approved	General correction on Access Service Class selection	3.9.0	3.10.0	R2	TEI
25.321	099		Rel-4	A	RP-14	RP-010760	R2-012648	approved	General correction on Access Service Class selection	4.2.0	4.3.0	R2	TEI
25.321	100		R99	F	RP-14	RP-010760	R2-012664	approved	TFC selection in compressed mode	3.9.0	3.10.0	R2	TEI
25.321	101		Rel-4	A	RP-14	RP-010760	R2-012757	approved	TFC selection in compressed mode	4.2.0	4.3.0	R2	TEI
25.322	151	1	R99	F	RP-14	RP-010761	R2-012649	approved	General clarifications	3.8.0	3.9.0	R2	TEI
25.322	152		Rel-4	A	RP-14	RP-010761	R2-012650	approved	General clarifications	4.2.0	4.3.0	R2	TEI
25.322	155	1	R99	F	RP-14	RP-010761	R2-012651	approved	Send state variable for Timer_Poll and window based polling	3.8.0	3.9.0	R2	TEI
25.322	156		Rel-4	A	RP-14	RP-010761	R2-012652	approved	Send state variable for Timer_Poll and window based polling	4.2.0	4.3.0	R2	TEI
25.322	157	1	R99	F	RP-14	RP-010761	R2-012653	approved	Unexpected data interruption during transmission scheduling	3.8.0	3.9.0	R2	TEI
25.322	158		Rel-4	A	RP-14	RP-010761	R2-012766	approved	Unexpected data interruption during transmission scheduling	4.2.0	4.3.0	R2	TEI
25.322	159	1	R99	F	RP-14	RP-010761	R2-012654	approved	Content of retransmitted RESET ACK PDU	3.8.0	3.9.0	R2	TEI
25.322	160		Rel-4	F	RP-14	RP-010771	R2-012655	approved	Content of retransmitted RESET ACK PDU	4.2.0	4.3.0	R2	TEI4
25.322	161	1	R99	F	RP-14	RP-010761	R2-012738	approved	UE-ID Type Indicator	3.8.0	3.9.0	R2	TEI
25.322	162		Rel-4	A	RP-14	RP-010761	R2-012758	approved	UE-ID Type Indicator	4.2.0	4.3.0	R2	TEI
25.322	163	1	R99	F	RP-14	RP-010761	R2-012656	approved	Removal of obsolete Send MRW option	3.8.0	3.9.0	R2	TEI

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25.322	164		Rel-4	A	RP-14	RP-010761	R2-012767	approved	Removal of obsolete Send MRW option	4.2.0	4.3.0	R2	TEI
25.322	166		Rel-4	F	RP-14	RP-010771	R2-012625	approved	Usage of UM RLC Special Length Indicator	4.2.0	4.3.0	R2	TEI4
25.322	167		R99	F	RP-14	RP-010761	R2-012518	approved	Removal of Tr mode DCCH from R99 only	3.8.0	3.9.0	R2	TEI
25.322	170		Rel-4	F	RP-14	RP-010771	R2-012628	approved	Indication of SDU transmission result	4.2.0	4.3.0	R2	TEI4
25.323	037	1	R99	F	RP-14	RP-010762	R2-012658	approved	General PDCP corrections	3.6.0	3.7.0	R2	TEI
25.323	038		Rel-4	A	RP-14	RP-010762	R2-012659	approved	General PDCP corrections	4.2.0	4.3.0	R2	TEI
25.323	039		Rel-4	F	RP-14	RP-010772	R2-012629	approved	Management of Full Header transmission	4.2.0	4.3.0	R2	TEI4
25.331	1087	1	R99	F	RP-14	RP-010763	R2-012669	approved	Corrections to RRC information containers	3.8.0	3.9.0	R2	TEI
25.331	1088		Rel-4	A	RP-14	RP-010763	R2-012751	approved	Corrections to RRC information containers	4.2.1	4.3.0	R2	TEI
25.331	1089		R99	F	RP-14	RP-010763	R2-012470	approved	Removal of Block SSTD	3.8.0	3.9.0	R2	TEI
25.331	1090		Rel-4	A	RP-14	RP-010763	R2-012670	approved	Removal of Block SSTD	4.2.1	4.3.0	R2	TEI
25.331	1096		Rel-4	F	RP-14	RP-010773	R2-012626	approved	Usage of UM RLC Special Length Indicator	4.2.1	4.3.0	R2	TEI4
25.331	1097		R99	F	RP-14	RP-010763	R2-012486	approved	COUNT-C-SFN frame difference measurement	3.8.0	3.9.0	R2	TEI
25.331	1098		Rel-4	A	RP-14	RP-010763	R2-012671	approved	COUNT-C-SFN frame difference measurement	4.2.1	4.3.0	R2	TEI
25.331	1099	1	R99	F	RP-14	RP-010763	R2-012672	approved	Trigger for deletion of ciphering and integrity keys	3.8.0	3.9.0	R2	TEI
25.331	1100		Rel-4	A	RP-14	RP-010763	R2-012673	approved	Trigger for deletion of ciphering and integrity keys	4.2.1	4.3.0	R2	TEI
25.331	1101	1	R99	F	RP-14	RP-010763	R2-012715	approved	Correction to P_compensation calculation for GSM neighbour cells	3.8.0	3.9.0	R2	TEI
25.331	1102		Rel-4	A	RP-14	RP-010763	R2-012746	approved	Correction to P_compensation calculation for GSM neighbour cells	4.2.1	4.3.0	R2	TEI
25.331	1103		R99	F	RP-14	RP-010763	R2-012489	approved	Preconfigurations in case of equivalent PLMNs	3.8.0	3.9.0	R2	TEI
25.331	1104		Rel-4	A	RP-14	RP-010763	R2-012677	approved	Preconfigurations in case of equivalent PLMNs	4.2.1	4.3.0	R2	TEI
25.331	1108	1	R99	F	RP-14	RP-010763	R2-012678	approved	Handling of DRX cycle and U-RNTI in RRC connection setup and handling of TrCH information	3.8.0	3.9.0	R2	TEI
25.331	1109		Rel-4	A	RP-14	RP-010763	R2-012747	approved	Handling of DRX cycle and U-RNTI in RRC connection setup and handling of TrCH information	4.2.1	4.3.0	R2	TEI
25.331	1110	1	R99	F	RP-14	RP-010763	R2-012679	approved	Correction to Information Element names	3.8.0	3.9.0	R2	TEI
25.331	1111		Rel-4	A	RP-14	RP-010763	R2-012680	approved	Correction to Information Element names	4.2.1	4.3.0	R2	TEI
25.331	1112		R99	F	RP-14	RP-010763	R2-012496	approved	Correction of Description of IE "SSDT Information"	3.8.0	3.9.0	R2	TEI
25.331	1113		Rel-4	A	RP-14	RP-010763	R2-012681	approved	Correction of Description of IE "SSDT Information"	4.2.1	4.3.0	R2	TEI
25.331	1114	2	R99	F	RP-14	RP-010763	R2-012734	approved	Clarification on Cell Identity and correction to reference to BAND_INDICATOR	3.8.0	3.9.0	R2	TEI
25.331	1115		Rel-4	A	RP-14	RP-010763	R2-012735	approved	Clarification on Cell Identity and correction to reference to BAND_INDICATOR	4.2.1	4.3.0	R2	TEI
25.331	1116		R99	F	RP-14	RP-010764	R2-012498	approved	Clarification to Measured Results on RACH and Measurement Events	3.8.0	3.9.0	R2	TEI
25.331	1117		Rel-4	A	RP-14	RP-010764	R2-012682	approved	Clarification to Measured Results on RACH and Measurement Events	4.2.1	4.3.0	R2	TEI

