

TSG-SA meeting #7
Madrid, Spain, 13-15 March 2000

SP-000144

Title: Draft Report of the 7th TSG-RAN meeting
(Madrid, Spain, 13-15 March 2000)
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Executive summary

<to be added>

1 Opening of the meeting

Yukitsuna Furuya (Chairman) opened the meeting. Eliseo Sánchez Trasobares (Telefonica Móviles) welcomed the delegates to Madrid, explained the position of Telefonica Móviles in Spain, thanked the sponsors of the lunches and explained the organisational details.

2 Approval of the agenda

RP-000001 Proposed agenda (Chairman)

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

Decision: The agenda was approved.

3 Approval of the meeting report of TSG-RAN Meeting #6

RP-000002 Draft Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999) (Secretary)

RP-000003 Revised draft Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999) (Secretary)

The revised meeting report of RAN#6 in RP-000003 had been distributed via the email reflector and was on the server. Compared to the original draft version, there were some small changes in the executive summary and in the ITU Ad Hoc part.

Decision: An additional e-mail comment from Samsung on gated transmission was added. The report was approved. The approved report would be available in RP-000004.

RP-000004 Approved Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999) (Secretary)

This was the approved report of the TSG-RAN #6 meeting.

RP-000005 (RPA000064) Approved Report of the TSG-RAN Ad Hoc meeting on RRM (Torino, Italy, 9-11 February 2000) (Secretary)

Hans van der Veen (Secretary) presented this report.

Discussion: This was the meeting report of the TSG-RAN Ad Hoc meeting on RRM, which had been distributed to both RAN and the RAN WGs. The Ad Hoc meeting had a mandate from TSG-RAN #6 to take decisions for the TSG-RAN WGs. Actions for the WGs were highlighted and had been taken into account by the WGs. The report was provided for information.

Decision: The report was approved.

4 Inputs from other groups

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

4.1.1 TSG-SA and TSG-SA WGs

RP-000010 (S5-000046, to TSG-RAN) LS on RAN-WG3 Document I3.05 (TSG-SA WG5)

Per Willars (TSG-RAN WG3 Chairman) presented this LS.

Discussion: The request from TSG-SA WG5 was not supported by TSG-RAN WG3, because the purpose of the document (for the NBAP protocol) had been fulfilled and the document was out of date. RP-000008 contained the response from TSG-RAN WG3.

Decision: The LS was noted.

RP-000119 (AIP000042) 3GPP "All-IP" vision (Powerpoint presentation) (TSG-SA Chairman)

Francois Courau (Vice-Chairman) presented this document.

Discussion: The document was the result of the All-IP workshop held in Nice and was for information.

Decision: The document was noted.

RP-000120 (AIP000043) Draft Report of the All-IP Workshop, version 0.0.2 (TSG-SA Secretary)

Francois Courau (Vice-Chairman) presented this document.

Discussion: The document was the result of the All-IP workshop held in Nice and was for information.

Decision: The document was noted.

4.2 Others

4.2.1 SMG and SMG WPs

RP-000011 (2-00-462, copy TSG-RAN) LS on Twinkling replacement antennas (SMG2)

Paolo Usai (ETSI) presented this LS.

Discussion: The document was for information. TSG-RAN WG4 had discussed this issue and decided that it was an issue outside TSG-RAN (mainly for regulators).

Decision: The LS was noted.

4.2.2 GSM Association

RP-000094 GSMA ISG activity on Typical Radio Parameter sets (GSMA ISG)

This document was replaced by RP-000129.

RP-000129 GSMA ISG activity on Typical Radio Parameter sets (GSMA ISG)

Seizo Onoe (NTT DoCoMo) presented this LS.

Discussion: The impact on TSG-RAN of RP-000129 and RP-000130 was on TSG-RAN WG1 (channel coding and multiplexing), WG2 (UE capabilities) and WG4. The recommendations were seen as sensible by the Chairmen of WG1 and WG2. The WG4 Chairman did not expect WG4 to have any work as a result.

Decision: The LS was noted. The WGs would go through RP-000129 and RP-000130 in detail and take appropriate action.

RP-000095 Typical Radio Parameter Sets Document submission (GSMA ISG)

This document was replaced by RP-000130.

RP-000130 Typical Radio Parameter Sets Document submission (GSMA ISG)

Seizo Onoe (NTT DoCoMo) presented this LS.

Discussion: This document was associated with RP-000129 (see above).

Decision: The document was forwarded for study by TSG-RAN WG1 and TSG-RAN WG2.

4.2.3 3GPP2

RP-000012 3GPP2 DS41 (3GPP2)

Francois Courau (Vice-Chairman) presented this LS.

Discussion: The document was concerned with hooks and extensions. The document was for review by TSG-RAN WG3. TSG-RAN WG2 was also requested to check the document.

Decision: The LS was noted. TSG-RAN WG2 and TSG-RAN WG3 were asked to review the document.

RP-000013 3GPP2 MCMAP (3GPP2)

Francois Courau (Vice-Chairman) presented this LS.

Discussion: The document was for information only and was of more concern to TSG-CN.

Decision: The LS was noted.

5 Reports on PCG

Francois Courau (Vice-Chairman) highlighted some of the decisions and actions taken in the last PCG meeting which had an impact on TSG-RAN. TSG-RAN was granted permission to liaise with ISO-ITU experts on ASN.1, but requested to consult the ETSI PEX (permanent experts on formal methods including ASN.1). MCC also has an action to update the website as the related LS was missing.

6 Reports from TSG-RAN Groups

RP-000006 (R2-000666, copy TSG-RAN) LS on UE radio access capabilities and relation to conformance testing (TSG-RAN WG2)

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

Discussion: The document was related to the discussion on RP-000129 and RP-000130. TSG-T was forgotten in the cc-list, but had been given the document anyway, with a request to put it on their agenda. There could be expected to be changes to TR 25.926, as TSG-RAN WG1 and TSG-RAN WG2 would take into account RP-000129 and RP-000130. Han van Bussel (T-Mobil) wondered why there was a conformance to a test specification instead of the core specification. Denis Fauconnier (TSG-RAN WG2 Chairman) explained that the toolbox was so flexible that it was not possible to test everything. For this reason a number of standard configurations had been identified (fixed combinations of parameters) which could be tested. The contentious word was really the word 'compliance'. For the LS it did not matter much, as long as the actual wording in the TRs and TSs was correct.

Decision: The LS was noted.

RP-000007 (R2-000669, to TSG-RAN) LS on Harmonization of methodology for TSG-RAN WGs (TSG-RAN WG2)

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

Discussion: There were problems with the different use of methodology between the TSG-RAN WGs. Francois Courau (Vice-Chairman) recommended the use of the 'import' facility in ASN.1 as a default, to avoid duplication. The RRC specification ought to be the basis, also for TSG-RAN WG3. Per Willars (TSG-RAN WG3 Chairman) considered it to be difficult to change its current specifications. Howard Benn (TSG-RAN WG4 Chairman) considered that there really needed to be a discussion in the TSG-RAN plenary on RRM, as this issue had been discussed several times and there never seemed to be a solution. There were two issues: the one raised by RP-000007 and how to handle RRM.

Decision: The LS was noted. The WG Chairmen were asked to discuss this issue offline and come with a solution to be discussed in agenda item 9.

RP-000008 (R3-000399, to TSG-RAN) Response to LS (S5-99205) and LS (S5-000046) on RAN-WG3 Document I3.05 (TSG-RAN WG3)

Per Willars (TSG-RAN WG3 Chairman) presented this LS.

Discussion: This was an answer to RP-000010 (the LS from TSG-SA WG5). It explained that I3.05 was out of date and not in line with current TSG-RAN WG3 specifications. It pointed TSG-SA WG5 to other specifications that replace I3.05. Amer El-Saigh (Vodafone Airtouch) requested a delay in the decision until he had been able to confirm the position of TSG-SA WG5. He confirmed that the response was in line with current thought in TSG-SA WG5.

Decision: The LS was noted.

RP-000009 (R4-99A22, copy TSG-RAN) LS on Handover signalling robustness (TSG-RAN WG4)

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

Discussion: The document was for information.

Decision: The LS was noted.

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

6.1 TSG-RAN WG1

6.1.1 Report from TSG-RAN WG1

RP-000058 Report from WG1 chairman to TSG-RAN (TSG-RAN WG1)

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

Discussion:

- All items for Release '99 had been finalised as intended for TSG-RAN #7, although some refinements following from the TSG-RAN Ad Hoc meeting on RRM were still needed.
- An open item was left on compressed mode. With respect to compressed mode, it had been completed for fixed positions, but not for flexible positions. Fredrik Ovesjö (Ericsson) stated that Ericsson was in favour of moving the issue out of Release '99 for flexible positions. Evelyne LeStrat (Nortel Networks) stated that Nortel Networks thought it to be advantageous to have compressed mode for flexible positions although it was late. This issue would be handled in agenda item 7.

TSG-RAN SP-000144- Draft Report of the 7th TSG-RAN meeting (Madrid, Spain, 13-15 March 2000)

- An open item was left with regard to signalling on out-of-synch. Denis Fauconnier (TSG-RAN WG2) clarified that TSG-RAN WG2 expected that TSG-RAN WG1 would provide the possibility.
- Measurements and inner loop TPC had been updated in line with the decisions taken at the TSG-RAN Ad Hoc on RRM.
- Per Willars (TSG-RAN WG3 Chairman) commented that WG3 had discussed the zero-size transport block case and decided not to cover Iur/Iub.
- A technical report on narrowband TDD had been started. There was confusion on the decision taken by TSG-RAN #6 on the status of the narrowband TDD. It was understood by several speakers to have been decided to have one TDD mode with two chiprates and all other properties the same. Francois Courau (Vice-Chairman) clarified that what was needed to achieve unambiguity was to have a proper work item. A proposed title for the report was "1.28 Mcps functionality for UTRAN TDD physical layer". The scope also needed to be adapted somewhat.
- A total of about 120 CRs were submitted for approval by TSG-RAN.

Decision: The report was noted. TSG-RAN WG1 would finish the open item on out-of-synch signalling. The report on narrowband TDD would be renamed and its scope rewritten, and a formal work item would be drafted, containing both the title and revised scope.

6.1.2 Discussions on decisions from TSG-RAN WG1

There were no documents for this agenda item.

6.1.3 Approval of contributions from TSG-RAN WG1

CRs to TS 25.201: Physical layer - General description

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000059	25.201	3.0.1	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000060	25.211	3.1.1	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000061	25.212	3.1.1	Agreed CRs (1)	approved 1)	3.2.0
RP-000062	25.212	3.1.1	Agreed CRs (2)	approved	3.2.0

1) CR 025 was approved, but if it was found that zero-bit transport block issue was problematic for WG2 or WG3, the decision would be revisited. After the presentation of the WG3 report, the approval was confirmed.

CRs to TS 25.213: Spreading and modulation (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000063	25.213	3.1.1	Agreed CRs	approved	3.2.0

CRs to TS 25.214: FDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000064	25.214	3.1.1	Agreed CRs (1)	approved	3.2.0
RP-000065	25.214	3.1.1	Agreed CRs (2)	approved	3.2.0

CRs to TS 25.215: Measurements (FDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000066	25.215	3.1.1	Agreed CRs	approved 1)	3.2.0

- 1) Ian Corden (Lucent Technologies) pointed out that CR 042r1 might not be in line with the current TSG-RAN WG3 specifications. Antti Toskala (TSG-RAN WG1 Chairman) stated that this CR handled signalling resolution, not accuracy. From the implementation point of view, the accuracy could be a concern, but that was a TSG-RAN WG4 topic. It turned out that the CR was not in line with the current TSG-RAN WG3 specifications, but that TSG-RAN WG3 had to do some more alignment with the WG1 specifications.