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25.331	1118		R99	F	RP-14	RP-010764	R2-012499	approved	Inconsistency between ASN.1 and tabular wrt. RPLMN information	3.8.0	3.9.0	R2	TEI
25.331	1119		Rel-4	A	RP-14	RP-010764	R2-012683	approved	Inconsistency between ASN.1 and tabular wrt. RPLMN information	4.2.1	4.3.0	R2	TEI
25.331	1120		Rel-4	F	RP-14	RP-010773	R2-012500	approved	Corrections to REL-4 LCR Tabular Description and ASN1 Code	4.2.1	4.3.0	R2	LCRTDD-L23
25.331	1123	1	R99	F	RP-14	RP-010764	R2-012684	approved	General clarification on Establishment of Access Service Classes	3.8.0	3.9.0	R2	TEI
25.331	1124		Rel-4	A	RP-14	RP-010764	R2-012685	approved	General clarification on Establishment of Access Service Classes	4.2.1	4.3.0	R2	TEI
25.331	1125		R99	F	RP-14	RP-010764	R2-012511	approved	Clarification on TX diversity indicator IE and STTD indicator IE	3.8.0	3.9.0	R2	TEI
25.331	1126		Rel-4	A	RP-14	RP-010764	R2-012686	approved	Clarification on TX diversity indicator IE and STTD indicator IE	4.2.1	4.3.0	R2	TEI
25.331	1130		R99	F	RP-14	RP-010764	R2-012519	approved	Removal of Tr mode DCCH from R99 only	3.8.0	3.9.0	R2	TEI
25.331	1131	1	R99	F	RP-14	RP-010764	R2-012687	approved	Different diversity modes used in the same active set	3.8.0	3.9.0	R2	TEI
25.331	1132		Rel-4	A	RP-14	RP-010764	R2-012687	approved	Different diversity modes used in the same active set	4.2.1	4.3.0	R2	TEI
25.331	1133	1	R99	F	RP-14	RP-010764	R2-012691	approved	Issues regarding signalling connection establishment and RRC connection release	3.8.0	3.9.0	R2	TEI
25.331	1134		Rel-4	A	RP-14	RP-010764	R2-012692	approved	Issues regarding signalling connection establishment and RRC connection release	4.2.1	4.3.0	R2	TEI
25.331	1135		R99	F	RP-14	RP-010764	R2-012522	approved	Presence of AC to ASC mapping in SIB5 and SIB6	3.8.0	3.9.0	R2	TEI
25.331	1136		Rel-4	A	RP-14	RP-010764	R2-012693	approved	Presence of AC to ASC mapping in SIB5 and SIB6	4.2.1	4.3.0	R2	TEI
25.331	1137		R99	F	RP-14	RP-010764	R2-012523	approved	RRC establishment cause at inter-RAT cell change order to UTRAN	3.8.0	3.9.0	R2	TEI
25.331	1138		Rel-4	A	RP-14	RP-010764	R2-012694	approved	RRC establishment cause at inter-RAT cell change order to UTRAN	4.2.1	4.3.0	R2	TEI
25.331	1141		R99	F	RP-14	RP-010764	R2-012525	approved	Start of timers at radio link failure	3.8.0	3.9.0	R2	TEI
25.331	1142		Rel-4	A	RP-14	RP-010764	R2-012696	approved	Start of timers at radio link failure	4.2.1	4.3.0	R2	TEI
25.331	1143	1	R99	F	RP-14	RP-010765	R2-012697	approved	Handling of the number of FBI bits sent in Uplink DPCH info	3.8.0	3.9.0	R2	TEI
25.331	1144		Rel-4	A	RP-14	RP-010765	R2-012698	approved	Handling of the number of FBI bits sent in Uplink DPCH info	4.2.1	4.3.0	R2	TEI
25.331	1145		R99	F	RP-14	RP-010765	R2-012527	approved	Bit string order when using PER	3.8.0	3.9.0	R2	TEI
25.331	1146		Rel-4	A	RP-14	RP-010765	R2-012699	approved	Bit string order when using PER	4.2.1	4.3.0	R2	TEI
25.331	1147		R99	F	RP-14	RP-010765	R2-012528	approved	Clarification on DRX cycle length in connected mode	3.8.0	3.9.0	R2	TEI
25.331	1148		Rel-4	A	RP-14	RP-010765	R2-012701	approved	Clarification on DRX cycle length in connected mode	4.2.1	4.3.0	R2	TEI
25.331	1151	1	R99	F	RP-14	RP-010765	R2-012703	approved	Correction to error condition on downlink	3.8.0	3.9.0	R2	TEI

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									information for each radio link				
25.331	1152		Rel-4	A	RP-14	RP-010765	R2-012748	approved	Correction to error condition on downlink information for each radio link	4.2.1	4.3.0	R2	TEI
25.331	1153	1	R99	F	RP-14	RP-010765	R2-012706	approved	Correction of inconsistencies between tabular and ASN.1	3.8.0	3.9.0	R2	TEI
25.331	1154		Rel-4	A	RP-14	RP-010765	R2-012707	approved	Correction of inconsistencies between tabular and ASN.1	4.2.1	4.3.0	R2	TEI
25.331	1155	1	R99	F	RP-14	RP-010765	R2-012708	approved	Measurement related corrections	3.8.0	3.9.0	R2	TEI
25.331	1156		Rel-4	A	RP-14	RP-010765	R2-012710	approved	Measurement related corrections	4.2.1	4.3.0	R2	TEI
25.331	1157		R99	F	RP-14	RP-010765	R2-012533	approved	Inconsistency between hard-coded preconfigurations parameters and procedure text	3.8.0	3.9.0	R2	TEI
25.331	1158		Rel-4	A	RP-14	RP-010765	R2-012711	approved	Inconsistency between hard-coded preconfigurations parameters and procedure text	4.2.1	4.3.0	R2	TEI
25.331	1165		R99	F	RP-14	RP-010765	R2-012548	approved	PLMN search in CELL_PCH/URA_PCH states with 80ms DRX cycle	3.8.0	3.9.0	R2	TEI
25.331	1166		Rel-4	A	RP-14	RP-010765	R2-012712	approved	PLMN search in CELL_PCH/URA_PCH states with 80ms DRX cycle	4.2.1	4.3.0	R2	TEI
25.331	1167		R99	F	RP-14	RP-010765	R2-012549	approved	Correction to CFN calculation for FDD	3.8.0	3.9.0	R2	TEI
25.331	1168		Rel-4	A	RP-14	RP-010765	R2-012713	approved	Correction to CFN calculation for FDD	4.2.1	4.3.0	R2	TEI
25.331	1169		R99	F	RP-14	RP-010765	R2-012550	approved	Correction to radio bearer control	3.8.0	3.9.0	R2	TEI
25.331	1170		Rel-4	A	RP-14	RP-010765	R2-012714	approved	Correction to radio bearer control	4.2.1	4.3.0	R2	TEI
25.331	1171	1	R99	F	RP-14	RP-010766	R2-012716	approved	Handling of IE "frequency info"	3.8.0	3.9.0	R2	TEI
25.331	1172		Rel-4	A	RP-14	RP-010766	R2-012759	approved	Handling of IE "frequency info"	4.2.1	4.3.0	R2	TEI
25.331	1173	1	R99	F	RP-14	RP-010766	R2-012717	approved	Correction to Radio Bearer Release	3.8.0	3.9.0	R2	TEI
25.331	1174		Rel-4	A	RP-14	RP-010766	R2-012718	approved	Correction to Radio Bearer Release	4.2.1	4.3.0	R2	TEI
25.331	1177	1	R99	F	RP-14	RP-010766	R2-012719	revised	Correction to RACH reporting	3.8.0		R2	TEI
25.331	1177	2	R99	F	RP-14	RP-010939		revised	Correction to RACH reporting	3.8.0		R2	TEI
25.331	1177	3	R99	F	RP-14	RP-010940		approved	Correction to RACH reporting	3.8.0	3.9.0	R2	TEI
25.331	1178		Rel-4	A	RP-14	RP-010766	R2-012760	revised	Correction to RACH reporting	4.2.1		R2	TEI
25.331	1178	1	Rel-4	A	RP-14	RP-010940		approved	Correction to RACH reporting	4.2.1	4.3.0	R2	TEI
25.331	1179		R99	F	RP-14	RP-010766	R2-012555	approved	Correction to URA/Cell update and other minor corrections	3.8.0	3.9.0	R2	TEI
25.331	1180		Rel-4	A	RP-14	RP-010766	R2-012720	approved	Correction to URA/Cell update and other minor corrections	4.2.1	4.3.0	R2	TEI
25.331	1181	1	R99	F	RP-14	RP-010766	R2-012721	approved	Correction to Active Set Update	3.8.0	3.9.0	R2	TEI
25.331	1182		Rel-4	A	RP-14	RP-010766	R2-012722	approved	Correction to Active Set Update	4.2.1	4.3.0	R2	TEI
25.331	1183	1	R99	F	RP-14	RP-010766	R2-012558	approved	Correction of Traffic Volume Measurement Criteria	3.8.0	3.9.0	R2	TEI
25.331	1184		Rel-4	A	RP-14	RP-010766	R2-012728	approved	Correction of Traffic Volume Measurement Criteria	4.2.1	4.3.0	R2	TEI
25.331	1185	3	R99	F	RP-14	RP-010766	R2-012755	revised	Correction of UE Positioning	3.8.0		R2	TEI
25.331	1185	4	R99	F	RP-14	RP-010941		approved	Correction of UE positioning	3.8.0	3.9.0	R2	TEI