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000067	25.221	3.1.1	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000068	25.222	3.1.1	Agreed CRs	approved	3.2.0

CRs to TS 25.223: Spreading and modulation (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000069	25.223	3.1.1	Agreed CRs	approved	3.2.0

CRs to TS 25.224: TDD; physical layer procedures

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000070	25.224	3.1.1	Agreed CRs	approved	3.2.0

CRs to TS 25.225: Measurements (TDD)

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000071	25.225	3.1.1	Agreed CRs	approved	3.2.0

Reports from WG1 for information

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000091 / RP-000090 (cover)	25.928	0.0.2	1,28Mcps UTRA TDD Physical Layer	Replaced by R2-000151 (cover not replaced)	-
RP-000151	25.928	0.0.3	1.28Mcps functionality for UTRA TDD Physical Layer	Replaced by R2-000156	-
RP-000156	25.928	0.0.3	1.28Mcps functionality for UTRA TDD Physical Layer	noted	0.0.3

Reports from WG1 for approval

Idoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000093 / RP-000092 (cover)	25.944	1.0.1 1)	Channel coding and multiplexing examples	approved 2)	3.0.0

1) Although the version was 1.0.1, this document was actually presented for approval.

2) The document was not in line with the GSM Association document (RP-000130), but this could be taken care of with a CR for TSG-RAN #8.

6.2 TSG-RAN WG4

6.2.1 Report from TSG-RAN WG4

RP-000014 Report from WG4 chairman to TSG-RAN (TSG-RAN WG4)

This document was replaced by RP-000133.

RP-000133 Report from WG4 chairman to TSG-RAN (TSG-RAN WG4)

This document was replaced by RP-000145.

RP-000145 Report from WG4 chairman to TSG-RAN (TSG-RAN WG4)

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

Discussion:

- In Section 2.1, TSG-RAN WG4 requested a guideline on how to handle unfinished work. The assumption was that no new requirements would be added to the existing ones because of a lack of remaining time till June. Evelyne LeStrat (Nortel Networks) and Patric Blanc (Alcatel) stated that several essential requirements were still missing in the TSG-RAN WG4. Jussi Numinen (Nokia) countered that the situation was not so black and white. Per Beming (Ericsson) requested that a list was drawn up on possibly missing essential requirements. Peter van de Berg (Ericsson) would draft a contribution (see agenda item 7.4, RP-000157). Howard Benn (TSG-RAN WG4 Chairman) stated that, no matter whether a list would identify any missing requirements, the amount of work left in the remaining time meant that it would be impossible to implement any new requirements before the TSG-RAN #8 plenary meeting.
- Section 2.2 questioned the current split of work between groups. There was a clear division of opinion on this topic in TSG-RAN. Some delegates felt that the current split was reasonable, others felt that TSG-RAN WG4 could not do its work properly because some of the measurements work was looked at by other people (in TSG-RAN WG2) than the people who ought to have a look at that issue. Francois Courau (Vice-Chairman) suggested that joint TSG-RAN WG2/WG4 sessions on this could solve the problem. This topic would be discussed in agenda item 7. Howard Benn (TSG-RAN WG4 Chairman) would draft a contribution (see agenda item 7.4, RP-000160).
- In Section 3.1, it was suggested that the parenthetical remark following CPCH be clarified to read: "Performance requirements are not required for CPCH in Release '99 but will be required in Release '00".
- On items still not completed, there was a problem on power classes. The reason why two power classes that were decided not to be part of Release '99 were not actually removed by a CR, was that there was one country where this would cause a regulatory problem. Several delegates felt that this issue ought to be discussed in TSG-RAN WG4 rather than TSG-RAN.
- There was only one TSG-RAN WG4 meeting planned between the next plenaries, to allow for smaller Ad Hoc meetings instead. There was a 3GPP rule that Ad Hocs needed three weeks of advance warning with an agenda at that point. Ad Hoc meetings were planned for 27-28 April (Simulation) and 16 May provisionally (RRM).

- Nearly 120 CRs were submitted to TSG-RAN for approval.

Decision: The report was noted.

6.2.2 Discussions on decisions from TSG-RAN WG4

There were no documents for this agenda item.

6.2.3 Approval of contributions from TSG-RAN WG4

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000015	25.101	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000016	25.102	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000017	25.104	3.1.0	Agreed CRs	approved	3.2.0
RP-000144	25.104	3.1.0	Agreed CR 039	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000018	25.105	3.1.0	Agreed CRs	approved	3.2.0

CRs to TS 25.113: Base station EMC

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000019	25.113	3.0.0	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000020	25.123	3.0.0	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000021	25.133	3.0.0	Agreed CRs	approved 1)	3.1.0
RP-000149	25.133	3.0.0	Revised CR 005	approved	3.1.0

1) In CR 005, Section 10.1.9 shall be removed as it was not agreed. CR 005 was rejected. A revision was provided in RP-000149. The revision was approved.

In CR 008, there was a terminology problem at the end of Section 11.1 ('Pattern for compressed mode measurements'). It was requested to use the terminology used in TSG-RAN WG1 and TSG-RAN WG2. A new CR would be needed for this at TSG-RAN #8.

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

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000022	25.141	3.0.0	Agreed CRs	approved	3.1.0

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

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000023	25.142	3.0.0	Agreed CRs	approved	3.1.0

Reports from WG4 for information

Idoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000025 / RP-000024 (cover)	25.942	2.1.3	RF Scenarios	noted	2.1.3
RP-000027 / RP-000026 (cover)	25.943	2.0.0	Deployment scenarios	noted	2.0.0

6.3 TSG-RAN WG2

6.3.1 Report from TSG-RAN WG2

RP-000033 Report from WG2 chairman to TSG-RAN (TSG-RAN WG2 Chairman)

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

Discussion:

- All remaining Release '99 items were completed, except for some minor issues. Amer El-Saigh (Vodafone Airtouch) asked what "GSM-to-UMTS handover completed" meant. Denis Fauconnier (TSG-RAN WG2 Chairman) clarified that this only reflected the work that TSG-RAN WG2 had to do to enable the handover (the message to be sent on GSM radio).
- All TSs are stable, except RRC signalling (TS 25.331), for which significant work can still be expected. All concepts are stable. Cleaning and correction of TSs and TRs requires continued effort by companies.
- TSG-RAN WG2 receives many CRs from companies, claiming to be "aligned with S3", but not easy to check in the absence of formal LS. There were foggy areas.
- TSG-T WG1 has requested TSG-RAN WG2 to take control of TS 34.109 after approval by T1 (June). This issue is being studied for the next TSG-RAN WG2 meeting. TSG-RAN WG2 requests TSG-RAN for permission of this transfer in case TSG-RAN WG2 decides it is a good idea.
- CR 272 contained a merge of all other CRs on Section 10, in order to provide a clean basis for CR 273, which added the ASN.1 required, up-to-date including the last two WG2 meetings in order to provide a much more complete version of RRC (TS 25.331).
- A total of about 150 CRs were submitted for approval by TSG-RAN.

Decision: The report was noted. TSG-RAN WG2 was allowed to take over TS 34.109. TSG-RAN approved TSG-RAN WG2's sending of TR 25.921 to the joint ISO/ITU ASN.1 Expert Group meeting in Geneva.

6.3.2 Discussions on decisions from TSG-RAN WG2

There were no documents for this agenda item.

6.3.3 Approval of contributions from TSG-RAN WG2

CRs to TS 25.301: Radio Interface Protocol Architecture

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000034	25.301	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.302: Services provided by the Physical Layer

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000035	25.302	3.3.0	Agreed CRs	approved	3.4.0

CRs to TS 25.303: Interlayer Procedures in Connected Mode

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000036	25.303	3.2.0	Agreed CRs	approved	3.3.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000037	25.304	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000038	25.305	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.321: MAC protocol specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000039	25.321	3.2.0	Agreed CRs	approved	3.3.0

CRs to TS 25.322: RLC Protocol Specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000040	25.322	3.1.2	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000041	25.323	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.324: Radio Interface for Broadcast/Multicast Services

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000042	25.324	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.331: RRC Protocol Specification

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000043	25.331	3.1.0	Agreed CRs (1)	approved	3.2.0
RP-000044	25.331	3.1.0	Agreed CRs (2)	approved 1)	3.2.0
RP-000045	25.331	3.1.0	Agreed CRs (3)	approved	3.2.0
RP-000046	25.331	3.1.0.	Agreed CRs (4)	approved	3.2.0
RP-000047	25.331	3.1.0	Agreed CRs (5)	approved	3.2.0

- 1) CR 164r3 was a result of the decision in the TSG-RAN Ad Hoc meeting on RRM to remove SIR. In TSG-RAN WG2, the CR was agreed conditionally to the inclusion of a specific test in TSG-RAN WG4. This test has not been specified in TSG-RAN WG4. It was clarified that TSG-RAN WG4 was actually working on this issue and expected simulation results at the next meeting. Three scenarios had been devised that were of concern to Alcatel (and operators). These three scenarios were at the moment working assumptions in TSG-RAN WG4. Andrea De Pasquale (Omnitel) commented that there is one more important scenario that needs to be checked (Check of C/I target initial transmission). With this explanation, CR 164r3 was approved.

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

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000048	25.921	3.0.0	Agreed CRs	approved	3.1.0

CRs to TR 25.922: Radio Resource Management Strategies

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000049	25.922	3.0.0	Agreed CRs	approved	3.1.0

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

Idoc	Related spec.	Current version	Title	Result	Final version
RP-000050	25.925	3.0.0	Agreed CRs	approved	3.1.0

Reports from WG2 for approval

Idoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000052 / RP-000051 (cover)	25.926	2.0.0	UE Radio Access Capabilities	approved 1)	3.0.0

- 1) The scope would be redefined based on the comment that 'allowed combinations' was not a concept that was understood the same by everyone. GSMA ISG members were requested to attend TSG-RAN WG1 and TSG-RAN WG2 meetings to provide input for the revision of 25.944 and 25.926. It was noted that though approved now, multimode aspects in reference configurations (called 'allowed combinations' at the moment) need to be checked from TSG-RAN WG1 point of view. The specific point raised was the uplink multicode transmission which is required due to TDD mode from 64 kbits/s onwards while in the FDD it is not needed until around 512 kbits/s.

6.4 TSG-RAN WG3

6.4.1 Report from TSG-RAN WG3

RP-000072 Report from WG3 chairman to TSG-RAN (TSG-RAN WG3)

This document was replaced by RP-000123.

RP-000123 Revised report from WG3 chairman to TSG-RAN (TSG-RAN WG3)

Per Willars (Chairman TSG-RAN WG3) presented this report.

Discussion:

- About 70% of the remaining Release '99 items were completed. Though progress was very good, there was a lack of contributions on some topics.
- Above 980 Tdoc numbers were already allocated this year. The risk was identified that the WG is very dependent on very few experts identifying dependencies between different specifications and functions. Increased activity from more delegates was requested to ensure the overall quality of the standard.
- Several delegates expressed concern about the large delay budget in TSG-RAN WG3 specifications. Amer El-Saigh (Vodafone Airtouch) said it was a lot larger than in GSM. Howard Benn (Motorola) wondered whether the currently specified maximum was actually useful for simulations. Francois Courau (Vice-Chairman) clarified that the figure in GSM specification 03.05 (180 ms) should not be taken as a reference as it was reached in a different way, and with some assumptions that were not very realistic. Also, he noted that in TSG-CN companies had stated they were unwilling to release figures as they were considered too sensitive. Denis Fauconnier (TSG-RAN WG2 Chairman) wondered whether it would not be more useful to make calculations based on typical figures, rather than the worst case that was currently used in the TSG-RAN WG3 specifications. Per Willars (TSG-RAN WG3 Chairman) stated that TSG-RAN WG3 had sent its report to both TSG-SA WG1 and TSG-SA WG2 for information and had not received any comments that the total delay budget was wrong. Han van Bussel (T-Mobil) suggested it would be very useful, if not necessary, to split the total delay budget between the core network and UTRAN. Yukitsuna Furuya (Chairman) would raise this issue in the Chairman's report to TSG-SA plenary.
- The issue of open items was handled in agenda item 7 (see RP-0000159).
- A total of about 280 CRs were submitted for approval by TSG-RAN.