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25.331	1186		Rel-4	A	RP-14	RP-010766	R2-012756	revised	Correction of UE Positioning	4.2.1		R2	TEI
25.331	1186	1	Rel-4	A	RP-14	RP-010941		approved	Correction of UE positioning	4.2.1	4.3.0	R2	TEI
25.331	1199		Rel-4	F	RP-14	RP-010773	R2-012568	approved	Correction of FPACH parameter definition for 1.28Mcps TDD	4.2.1	4.3.0	R2	LCRTDD-L23
25.331	1200		Rel-4	F	RP-14	RP-010773	R2-012569	approved	Correction of 1.28Mcps TDD	4.2.1	4.3.0	R2	LCRTDD-L23
25.331	1201		Rel-4	F	RP-14	RP-010773	R2-012572	approved	Correction and Clarification to Open Loop Power Control in 1.28 Mcps TDD	4.2.1	4.3.0	R2	LCRTDD-L23
25.331	1202	1	R99	F	RP-14	RP-010766	R2-012730	approved	Invalid RRC CONNECTION REJECT	3.8.0	3.9.0	R2	TEI
25.331	1203		Rel-4	A	RP-14	RP-010766	R2-012731	approved	Invalid RRC CONNECTION REJECT	4.2.1	4.3.0	R2	TEI
25.331	1206		Rel-4	F	RP-14	RP-010773	R2-012630	approved	Extensions of IE value ranges in tabular	4.2.1	4.3.0	R2	TEI4
25.331	1213	1	R99	F	RP-14	RP-010766	R2-012752	approved	Security baseline for corrections	3.8.0	3.9.0	R2	TEI
25.331	1214		Rel-4	A	RP-14	RP-010766	R2-012770	approved	Security baseline for corrections	4.2.1	4.3.0	R2	TEI
25.331	1219		R99	F	RP-14	RP-010766	R2-012750	approved	Pending integrity protection activation time for UL RB0	3.8.0	3.9.0	R2	TEI
25.331	1220		Rel-4	A	RP-14	RP-010766	R2-012769	approved	Pending integrity protection activation time for UL RB0	4.2.1	4.3.0	R2	TEI
25.331	1221		R99	F	RP-14	RP-010767	R2-012754	approved	Correction of rate matching restriction function	3.8.0	3.9.0	R2	TEI
25.331	1222		Rel-4	A	RP-14	RP-010767	R2-012768	approved	Correction of rate matching restriction function	4.2.1	4.3.0	R2	TEI
25.402	028		Rel-4	F	RP-14	RP-010869	R3-013164	approved	Text amendments for TDD Node B synchronisation	4.2.0	4.3.0	R3	RANimp-Nbsync
25.402	029	2	R99	F	RP-14	RP-010846	R3-013699	approved	CFN Calculation for UE	3.7.0	3.8.0	R3	TEI
25.402	030	2	Rel-4	A	RP-14	RP-010846	R3-013700	approved	CFN Calculation for UE	4.2.0	4.3.0	R3	TEI
25.410	023	1	R99	F	RP-14	RP-010847	R3-013526	approved	SS7 point codes over Iu-cs	3.5.0	3.6.0	R3	TEI
25.410	024		Rel-4	A	RP-14	RP-010847	R3-013092	approved	SS7 point codes over Iu-cs	4.2.0	4.3.0	R3	TEI
25.410	025	1	R99	F	RP-14	RP-010847	R3-013509	approved	Iu-BC Connectivity CRx on TS 25.410 v3.5.0	3.5.0	3.6.0	R3	TEI
25.410	026	1	Rel-4	A	RP-14	RP-010847	R3-013510	approved	Iu-BC Connectivity	4.2.0	4.3.0	R3	TEI
25.410	027		R99	F	RP-14	RP-010847	R3-013228	approved	SCCP Connection Release Initiated by RNC in Abnormal case	3.5.0	3.6.0	R3	TEI
25.410	028		Rel-4	A	RP-14	RP-010847	R3-013229	approved	SCCP Connection Release Initiated by RNC in Abnormal case	4.2.0	4.3.0	R3	TEI
25.410	029		Rel-4	F	RP-14	RP-010870	R3-013285	approved	Confusing use of “per CN Domain”	4.2.0	4.3.0	R3	TEI
25.410	030	1	R99	F	RP-14	RP-010847	R3-013618	approved	Addition of "Specification Notations" Section	3.5.0	3.6.0	R3	TEI
25.410	031	1	Rel-4	A	RP-14	RP-010847	R3-013619	approved	Addition of "Specification Notations" Section	4.2.0	4.3.0	R3	TEI
25.413	360		R99	F	RP-14	RP-010848	R3-013085	approved	CR on Traffic Handling Priority range	3.7.0	3.8.0	R3	TEI
25.413	361	2	Rel-4	A	RP-14	RP-010848	R3-013086	revised	CR on Traffic Handling Priority range	4.2.0		R3	TEI
25.413	361	3	Rel-4	A	RP-14	RP-010895	R3-013722	approved	CR on Priority range	4.2.0	4.3.0	R3	TEI
25.413	363	1	Rel-4	B	RP-14	RP-010871	R3-013525	approved	Cause value for not accepted relocation request	4.2.0	4.3.0	R3	TEI
25.413	364		R99	F	RP-14	RP-010848	R3-013103	approved	Bitstrings ordering	3.7.0	3.8.0	R3	TEI
25.413	365		Rel-4	A	RP-14	RP-010848	R3-013104	approved	Bitstrings ordering	4.2.0	4.3.0	R3	TEI
25.413	367	1	Rel-4	F	RP-14	RP-010871	R3-013522	approved	Correction to Release 4 additions in Iu to support new positioning methods	4.2.0	4.3.0	R3	TEI
25.413	368	2	R99	F	RP-14	RP-010848	R3-013611	approved	UP Versions not supported	3.7.0	3.8.0	R3	TEI
25.413	369	2	Rel-4	A	RP-14	RP-010848	R3-013612	approved	UP Versions not supported	4.2.0	4.3.0	R3	TEI