Decision: The report was noted.

6.4.2 Discussions on decisions from TSG-RAN WG3

There were no documents for this agenda item.

6.4.3 Approval of contributions from TSG-RAN WG3

CRs to TS 25.401: UTRAN Overall Description

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000073	25.401	3.1.0	Agreed CRs	approved	3.2.0

CRs to TS 25.402: Synchronisation in UTRAN Stage 2

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000074	25.402	3.0.0	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000075	25.410	3.1.0	Agreed CRs	approved	3.2.0

CRs to TS 25.411: UTRAN Iu interface Layer 1

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000076	25.411	3.1.0	Agreed CRs	approved	3.2.0

CRs to TS 25.412: UTRAN Iu interface signalling transport

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000077	25.412	3.2.0	Agreed CRs	approved	3.3.0

CRs to TS 25.413: UTRAN Iu interface RANAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000078	25.413	3.0.0	Agreed CRs (1)	approved	3.1.0
RP-000079	25.413	3.0.0	Agreed CRs (2)	approved	3.1.0
RP-000080	25.413	3.0.0	Agreed CRs (3)	approved	3.1.0
RP-000081	25.413	3.0.0	Agreed CRs (4)	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000082	25.414	3.2.0	Agreed CRs	approved	3.3.0

CRs to TS 25.415: UTRAN Iu interface user plane protocols

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000096	25.415	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000097	25.420	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.422: UTRAN Iur interface signalling transport

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000098	25.422	3.2.0	Agreed CRs	Replaced by RP-000147	-
RP-000147	25.422	3.2.0	Agreed CRs	approved	3.3.0

CRs to TS 25.423: UTRAN Iur interface RNSAP signalling

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000099	25.423	3.0.0	Agreed CRs (1)	Replaced by RP-000143	-
RP-000143	25.423	3.0.0	Agreed CRs (1)	approved	3.1.0
RP-000100	25.423	3.0.0	Agreed CRs (2)	approved	3.1.0
RP-000101	25.423	3.0.0	Agreed CRs (3)	Replaced by RP-000146	-
RP-000146	25.423	3.0.0	Agreed CRs (3)	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000122	25.424	3.1.0	Agreed CRs	Replaced by RP-000148	-
RP-000148	25.424	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000102	25.425	3.0.0	Agreed CRs	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000103	25.426	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000104	25.427	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000105	25.430	3.0.0	Agreed CRs	approved	3.1.0

CRs to TS 25.433: NBAP specification

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000106	25.433	3.0.0	Agreed CRs (1)	Replaced by RP-000128	-
RP-000128	25.433	3.0.0	Agreed CRs (1)	approved	3.1.0
RP-000107	25.433	3.0.0	Agreed CRs (2)	approved	3.1.0
RP-000108	25.433	3.0.0	Agreed CRs (3)	approved	3.1.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000109	25.434	3.1.0	Agreed CRs	approved	3.2.0

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

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000110	25.435	3.1.0	Agreed CRs	approved	3.2.0

CRs to TS 25.442: UTRAN Implementations specific O&M transport

Tdoc	Related spec.	Current version	Title	Result	Final version
RP-000111	25.442	3.0.0	Agreed CRs	approved	3.1.0

Specifications from WG3 for approval

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000113 / RP-000112 (cover)	25.419	2.0.0 1)	UTRAN Iu Interface: Service Area Broadcast Protocol SABP	approved	3.0.0

1) There was a mistake on the cover sheet, where it says 0.0.6. This was the wrong version number as it had been agreed in TSG-RAN WG3 as version 2.0.0.

Reports from WG3 for information

Tdoc	Agreed as report	Presented as version	Title	Result	Final version
RP-000088 / RP-000087 (cover)	25.931	1.2.3	UTRAN Examples on signalling procedures	Replaced by RP-000125 / RP-000124	-
RP-000125 / RP-000124 (cover)	25.931	1.2.4	UTRAN Examples on signalling procedures	noted	1.2.4
RP-000115 / RP-000114 (cover)	30.531	0.6.0	Workplan	Replaced by RP-000142 / RP-000141	-
RP-000142 / RP-000141 (cover)	30.531	0.7.0	Workplan	noted	0.7.0

6.5 ITU Ad Hoc**RP-000152 Updating of the RSPC (ITU-R Working Party 8F)**

Nicola Pio Magnani (ITU Ad Hoc Contact Person) presented this document.

Discussion: It was not mandatory to update RSPC. Deadlines for submission if TSG-RAN would like to update, are 11 August (intent to revise RSPC for 2000 version) and 13 October (new versions of Section 5.X.1 and 5.X.2). Nicola Pio Magnani (ITU Ad Hoc Contact Person) suggested that the current contents were probably sufficient, with the possible exception of the TDD part. Yukitsuna Furuya (Chairman) suggested that the June version of the specifications would be the most suitable, if any, since the deadline was 13 October. Marc Grant (SBC) warned that the approval process in ITU might change, giving ITU-R Working Party 8F final approval rights. More about this would be known at the end of May. Akio Sasaki (ARIB) suggested that the SDOs needed to discuss this issue and co-ordinate their efforts. However, Francois Courau (Vice-Chairman) warned that PCG did not meet till July. Therefore, an LS to PCG was in order. The easiest solution was to forward RP-000152 directly to the PCG e-mail reflector.

Decision: The document was noted. The decision whether or not to provide any information was deferred to TSG-RAN #8 in June. Yukitsuna Furuya (Chairman) would forward RP-000152 to the PCG. The ITU Ad Hoc would remain dormant.

RP-000153 Report of the first meeting of ITU-R WP 8F (ITU Ad Hoc Contact Person)

Nicola Pio Magnani (ITU Ad Hoc Contact Person) presented this document.

Decision: The document was noted.

7 Remaining Tasks on Release'99

7.1 TSG-RAN WG1 Issues

The TSG-RAN WG1 issue "compressed mode with puncturing and flexible positions" was made into a work item (see RP-000158) for Release '00 and would not be in Release '99.

7.2 TSG-RAN WG2 Issues

There were no remaining issues for TSG-RAN WG2.

7.3 TSG-RAN WG3 Issues

RP-000159 Proposed handling of RAN WG3 open issues (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision:

- The following will not be in Release '99:
 - Delayed activation at RL establishment (added functionality compared to currently existing)
 - Support for TrFO on Iu
 - Triggering of the Common Transport Channel Resources Initiation procedure (selection of S CCPCH) (RNSAP)
 - U-RNTI reallocation over Iur (for common channels)
 - DL power ramping
 - Support for multiple CCTrCH of dedicated type on DL over Iur and Iub (FDD)
- The following will remain in Release '99:
 - CPCH support (NBAP)
 - Possibility to perform soft handover during an active compressed mode pattern
 - Support for positioning methods on Iur and Iub.
 - Missing support on Iur to transfer mapping between UC-id and geographical area to SRNC
 - Missing support on Iur/Iub for the RTT measurements
 - DSCH and USCH over Iur (RNSAP)
 - Completion of DL power control behaviour in Node B
 - The other open issues mentioned in the report, which are considered as essential corrections.

The corresponding Release '99 cover sheets were provided in RP-000162 through RP-000166 (see agenda item 10).

RP-000117 CR25433-068r3, Last Outstanding CR for CPCH in Release 99 (Golden Bridge Technology, Samsung, LGIC, BellSouth, SK Telecom, Southwestern Bell, Hyundai, OKI, Seiko-Epson and BOPS)

With the decision on RP-000159, this document was not necessary in the TSG-RAN plenary. The issue was for TSG-RAN WG3 to take into account at its next meeting.

7.4 TSG-RAN WG4 Issues

RP-000160 RRM Work split between WG 2, and 4 (TSG-RAN WG4 Chairman)

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

Discussion: The original request to move items from one specification to another was for the moment withdrawn. Clarification was needed. This document proposed to have a technical discussion by e-mail between interested parties.

Decision: The document was noted. An e-mail discussion would be held, on technical issues related to RRM. The Ad Hoc chairman would be Richard Burbidge (Motorola). The Ad Hoc group could produce CRs to any necessary specifications, but the agreement of these CRs would be in the existing WGs (the responsibility for the specifications remains in the existing WGs). The lifetime of the Ad Hoc group would be until the next TSG-RAN plenary meeting (#8, June).

RP-000157 Open items for Ue performance requirements (Ericsson, Nokia, Motorola, Nortel, Alcatel, Omnitel)

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

Discussion: The document was mixed Release '99 and Release '00.

- It was pointed out by Evelyne LeStrat (Nortel Networks) that it had been agreed by TSG-RAN that there should be some minimum performance requirement for the TFCI decoding for Release '99, which was missing from RP-000157. This could be done by setting some specific requirement on the TFCI decoding itself or by setting a performance requirement for the DCH decoding such that the Transport format combination set contains more than one transport format combination (e.g. DTCH+DCCH, DCH only, DCCH only).
- There was some confusion as to the purpose of the document. Peter van de Berg (Ericsson) explained that the most important section was Section 2, and that a TSG-RAN plenary decision on this section was needed. Several items may be missing in Section 3. The source companies acknowledged that the list in Section 3 was probably not a complete list.

Decision: The conclusion in Section 4 (to approve that Section 2 contained the list of open issues) of the document was approved. The corresponding Release '99 cover sheets were provided in RP-000170 through RP-000172 (see agenda item 10).

7.5 Other

RP-000085 Completion of Release '99 (BT)

Jon Harris (BT) presented this document.

Discussion: The contents of the document had in fact been covered earlier.

Decision: The document was noted.

RP-000154 On handling CPCH as a release 99 item or release 00 Item (SAMSUNG Electronics)

This document was withdrawn.

8 Release 2000

RP-000086 Objectives for Release 2000 (BT)

Jon Harris (BT) presented this document.

Decision: The document was noted. The document's contents would be discussed with Release 2000.

RP-000167 Draft Proposal for Work Item Handling in TSG RAN (TSG-RAN Chairmen)

This document was replaced by RP-000168.

RP-000168 Draft Proposal for Work Item Handling in TSG RAN (TSG-RAN Chairmen)

Francois Courau (Vice Chairman) presented this document.

Discussion: This was the preliminary result of discussion in TSG-SA. A full list of features, building blocks and work tasks as defined by TSG-SA WG2 would be submitted separately. Feedback to TSG-SA WG2 was encouraged. This did not mean that TSG-RAN was prohibited from suggesting building blocks to TSG-SA (WG2), but all building blocks would have to be submitted to TSG-SA WG2, and co-operation with that group would be needed to get a consistent architecture for Release 2000 (and beyond). TSG-RAN-suggested building blocks would need to fit into the overall architecture. The work tasks were meant to be used to split the work internally in TSG-RAN among the TSG-RAN WGs. They were internal to TSG-RAN and TSG-SA WG2 would leave TSG-RAN to define those on their own. The list provided by TSG-SA WG2 should be viewed as a first attempt, not as a rigid set of demands.