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25.413	370	1	R99	F	RP-14	RP-010848	R3-013517	approved	Location Report Area	3.7.0	3.8.0	R3	TEI
25.413	371	1	Rel-4	A	RP-14	RP-010848	R3-013518	approved	Location Report Area	4.2.0	4.3.0	R3	TEI
25.413	372		Rel-4	F	RP-14	RP-010871	R3-013119	approved	Chapter A.2.1 (EXAMPLE MESSAGE Layout) missing in version 4.2.0	4.2.0	4.3.0	R3	TEI
25.413	373	1	Rel-4	F	RP-14	RP-010871	R3-013401	approved	N-to-M relation between CN and UTRAN impacts on CN initiated Reset Resource procedure	4.2.0	4.3.0	R3	TEI
25.413	374		Rel-4	B	RP-14	RP-010871	R3-013123	approved	Stop Direct Report	4.2.0	4.3.0	R3	TEI
25.413	377	1	R99	F	RP-14	RP-010848	R3-013558	approved	Reason for LOCATION REPORT message is not clear	3.7.0	3.8.0	R3	TEI
25.413	378	1	Rel-4	A	RP-14	RP-010848	R3-013559	approved	Reason for LOCATION REPORT message is not clear	4.2.0	4.3.0	R3	TEI
25.413	379	1	R99	F	RP-14	RP-010848	R3-013622	approved	Corrections to RRC information containers	3.7.0	3.8.0	R3	TEI
25.413	380	1	Rel-4	A	RP-14	RP-010848	R3-013623	approved	Corrections to RRC information containers	4.2.0	4.3.0	R3	TEI
25.413	382		R99	F	RP-14	RP-010848	R3-013292	approved	Procedure Code Criticality in Error Indication	3.7.0	3.8.0	R3	TEI
25.413	383		Rel-4	A	RP-14	RP-010848	R3-013293	approved	Procedure Code Criticality in Error Indication	4.2.0	4.3.0	R3	TEI
25.413	384	1	Rel-4	F	RP-14	RP-010871	R3-013563	approved	MCC implementation CR for corrections to Release 4 additions in Iu to support new positioning methods.	4.2.0	4.3.0	R3	TEI
25.413	385	2	R99	F	RP-14	RP-010848	R3-013654	approved	Addition of amendment to clarify the PER encoding of bitstrings	3.7.0	3.8.0	R3	TEI
25.413	386	2	Rel-4	A	RP-14	RP-010848	R3-013655	approved	Addition of amendment to clarify the PER encoding of bitstrings	4.2.0	4.3.0	R3	TEI
25.413	387	2	R99	F	RP-14	RP-010848	R3-013613	approved	Chosen Integrity Protection Algorithm IE over MAP/E interface	3.7.0	3.8.0	R3	TEI
25.413	388	2	Rel-4	A	RP-14	RP-010848	R3-013614	approved	Chosen Integrity Protection Algorithm IE over MAP/E interface	4.2.0	4.3.0	R3	TEI
25.413	389		R99	F	RP-14	RP-010848	R3-013105	approved	Rapporteurs corrections in RANAP (MCC/MNC)	3.7.0	3.8.0	R3	TEI
25.413	390		Rel-4	A	RP-14	RP-010848	R3-013106	approved	Rapporteurs corrections in RANAP (MCC/MNC)	4.2.0	4.3.0	R3	TEI
25.413	393	1	R99	F	RP-14	RP-010849	R3-013560	approved	Clarification on Location Request not fulfilled	3.7.0	3.8.0	R3	TEI
25.413	394	1	Rel-4	A	RP-14	RP-010849	R3-013561	approved	Clarification on Location Request not fulfilled	4.2.0	4.3.0	R3	TEI
25.413	395	1	R99	F	RP-14	RP-010849	R3-013620	approved	Subflow SDU size clarification	3.7.0	3.8.0	R3	TEI
25.413	396	1	Rel-4	A	RP-14	RP-010849	R3-013621	approved	Subflow SDU Size clarification	4.2.0	4.3.0	R3	TEI
25.413	397	1	Rel-4	F	RP-14	RP-010871	R3-013564	approved	Correction to LCS Vertical Accurancy	4.2.0	4.3.0	R3	TEI
25.413	399		R99	F	RP-14	RP-010849	R3-013634	approved	Correction the Clause 10 Error Handling	3.7.0	3.8.0	R3	TEI
25.413	400		Rel-4	A	RP-14	RP-010849	R3-013635	approved	Correction the Clause 10 Error Handling	4.2.0	4.3.0	R3	TEI
25.414	023		R99	F	RP-14	RP-010850	R3-013202	approved	Reference corrections	3.8.0	3.9.0	R3	TEI
25.414	024		Rel-4	A	RP-14	RP-010850	R3-013203	approved	Reference corrections	4.1.0	4.2.0	R3	TEI
25.415	075		R99	F	RP-14	RP-010851	R3-013093	approved	Correction of RF CI numbers	3.8.0	3.9.0	R3	TEI
25.415	076	1	Rel-4	A	RP-14	RP-010851	R3-013527	approved	Correction of RF CI numbers	4.2.0	4.3.0	R3	TEI
25.415	077	3	R99	F	RP-14	RP-010851	R3-013574	approved	Addition of "Specification Notations" Section	3.8.0	3.9.0	R3	TEI
25.415	078	3	Rel-4	A	RP-14	RP-010851	R3-013575	approved	Addition of "Specification Notations" Section	4.2.0	4.3.0	R3	TEI
25.415	079	1	Rel-4	B	RP-14	RP-010872	R3-013521	approved	Time-based Frame Numbering	4.2.0	4.3.0	R3	TEI
25.415	080	1	R99	F	RP-14	RP-010851	R3-013513	approved	Coding of SID mode	3.8.0	3.9.0	R3	TEI

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25.415	081	1	Rel-4	A	RP-14	RP-010851	R3-013514	approved	Coding of SID mode	4.2.0	4.3.0	R3	TEI
25.415	082		R99	F	RP-14	RP-010851	R3-013117	approved	Annex A correction of subflow bits	3.8.0	3.9.0	R3	TEI
25.415	083		Rel-4	A	RP-14	RP-010851	R3-013118	approved	Annex A correction of subflow bits	4.2.0	4.3.0	R3	TEI
25.415	084	2	R99	F	RP-14	RP-010851	R3-013624	approved	Addition of "Specification Notations" Section	3.8.0	3.9.0	R3	TEI
25.415	085	2	Rel-4	A	RP-14	RP-010851	R3-013556	approved	Addition of "Specification Notations" Section	4.2.0	4.3.0	R3	TEI
25.415	086		R99	F	RP-14	RP-010851	R3-013212	approved	Reference corrections	3.8.0	3.9.0	R3	TEI
25.415	087		Rel-4	A	RP-14	RP-010851	R3-013213	approved	Reference corrections	4.2.0	4.3.0	R3	TEI
25.419	067	1	R99	F	RP-14	RP-010852	R3-013519	approved	SAI Clarification	3.6.0	3.7.0	R3	TEI
25.419	068	1	Rel-4	A	RP-14	RP-010852	R3-013520	approved	SAI Clarification	4.2.0	4.3.0	R3	TEI
25.419	069		R99	F	RP-14	RP-010852	R3-013124	approved	Bitstrings ordering	3.6.0	3.7.0	R3	TEI
25.419	070		Rel-4	A	RP-14	RP-010852	R3-013125	approved	Bitstrings ordering	4.2.0	4.3.0	R3	TEI
25.419	071		R99	F	RP-14	RP-010852	R3-013294	approved	Procedure Code Criticality in Error Indication	3.6.0	3.7.0	R3	TEI
25.419	072		Rel-4	A	RP-14	RP-010852	R3-013295	approved	Procedure Code Criticality in Error Indication	4.2.0	4.3.0	R3	TEI
25.419	073	2	R99	F	RP-14	RP-010852	R3-013651	approved	Addition of amendment to clarify the PER encoding of bitstrings	3.6.0	3.7.0	R3	TEI
25.419	074	2	Rel-4	A	RP-14	RP-010852	R3-013656	approved	Addition of amendment to clarify the PER encoding of bitstrings	4.2.0	4.3.0	R3	TEI
25.419	075		R99	F	RP-14	RP-010852	R3-013399	approved	Section 9.2.0 missing	3.6.0	3.7.0	R3	TEI
25.419	076		Rel-4	A	RP-14	RP-010852	R3-013400	approved	Section 9.2.0 missing	4.2.0	4.2.0	R3	TEI
25.419	077	2	R99	F	RP-14	RP-010852	R3-013615	approved	CR on 25.419 (R99) Usage of ''Number of Broadcasts Completed List' IE	3.6.0	3.7.0	R3	TEI
25.419	078	2	Rel-4	A	RP-14	RP-010852	R3-013616	approved	CR on 25.419 (R4) Usage of ''Number of Broadcasts Completed List' IE	4.2.0	4.3.0	R3	TEI
25.419	079		R99	F	RP-14	RP-010852	R3-013636	approved	Correction the Clause 10 Error Handling	3.6.0	3.8.0	R3	TEI
25.419	080		Rel-4	A	RP-14	RP-010852	R3-013637	approved	Correction the Clause 10 Error Handling	4.2.0	4.3.0	R3	TEI
25.420	015		R99	F	RP-14	RP-010853	R3-013214	approved	Reference corrections	3.3.0	3.9.0	R3	TEI
25.420	016		Rel-4	A	RP-14	RP-010853	R3-013215	approved	Reference corrections	4.0.0	4.1.0	R3	TEI
25.420	017		R99	F	RP-14	RP-010853	R3-013132	approved	25.420 v3.3.0 CR Clarification of the Combining/Splitting function	3.3.0	3.4.0	R3	TEI
25.420	018		Rel-4	A	RP-14	RP-010853	R3-013133	approved	25.420 v4.0.0 CR Clarification of the Combining/Splitting function	4.0.0	4.1.0	R3	TEI
25.420	019	1	R99	F	RP-14	RP-010853	R3-013530	approved	Addition of “Specification Notations” Section	3.3.0	3.4.0	R3	TEI
25.420	020	1	Rel-4	A	RP-14	RP-010853	R3-013531	approved	Addition of “Specification Notations” Section	4.0.0	4.1.0	R3	TEI
25.420	021	2	R99	F	RP-14	RP-010853	R3-013643	approved	Behaviour of the RNC in case of Iur transmission failure	3.3.0	3.4.0	R3	TEI
25.420	022	2	Rel-4	A	RP-14	RP-010853	R3-013644	approved	Behaviour of the RNC in case of Iur transmission failure	4.0.0	4.1.0	R3	TEI
25.422	009		R99	F	RP-14	RP-010854	R3-013210	approved	Reference corrections	3.5.0	3.6.0	R3	TEI
25.422	010		Rel-4	A	RP-14	RP-010854	R3-013211	approved	Reference corrections	4.0.0	4.1.0	R3	TEI
25.423	477		R99	F	RP-14	RP-010855	R3-013087	approved	CR on Priority range	3.7.0	3.8.0	R3	TEI
25.423	478	2	Rel-4	A	RP-14	RP-010855	R3-013720	revised	CR on Priority range	4.2.0		R3	TEI
25.423	478	2	Rel-4	A	RP-14	RP-010896		approved	CR on Priority range	4.2.0	4.3.0	R3	TEI
25.423	479		R99	F	RP-14	RP-010855	R3-013126	approved	Bitstrings ordering	3.7.0	3.8.0	R3	TEI