Decision: The document was noted. The starting point of Release '00 work would be the list from TSG-SA WG2. Francois Courau (Vice-Chairman) would chair an Ad Hoc group to try and draft a starting point from the TSG-RAN point of view. Key WG delegates were requested to try and derive work tasks for their WGs from the building blocks currently available. An update of the document would be in RP-000175

RP-000175 Proposal for Work Item Handling in TSG RAN (Ad Hoc on Building Blocks)

Francois Courau (Vice Chairman) presented this document.

Discussion: This was the result of the Ad Hoc group on Building Blocks who had studied the original input from TSG-SA WG2. Additions had been made from the TSG-RAN point of view. The reason why "other work" was not mentioned as a building block instead of "UTRAN improvement" was that it was too general and would tend to collect everything as part of the release. Following the chairmen's meeting, it had been clarified that to name items as "feature" did not prohibit TSG-RAN from breaking it down.

Decision: The document was agreed, with the changes made by on-the-spot editing, as a preliminary list of building blocks and features and its contents would be presented to TSG-SA. For an update, see Annex D of this report. "Out of Band Transcoder" was proposed to be deleted because it was seen as being outside TSG-RAN (solutions would not involve UTRAN). "UTRAN improvement" and "Radio Interface Improvement" were approved to be features.

RP-000176 Proposal for the Release 2000 IGCs, Features, Building Blocks and Work Tasks v.0.7 (TSG-SA WG2)

This document was for information (background information mainly for the WG chairs).

RP-000177 Proposed definitions of "Feature", "Building Block" and "Work Task" (ETSI MCC)

This document was for information (background information mainly for the WG chairs).

RP-000178 Example of project planning: Feature Provisioning of IP-based multimedia services (Siemens, TSG-SA WG2)

This document was for information (background information mainly for the WG chairs).

8.1 Status and work item/plan of WG1

RP-000089 TSG RAN WG1 draft timeplan for Year 2000 (TSG-RAN WG1 Chairman)

This document was replaced by RP-000173.

RP-000173 TSG RAN WG1 draft timeplan for Year 2000 (TSG-RAN WG1 Chairman)

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

Discussion: There was some discussion on the specific work items mentioned in the document. The work items mentioned did not have an official endorsement from WG1. Also, the specific work items needed to be revisited when it had been decided in TSG-RAN what the actually agreed work items were.

Decision: The document was revised in RP-000184.

RP-000184 TSG RAN WG1 draft timeplan for Year 2000 (TSG-RAN WG1 Chairman)

Takehiro Nakamura (TSG-RAN WG1 Vice-Chairman) presented this document.

Discussion: There was a need for some more revisions based on the discussion of the Release 2000 work items.

Decision: The document was noted.

8.2 Status and work item/plan of WG2

There was no input for this agenda item.

8.3 Status and work item/plan of WG3

There was no input for this agenda item.

8.4 Status and work item/plan of WG4

RP-000030 Proposed work item "Node B Synchronisation" (TSG-RAN WG4)

This document was withdrawn.

RP-000031 Proposed work item "Repeaters" (TSG-RAN WG4)

This document was withdrawn.

8.5 Other proposed work items

TSG-RAN agreed the following preliminary list of features/building blocks that had been allocated to TSG-RAN, elaborated by TSG-SA WG2 and then modified by TSG-RAN:

TSG-RAN agreed the features/building blocks mentioned in the classification part of the "features" document (see Annex D). For a draft version for further discussion and completion, on the classification of work items and their allocation to parent features and building blocks, see Annex E.

RP-000028 Proposed work item "low chip rate option" (CWTS)

This document was replaced by RP-000057.

RP-000057 Proposed work item "Low chip rate TDD option" (CWTS)

Guiliang Yang (CWTS) presented this document.

Discussion: This item had been approved in the last TSG-RAN plenary. It needed to be broken down into smaller work tasks. The time table was not realistic for TSG-RAN WG4. There was some concern about the objective (section 4) being at odds with the decision in TSG-RAN #6.

Decision: The document was noted. The objective would be changed to address the concern that it was at odds with the TSG-RAN #6 decision. The first sentence of the objective was changed to achieve alignment with the TSG-RAN #6 plenary minutes (RP-99835). The update was in RP-000191.

RP-000191 Proposed work item "Low chip rate TDD option" (CWTS)

Decision: The work item was approved as a feature. At least four existing building blocks were affected. More detailed work building blocks and work tasks were needed. This needed to be elaborated for the next TSG-RAN plenary meeting #8. For each building block that was identified by CWTS, with Francois Courau as Chairman on the e-mail reflector, and then approved on the reflector, the relevant WGs could start work on these issues.

RP-000182 Proposed work item "Low chip rate TDD option" (CWTS, Lucent)

This document was withdrawn.

RP-000029 Proposed work item "FDD Base station classification" (Nokia)

Antti Toskala (Nokia) presented this document.

Discussion: The document was not in the right format. There was a question on the impact on TSG-RAN WG1 documents (whether there were any if it was really a work task).

Decision: The document was noted. An update would be provided in RP-000183.

RP-000183 Proposed work item "FDD Base station classification" (Motorola, Nokia)

Howard Benn (Motorola) presented this document.

Discussion: This was a work task.

Decision: The work item was approved as a work task. There will be a building block covering both FDD and TDD. A work item for the building block was needed. Howard Benn (Motorola) provided this in RP-000186.

RP-000186 Proposed work item "Base station classification" (Nokia)

Howard Benn (Motorola) presented this document.

Discussion: The references in this document to RP-000132 should be replaced by RP-000185.

Decision: The work item was approved as building block.

RP-000132 Proposed work item "TDD Base stations classification" (InterDigital)

Steve Dick (InterDigital) presented this document.

Discussion: This document was essentially the same as RP-000029, but for TDD. Differences were mainly in style. In section 8, the ME section should be 'no'.

Decision: The work item was approved as a work task. An update of the form would be provided in RP-000185.

RP-000185 Proposed work item "TDD Base stations classification" (InterDigital)

Decision: The work item was approved as a work task.