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25.423	480		Rel-4	A	RP-14	RP-010855	R3-013127	approved	Bitstrings ordering	4.2.0	4.3.0	R3	TEI
25.423	481		R99	F	RP-14	RP-010855	R3-013136	approved	Added UTRAN modes in the Semantics Description in IEs in RNSAP messages	3.7.0	3.8.0	R3	TEI
25.423	482		Rel-4	A	RP-14	RP-010855	R3-013137	approved	Added UTRAN modes in the Semantics Description in IEs in RNSAP messages	4.2.0	4.3.0	R3	TEI
25.423	483		R99	F	RP-14	RP-010855	R3-013138	approved	Alignment to RAN4 spec for Transmitted Code Power Measurement	3.7.0	3.8.0	R3	TEI
25.423	484		Rel-4	A	RP-14	RP-010855	R3-013139	approved	Alignment to RAN4 spec for Transmitted Code Power Measurement	4.2.0	4.3.0	R3	TEI
25.423	485	1	Rel-4	F	RP-14	RP-010911		approved	Correction to SFN-SFN Observed Time Difference Measurement report mapping	4.2.0	4.3.0	R3	LCS1-UEPos-IubIur
25.423	486	1	Rel-4	F	RP-14	RP-010873	R3-013676	approved	Correction of drift rate resolution	4.2.0	4.3.0	R3	LCS1-Uepos-IubIur
25.423	487		Rel-4	F	RP-14	RP-010873	R3-013169	approved	Cell Parameter ID IE definition for 1.28Mcps TDD	4.2.0	4.3.0	R3	LCRTDD-IubIur
25.423	488		Rel-4	F	RP-14	RP-010873	R3-013171	approved	Introduction of Band Indicator in GSM Neighbouring Cell Information	4.2.0	4.3.0	R3	TEI
25.423	489		Rel-4	F	RP-14	RP-010873	R3-013172	approved	UL SIR Target in RL Setup Request TDD	4.2.0	4.3.0	R3	TEI
25.423	490	1	R99	F	RP-14	RP-010855	R3-013534	approved	TDD Transmit Diversity for P-CCPCH and S-CCPCH	3.7.0	3.8.0	R3	TEI
25.423	491		Rel-4	A	RP-14	RP-010855	R3-013178	approved	Transmit Diversity for TDD	4.2.0	4.3.0	R3	TEI
25.423	496		R99	F	RP-14	RP-010855	R3-013234	approved	Clarification for the definition of the ASN.1 constants	3.7.0	3.8.0	R3	TEI
25.423	497		Rel-4	A	RP-14	RP-010855	R3-013235	approved	Clarification for the definition of the ASN.1 constants	4.2.0	4.3.0	R3	TEI
25.423	502	2	Rel-4	F	RP-14	RP-010873	R3-013678	approved	Handling of the DPC Mode IE	4.2.0	4.3.0	R3	RRM_Optimisation
25.423	503	1	R99	F	RP-14	RP-010855	R3-013540	approved	Terminology Corrections	3.7.0	3.8.0	R3	TEI
25.423	504	1	Rel-4	A	RP-14	RP-010855	R3-013541	approved	Terminology Corrections	4.2.0	4.3.0	R3	TEI
25.423	505	1	Rel-4	F	RP-14	RP-010873	R3-013603	approved	Rel-4 specific terminology corrections	4.2.0	4.3.0	R3	TEI
25.423	508		R99	F	RP-14	RP-010855	R3-013296	approved	Procedure Code Criticality in Error Indication	3.7.0	3.7.0	R3	TEI
25.423	509		Rel-4	A	RP-14	RP-010855	R3-013297	approved	Procedure Code Criticality in Error Indication	4.2.0	4.3.0	R3	TEI
25.423	511		R99	F	RP-14	RP-010855	R3-013338	approved	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	3.7.0	3.8.0	R3	TEI
25.423	512		Rel-4	A	RP-14	RP-010855	R3-013339	approved	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	4.2.0	4.3.0	R3	TEI
25.423	513	1	R99	F	RP-14	RP-010855	R3-013536	approved	Forward Compatibility for DL Power Balancing	3.7.0	3.8.0	R3	TEI
25.423	514	1	Rel-4	A	RP-14	RP-010855	R3-013538	approved	Forward Compatibility for DL Power Balancing	4.2.0	4.3.0	R3	TEI
25.423	515		R99	F	RP-14	RP-010856	R3-013354	approved	Reconfiguration clarification	3.7.0	3.8.0	R3	TEI
25.423	516		Rel-4	A	RP-14	RP-010856	R3-013355	approved	Reconfiguration clarification	4.2.0	4.3.0	R3	TEI
25.423	517	2	R99	F	RP-14	RP-010856	R3-013645	approved	DRNC behaviour at SRNC or RNSAP Signalling Bearer failure	3.7.0	3.8.0	R3	TEI
25.423	518	2	Rel-4	A	RP-14	RP-010856	R3-013646	approved	DRNC behaviour at SRNC or RNSAP Signalling Bearer failure	4.2.0	4.3.0	R3	TEI

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25.423	519	2	R99	F	RP-14	RP-010856	R3-013649	approved	Addition of amendment to clarify the PER encoding of bitstrings	3.7.0	3.8.0	R3	TEI
25.423	520	2	Rel-4	A	RP-14	RP-010856	R3-013653	approved	Addition of amendment to clarify the PER encoding of bitstrings	4.2.0	4.3.0	R3	TEI
25.423	521	1	Rel-4	F	RP-14	RP-010873	R3-013670	approved	Correction to the RNSAP Congestion Indication	4.2.0		R3	TEI
25.423	524		R99	F	RP-14	RP-010856	R3-013440	approved	Clarification on Primary CPICH Ec/No IE	3.7.0	3.8.0	R3	TEI
25.423	525		Rel-4	A	RP-14	RP-010856	R3-013441	approved	Clarification on Primary CPICH Ec/No IE	4.2.0	4.3.0	R3	TEI
25.423	526	2	R99	F	RP-14	RP-010856	R3-013660	approved	Transport Bearer replacement clarification for the DSCH case	3.7.0	3.8.0	R3	TEI
25.423	527	2	Rel-4	A	RP-14	RP-010856	R3-013661	approved	Transport Bearer replacement clarification for the DSCH case	4.2.0	4.3.0	R3	TEI
25.423	528		R99	F	RP-14	RP-010856	R3-013450	approved	Clarification of the Transaction ID	3.7.0	3.8.0	R3	TEI
25.423	529		Rel-4	A	RP-14	RP-010856	R3-013452	approved	Clarification of the Transaction ID	4.2.0	4.3.0	R3	TEI
25.423	530	2	Rel-4	F	RP-14	RP-010873	R3-013695	approved	SFN-SFN quality indication	4.2.0	4.3.0	R3	LCS1-UEpos-lublur
25.423	531		R99	F	RP-14	RP-010856	R3-013609	approved	Clarification of S Field Length usage	3.7.0	3.8.0	R3	TEI
25.423	532		Rel-4	A	RP-14	RP-010856	R3-013610	approved	Clarification of S Field Length usage	4.2.0	4.3.0	R3	TEI
25.423	533		R99	F	RP-14	RP-010856	R3-013638	approved	Correction the Clause 10 Error Handling	3.7.0	3.8.0	R3	TEI
25.423	534		Rel-4	A	RP-14	RP-010856	R3-013639	approved	Correction the Clause 10 Error Handling	4.2.0	4.3.0	R3	TEI
25.423	539		R99	F	RP-14	RP-010856	R3-013142	approved	Correction to Primary CPICH handling in RL Setup procedure	3.7.0	3.8.0	R3	TEI
25.423	540		Rel-4	A	RP-14	RP-010856	R3-013143	approved	Correction to Primary CPICH handling in RL Setup procedure	4.2.0	4.3.0	R3	TEI
25.424	012		R99	F	RP-14	RP-010857	R3-013204	approved	Reference corrections	3.6.0	3.7.0	R3	TEI
25.424	013		Rel-4	A	RP-14	RP-010857	R3-013205	approved	Reference corrections	4.0.0	4.1.0	R3	TEI
25.425	036		R99	F	RP-14	RP-010858	R3-013162	approved	Description of CRC calculation	3.5.0	3.6.0	R3	TEI
25.425	037	1	Rel-4	A	RP-14	RP-010858	R3-013598	approved	Description of CRC	4.1.0	4.2.0	R3	TEI
25.425	038		R99	F	RP-14	RP-010858	R3-013312	approved	Specification Notations	3.5.0	3.6.0	R3	TEI
25.425	039		Rel-4	A	RP-14	RP-010858	R3-013313	approved	Specification Notations	4.1.0	4.2.0	R3	TEI
25.425	040	2	R99	F	RP-14	RP-010858	R3-013657	approved	Transport Bearer replacement for the DSCH	3.5.0	3.6.0	R3	TEI
25.425	041	2	Rel-4	A	RP-14	RP-010858	R3-013658	approved	Transport Bearer replacement for the DSCH	4.1.0	4.2.0	R3	TEI
25.425	042	1	R99	F	RP-14	RP-010858	R3-013599	approved	Extension of USCH and DSCH data and control frames	3.5.0	3.6.0	R3	TEI
25.425	043	1	Rel-4	A	RP-14	RP-010858	R3-013600	approved	Extension of USCH and DSCH data and control frames	4.1.0	4.2.0	R3	TEI
25.426	014		R99	F	RP-14	RP-010859	R3-013208	approved	Reference corrections	3.6.0	3.7.0	R3	TEI
25.426	015		Rel-4	A	RP-14	RP-010859	R3-013209	approved	Reference corrections	4.0.0	4.1.0	R3	TEI
25.426	016	1	R99	F	RP-14	RP-010859	R3-013489	approved	Correction to Figure 3	3.6.0	3.7.0	R3	TEI
25.426	017	1	Rel-4	A	RP-14	RP-010859	R3-013490	approved	Correction to Figure 3	4.0.0	4.1.0	R3	TEI
25.427	066		R99	F	RP-14	RP-010860	R3-013154	approved	Correction to inconsistencies in TS 25.427	3.8.0	3.9.0	R3	TEI
25.427	067		Rel-4	A	RP-14	RP-010860	R3-013155	approved	Correction to inconsistencies in TS 25.427	4.2.0	4.3.0	R3	TEI
25.427	068	1	R99	F	RP-14	RP-010860	R3-013586	approved	Clarifications on data/control frame support	3.8.0	3.9.0	R3	TEI
25.427	069	1	Rel-4	A	RP-14	RP-010860	R3-013587	approved	Clarifications on data/control frame support	4.2.0	4.3.0	R3	TEI
25.427	070		R99	F	RP-14	RP-010860	R3-013314	approved	Specification Notations	3.8.0	3.9.0	R3	TEI

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25.427	071		Rel-4	A	RP-14	RP-010860	R3-013315	approved	Specification Notations	4.2.0	4.3.0	R3	TEI
25.427	076	2	R99	F	RP-14	RP-010860	R3-013647	approved	Terminology Correction – Rel99	3.8.0	3.9.0	R3	TEI
25.427	077	2	Rel-4	A	RP-14	RP-010860	R3-013648	approved	Terminology Correction – Rel4	4.2.0	4.3.0	R3	TEI
25.430	024		R99	F	RP-14	RP-010861	R3-013216	approved	Reference corrections	3.6.0	3.7.0	R3	TEI
25.430	025		Rel-4	A	RP-14	RP-010861	R3-013217	approved	Reference corrections	4.1.0	4.2.0	R3	TEI
25.430	026	1	R99	F	RP-14	RP-010861	R3-013532	approved	Addition of “Specification Notations” Section	3.6.0	3.7.0	R3	TEI
25.430	027	1	Rel-4	A	RP-14	RP-010861	R3-013533	approved	Addition of “Specification Notations” Section	4.1.0	4.2.0	R3	TEI
25.433	529	2	R99	F	RP-14	RP-010862	R3-013486	approved	CR on Priority range	3.7.0	3.8.0	R3	TEI
25.433	530	1	Rel-4	A	RP-14	RP-010862	R3-013090	revised	CR on Priority range	4.2.1		R3	TEI
25.433	530	2	Rel-4	A	RP-14	RP-010897	R3-013723	approved	CR on Priority range	4.2.1	4.3.0	R3	TEI
25.433	533		R99	F	RP-14	RP-010862	R3-013128	approved	Bitstrings ordering	3.7.0	3.8.0	R3	TEI
25.433	534		Rel-4	A	RP-14	RP-010862	R3-013129	approved	Bitstrings ordering	4.2.1	4.3.0	R3	TEI
25.433	535		R99	F	RP-14	RP-010862	R3-013134	approved	Added UTRAN modes in the IE Type and Reference and Semantics Description in IEs in NBAP messages	3.7.0	3.8.0	R3	TEI
25.433	536		Rel-4	A	RP-14	RP-010862	R3-013135	approved	Added UTRAN modes in the IE Type and Reference and Semantics Description in IEs in NBAP messages	4.2.1	4.3.0	R3	TEI
25.433	537		R99	F	RP-14	RP-010862	R3-013140	approved	Alignment to RAN4 spec for Transmitted Code Power Measurement	3.7.0	3.8.0	R3	TEI
25.433	538		Rel-4	A	RP-14	RP-010862	R3-013141	approved	Alignment to RAN4 spec for Transmitted Code Power Measurement	4.2.1	4.3.0	R3	TEI
25.433	539		R99	F	RP-14	RP-010862	R3-013640	approved	Correction the Clause 10 Error Handling	3.7.0	3.8.0	R3	TEI
25.433	540		Rel-4	A	RP-14	RP-010862	R3-013641	approved	Correction the Clause 10 Error Handling	4.2.1	4.3.0	R3	TEI
25.433	541		R99	F	RP-14	RP-010862	R3-013144	approved	Clarification of TrCh Ordering in TFCS	3.7.0	3.8.0	R3	TEI
25.433	542		Rel-4	A	RP-14	RP-010862	R3-013145	approved	Clarification of TrCh Ordering in TFCS	4.2.1	4.3.0	R3	TEI
25.433	543		R99	F	RP-14	RP-010862	R3-013146	approved	Reconstruction of the procedure text for Radio Link Setup in case of TDD	3.7.0	3.8.0	R3	TEI
25.433	544		Rel-4	F	RP-14	RP-010862	R3-013147	approved	Addition of SIB15.4 and SIB18 to tabular	4.2.1	4.3.0	R3	TEI
25.433	545	1	Rel-4	F	RP-14	RP-010912		approved	Correction to SFN-SFN Observed Time Difference Measurement report mapping	4.2.1	4.3.0	R3	LCS1-UEPos-Iublur
25.433	546	1	Rel-4	F	RP-14	RP-010874	R3-013677	approved	Correction of drift rate resolution	4.2.1	4.3.0	R3	LCS1-Uepos-Iublur
25.433	547		Rel-4	F	RP-14	RP-010874	R3-013170	approved	Cell Parameter ID IE definition for 1.28Mcps TDD	4.2.1	4.3.0	R3	LCRTDD-Iublur
25.433	548		Rel-4	F	RP-14	RP-010874	R3-013173	approved	Amendment of the RADIO LINK ADDITION RESPONSE TDD message for LCR TDD	4.2.1	4.3.0	R3	TEI
25.433	549		R99	F	RP-14	RP-010862	R3-013179	approved	Transmit Diversity for TDD	3.7.0	3.8.0	R3	TEI
25.433	550		Rel-4	A	RP-14	RP-010862	R3-013180	approved	Transmit Diversity for TDD	4.2.1	4.3.0	R3	TEI
25.433	551		R99	F	RP-14	RP-010862	R3-013236	approved	Clarification for the definition of the ASN.1 constants	3.7.0	3.8.0	R3	TEI
25.433	552		Rel-4	A	RP-14	RP-010862	R3-013237	approved	Clarification for the definition of the ASN.1 constants	4.2.1	4.3.0	R3	TEI
25.433	558	1	R99	F	RP-14	RP-010862	R3-013542	approved	Terminology Corrections	3.7.0	3.8.0	R3	TEI
25.433	559	1	Rel-4	A	RP-14	RP-010862	R3-013543	approved	Terminology Corrections	4.2.1	4.3.0	R3	TEI

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25.433	560	1	Rel-4	F	RP-14	RP-010863	R3-013604	approved	Rel-4 specific terminology corrections	4.2.1	4.3.0	R3	TEI
25.433	561		R99	F	RP-14	RP-010863	R3-013298	approved	Procedure Code Criticality in Error Indication	3.7.0	3.8.0	R3	TEI
25.433	562		Rel-4	A	RP-14	RP-010863	R3-013299	approved	Procedure Code Criticality in Error Indication	4.2.1	4.3.0	R3	TEI
25.433	564		R99	F	RP-14	RP-010863	R3-013340	approved	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	3.7.0	3.8.0	R3	TEI
25.433	565		Rel-4	A	RP-14	RP-010863	R3-013341	approved	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	4.2.1	4.3.0	R3	TEI
25.433	566	1	R99	F	RP-14	RP-010863	R3-013537	approved	Forward Compatibility for DL Power Balancing	3.7.0	3.8.0	R3	TEI
25.433	567	1	Rel-4	A	RP-14	RP-010863	R3-013539	approved	Forward Compatibility for DL Power Balancing	4.2.1	4.3.0	R3	TEI
25.433	568		R99	F	RP-14	RP-010863	R3-013356	approved	Reconfiguration clarification	3.7.0	3.8.0	R3	TEI
25.433	569		Rel-4	A	RP-14	RP-010863	R3-013357	approved	Reconfiguration clarification	4.2.1	4.3.0	R3	TEI
25.433	570	2	R99	F	RP-14	RP-010863	R3-013650	approved	Addition of amendment to clarify the PER encoding of bitstrings	3.7.0	3.8.0	R3	TEI
25.433	571	2	Rel-4	A	RP-14	RP-010863	R3-013652	approved	Addition of amendment to clarify the PER encoding of bitstrings	4.2.1	4.3.0	R3	TEI
25.433	574	2	R99	F	RP-14	RP-010863	R3-013662	approved	Transport Bearer replacement clarification for the DSCH case	3.7.0	3.8.0	R3	TEI
25.433	575	2	Rel-4	A	RP-14	RP-010863	R3-013663	approved	Transport Bearer replacement clarification for the DSCH case	4.2.1	4.3.0	R3	TEI
25.433	576		R99	F	RP-14	RP-010863	R3-013449	approved	Clarification of the Transaction ID	3.7.0	3.8.0	R3	TEI
25.433	577		Rel-4	A	RP-14	RP-010863	R3-013451	approved	Clarification of the Transaction ID	4.2.1	4.3.0	R3	TEI
25.433	578	1	R99	F	RP-14	RP-010863	R3-013584	approved	CPCH-related corrections	3.7.0	3.8.0	R3	TEI
25.433	579	1	Rel-4	A	RP-14	RP-010863	R3-013585	approved	CPCH-related corrections	4.2.1	4.3.0	R3	TEI
25.433	580	2	Rel-4	F	RP-14	RP-010874	R3-013696	approved	SFN-SFN quality indication	4.2.1	4.3.0	R3	LCS1-UEpos-IublIur
25.433	581		R99	F	RP-14	RP-010863	R3-013590	approved	Correction of S field length	3.7.0	4.3.0	R3	TEI
25.433	582		Rel-4	A	RP-14	RP-010863	R3-013591	approved	Correction of S field length	4.2.1	4.3.0	R3	TEI
25.434	011		R99	F	RP-14	RP-010864	R3-013206	approved	Reference corrections	3.5.0	3.6.0	R3	TEI
25.434	012		Rel-4	A	RP-14	RP-010864	R3-013207	approved	Reference corrections	4.1.0	4.2.0	R3	TEI
25.434	013	1	R99	F	RP-14	RP-010864	R3-013487	approved	Missing PCH References	3.5.0	3.6.0	R3	TEI
25.434	014	1	Rel-4	A	RP-14	RP-010864	R3-013488	approved	Missing PCH References	4.1.0	4.2.0	R3	TEI
25.435	062		R99	F	RP-14	RP-010865	R3-013158	approved	PCH Frame Clarification	3.8.0	3.9.0	R3	TEI
25.435	063	1	Rel-4	A	RP-14	RP-010865	R3-013592	approved	PCH Frame Clarification	4.2.0	4.3.0	R3	TEI
25.435	064		R99	F	RP-14	RP-010865	R3-013160	approved	Description of CRC calculation	3.8.0	3.9.0	R3	TEI
25.435	065		Rel-4	A	RP-14	RP-010865	R3-013161	approved	Description of CRC calculation	4.2.0	4.3.0	R3	TEI
25.435	066		R99	F	RP-14	RP-010865	R3-013316	approved	Specification Notations	3.8.0	3.9.0	R3	TEI
25.435	067		Rel-4	A	RP-14	RP-010865	R3-013317	approved	Specification Notations	4.2.0	4.3.0	R3	TEI
25.435	071	2	R99	F	RP-14	RP-010865	R3-013664	approved	Transport Bearer replacement for the DSCH	3.8.0	3.9.0	R3	TEI
25.435	072	2	Rel-4	A	RP-14	RP-010865	R3-013665	approved	Transport Bearer replacement for the DSCH	4.2.0	4.3.0	R3	TEI
25.450	001	1	Rel-5	F	RP-14	RP-010875	R3-013606	approved	Reference corrections	5.0.0	5.1.0	R3	LCS-INTF
25.450	002	1	Rel-5	F	RP-14	RP-010875	R3-013607	approved	Addition of Specification Notations Section	5.0.0	5.1.0	R3	LCS-INTF
25.453	008	1	Rel-5	F	RP-14	RP-010875	R3-013497	approved	Bitstrings ordering	5.1.0	5.2.0	R3	LCS-INTF

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25.453	009	1	Rel-5	F	RP-14	RP-010875	R3-013608	approved	Reference corrections	5.1.0	5.2.0	R3	LCS-INTF
25.453	010	1	Rel-5	F	RP-14	RP-010875	R3-013535	approved	Clarification for the definition of the ASN.1 constants	5.1.0	5.2.0	R3	LCS-INTF
25.453	012	1	Rel-5	F	RP-14	RP-010875	R3-013494	approved	Procedure Code Criticality in Error Indication	5.1.0	5.2.0	R3	LCS-INTF
25.453	013	2	Rel-5	F	RP-14	RP-010875	R3-013666	approved	Addition of amendment to clarify the PER encoding of bitstrings	5.1.0	5.2.0	R3	LCS-INTF
25.453	014	1	Rel-5	F	RP-14	RP-010875	R3-013544	approved	Clarification of the Transaction ID	5.1.0	5.2.0	R3	LCS-INTF
25.453	015		Rel-5	F	RP-14	RP-010875	R3-013642	approved	Correction the Clause 10 Error Handling	5.1.0	5.2.0	R3	LCS-INTF
25.838	001		Rel-4	F	RP-14	RP-010866	R3-013175	approved	Introduction of the Frequency Acquisition Phase and updates of IEs, EPs, and messages	4.0.0	4.1.0	R3	RANimp-Nbsync
25.850	003		Rel-4	F	RP-14	RP-010867	R3-013174	approved	UTRAN SFN-SFN Observed Time difference measurement report mapping and accuracy definition	4.2.0	4.3.0	R3	LCS1-UEPos-IublIur
25.921	032		R99	F	RP-14	RP-010768	R2-012536	approved	Modulo formula	3.5.0	3.6.0	R2	TEI
25.921	033		Rel-4	A	RP-14	RP-010768	R2-012660	approved	Modulo formula	4.2.0	4.3.0	R2	TEI
25.921	034		R99	F	RP-14	RP-010768	R2-012585	approved	Use of extensions in a backward compatible way	3.5.0	3.6.0	R2	TEI
25.921	035		Rel-4	A	RP-14	RP-010768	R2-012661	approved	Use of extensions in a backward compatible way	4.2.0	4.3.0	R2	TEI
25.921	036		R99	F	RP-14	RP-010768	R2-012631	approved	Extensions of IE value ranges in tabular	3.5.0	3.6.0	R2	TEI
25.921	037		Rel-4	A	RP-14	RP-010768	R2-012632	approved	Extensions of IE value ranges in tabular	4.2.0	4.3.0	R2	TEI
25.931	011	1	R99	F	RP-14	RP-010868	R3-013491	approved	Obsolete or Missing Messages	3.4.0	3.5.0	R3	TEI
25.931	012	1	Rel-4	A	RP-14	RP-010868	R3-013492	approved	Obsolete or Missing Messages	4.1.0	4.2.0	R3	TEI
25.942	002		R99	F	RP-14	RP-010785	R4-011572	approved	Co-location UTRA-FDD with UTRA-TDD Site engineering solutions	3.1.0	3.2.0	R4	
25.942	003		Rel-4	A	RP-14	RP-010785	R4-011622	approved	Co-location UTRA-FDD with UTRA-TDD Site engineering solutions	4.0.0	4.1.0	R4	
25.943	001		Rel-4	F	RP-14	RP-010788	R4-011580	approved	CR to TR25.943 for changes to deployment model	4.0.0	4.1.0	R4	TEI4

Annex D: Summary of Action Points

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

TSG-RAN WG1

- To take into account LS **RP-010905** (**R3-013694**).
- To investigate which, if any, changes are necessary as a result of approving CR 208 to TS 25.133 (**RP-010791**).

TSG-RAN WG2

- To draft the relevant CRs based on **RP-010927** (two-level approach for testing in RRC).
- To study what mechanism to use in a UMTS network so as to provide equivalent functionality to what is currently available for monitoring messages over the Abis interface for GSM (see **RP-010909** on RAB and RAB ciphering).

TSG-RAN WG3

- To handle LS **RP-010805** (**GP-012704**).
- To reconsider the topics of Multimedia Services and Multicast/Broadcast (see discussion on WG3 Chairman's report **RP-010844~~33~~**).
- To draft a WI (including assessment on what work to do in TSG-RAN as opposed to TSG-SA WG5) on the topic of "Interface to control electrical tilting antennas" (postponed WI **RP-010834**).

TSG-RAN WG4

- To handle LS **RP-010808** (**R2-012772**).
- To review the topic of TPC in SHO (discussion on WG1 report **RP-010733**).
- To check the uplink signalling solution for HSDPA (see status report on physical layer HSDPA in **RP-010843**)

TSG-RAN Chairman

- To provide **RP-010728** (output statement of harmonisation meeting with 3GPP2) to TSG-SA and PCG.
- To provide **RP-010890** (LS to ITU-T) to TSG-SA, TSG-CN and PCG.
- To inform TSG-SA and TSG-SA WG2 that urgent comments on **RP-010891** (LS **R3-013617** response to LS **G2-010484**) are requested, to be provided before the end of the January WG3 meeting.
- To bring **RP-010925** (smooth introduction of Release '99) to the attention of TSG-T, TSG-CN and TSG-SA.
- To forward **RP-010837** (contribution to ITU-R WP8F) to PCG for approval.
- To remember that an update of **RP-010838** needs to be approved in TSG-RAN #15.
- To forward **RP-010943** (noted SI "Analysis of OFDM for UTRAN evolution") to TSG-SA and PCG for general consideration of this type of work.

TSG-RAN WG Chairmen/MCC support

- To ensure that complete "isolated impact" analysis and accurate reason for change is included for all CRs submitted to the TSG-RAN plenary for approval.
- To limit the number of CRs for clarification submitted to the TSG-RAN plenary for approval.
- To ensure provision of status reports for all WIs and SIs, even those without progress, and review the completion dates explicitly in the WG. Excepted are "general" WIs and SIs without completion date.
- To ensure that for Study Items a conclusion is provided in the TR (without a proper conclusion that can be used as the basis for decision in TSG-RAN on what to do next, it is not possible for TSG-RAN to approve the TR or a follow-up WI).

Annex E: Meeting schedule

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

TSG-RAN

Meeting	Date	Host	Location
RAN#15	05 - 08 March 2002	TTA	Jeju-do, Korea
RAN#16	04 - 07 June 2002	Motorola	Marco Island, FL, USA
RAN#17	03 - 06 September 2002	Alcatel	Biarritz, France
RAN#18	03 - 06 December 2002	North American Friends of 3GPP	New Orleans, LA, USA
RAN#19	11 - 14 March 2003	UK Friends of 3GPP	Jersey, Channel Islands (British Isles)
RAN#20	10 - 13 June 2003	Nokia	tbd, Finland
RAN#21	16 - 19 September 2003		
RAN#22	09 - 12 December 2003		

TSG-RAN WG1

Meeting	Date	Host	Location
#26	09 - 12 April 2002		
#27	14 - 17 May 2002	Samsung Electronics	Gyeongju, Korea
#28	25 - 28 June 2002 (tbc)	Nokia	Oulu, Finland
#29	20 - 23 August 2002		
#30	24 - 27 September 2002 (tbc)	Samsung	tbd, China
#31	12 - 15 November 2002		

TSG-RAN WG2

Meeting	Date	Host	Location
#28	08 - 12 April 2002	J-Phone	Kobe, Japan
#29	13 - 17 May 2002	Samsung Electronics	Gyeongju, Korea
#30	24 - 28 June 2002	Omnitel	tbd, Italy
#31	19 - 23 August 2002	Ericsson	tbd, Sweden
#32	23 - 27 September 2002	CATT	Xi'an, China
#33	11 - 15 November 2002	ETSI	Sophia Antipolis

TSG-RAN WG3

Meeting	Date	Host	Location
#28	08 - 12 April 2002	J-Phone	Kobe, Japan
#29	13 - 17 May 2002	Samsung Electronics	Gyeongju, Korea
#30	24 - 28 June 2002	Omnitel (tbc)	tbd, Italy (tbc)
#31	19 - 23 August 2002	Ericsson	tbd, Sweden
#32	23 - 27 September 2002	CATT	Xi'an, China
#33	11 - 15 November 2002	ETSI	Sophia Antipolis

TSG-RAN WG4

Meeting	Date	Host	Location
#22	13 - 17 May 2002	Samsung Electronics	Gyeongju, Korea
#23	12 - 16 August 2002	Nokia	tbd, Finland
#24	11 - 15 November 2002	North American Friends of 3GPP	USA (tbc)