RP-000032 Proposed work item "High speed downlink packet access" (Motorola)

Howard Benn (Motorola) presented this document.

Discussion: There were concerns that WG1 were to study this topic, which was very much related to WG2.

Decision: The work item was approved in principle. An e-mail discussion chaired by Howard Benn would be held to find out which group should start the work.

RP-000126 Details of high speed downlink packet access (Motorola)

This was a background document for information (to understand RP-000032).

RP-000053 Proposed work item "Support of Location Services in UTRA TDD" (Siemens)

Anja Klein (Siemens) presented this document.

Decision: The work item was approved. The building block needed to be created.

RP-000135 Proposed work item "Support of Location Services in UTRA FDD" (Lucent Technologies)

Ian Corden (Lucent Technologies) presented this document.

Decision: The work item was approved.

RP-000054 Proposed work item "Hybrid ARQ II/III" (Siemens)

Anja Klein (Siemens) presented this document.

Discussion: The actual work item should be a functionality, not a technical solution. It was part of radio interface enhancement. It was not a feasibility study as mentioned in the TSG-RAN WG1 time plan.

Decision: The work item was approved.

RP-000055 Proposed work item "NodeB Synchronisation for TDD" (Siemens)

Anja Klein (Siemens) presented this document.

Discussion: The term UTRAN-internal was a mistake: also UEs were meant to be included.

Decision: The work item was approved.

RP-000056 Proposed work item "DL CPCH" (GBT)

This document was replaced by RP-000150.

RP-000150 Proposed work item "DL CPCH" (GBT)

Kouros Parsa (GBT) presented this document.

Discussion: The actual work item should be a functionality, not a technical solution. It was clarified that this actually was a feature, but a better title would be "Improvement of common downlink channel for CELL_FACH state". It was part of downlink packet access enhancement. There was a discussion on the desirability to join the Motorola and GBT proposals or not. It was better not to combine the Motorola and GBT work items into one. A feasibility study was needed on this work item.

Decision: The work item was not yet approved. A feasibility study was needed. All WGs needed to have a look at it. A work item for this study item was approved as RP-000190.

RP-000190 Proposed work item "Feasibility Study for Improved Common DL Channel for Cell-FACH State" (GBT)

Decision: The work item was approved.

RP-000083 Proposed work item "UTRA Repeater Specification" (Allgon AB, Mikom GmbH)

Martin Nilsson (Allgon) presented this document.

Discussion: The decision in TSG-RAN #5 (Kyongju) on this topic was that a feasibility study would be done. A feasibility study was done in WG4 and it was found to be feasible for FDD.

Decision: The work item was approved as a building block.

RP-000084 Proposed work item "FAUSCH" (Philips)

This document was withdrawn.

RP-000116 Proposed work item "Introduction of prioritization for AAL type 2 connections over Iub and Iur interfaces" (Japan Telecom, Ericsson)

This document was replaced by RP-000134.

RP-000134 Proposed work item "Introduction of prioritization for AAL type 2 connections over Iub and Iur interfaces" (Japan Telecom, Ericsson)

Hiroshi Komatsu (Japan Telecom) presented this document.

Discussion: It might be possible to include IP also as transport protocol. However, a separate work item had already been agreed on that issue (TSG-RAN #6, Nice) and perhaps it was better to keep the items separate.

Decision: The work item was approved as work task. The title would be modified slightly. An update was provided in RP-000188.

RP-000188 Proposed work item " QoS optimization for AAL type 2 connections over Iub and Iur interfaces " (Japan Telecom, Ericsson)

Decision: The work item was approved as work task. An update was provided in RP-000188.

RP-000121 Proposed work item "Gated DPCCH Transmission" (Samsung)

This document was replaced by RP-000155.

RP-000155 Proposed work item "UE battery saving and UL/DL interference reduction functionality using Gated DPCCH Transmission" (Samsung)

Seong Ill Park (Samsung) presented this document.

Discussion: The actual work item should be a functionality, not a technical solution. It is true that the first part of the title describes a feature, but the last part describes a solution. It was suggested to use the title "Terminal power saving features".

Decision: The document was revised by RP-000187.

RP-000187 Proposed work item "Terminal power saving features" (Samsung)

Discussion: The time plan was unrealistic.

Decision: On the understanding that the time plan was changed (to be shifted to TSG-RAN plenary #9), the work item was approved. The update was in RP-000189.

RP-000189 Proposed work item "Terminal power saving features" (Samsung)

Decision: The work item was approved.

RP-000127 Proposed work item "Handover for real-time services from PS-Domain" (Nokia)

Pertti Lukander (Nokia) presented this document.

Discussion: There were no supporting companies indicated. BT, GBT and Motorola indicated support.

Decision: The work item was approved as a building block.

RP-000137 Proposed work item "RAB Quality of Service Negotiation over Iu" (Ericsson)

Per Beming (Ericsson) presented this document.

Decision: The work item was approved.

RP-000138 Proposed work item "RRM optimizations" (Ericsson)

Per Beming (Ericsson) presented this document.

Discussion: The title should be "RRM optimizations for Iur and Iub". Some of the open issues mentioned were open when the contribution was written, but were now solved.

Decision: The work item was approved.

RP-000139 Proposed work item "USTS" (SK Telecom)

Young Lak Kim (SK Telecom) presented this document.

Discussion: The actual work item should be a functionality, not a technical solution. The item was not clear to WG2 and WG3. It was proposed to approve a study item.

Decision: The work item was not approved. A study item was approved to study USTS for WG1, WG2 and WG3.

RP-000140 Proposed work item "Radio access bearer support enhancement" (Ericsson)

Per Beming (Ericsson) presented this document.

Decision: The work item was approved.

RP-000158 Proposed work item "Compressed mode improvements" (Nokia)

This document was replaced by RP-000180.

RP-000180 Proposed work item "Compressed mode enhancements" (Nokia)

Evelyne LeStrat (Nortel Networks) presented this document.

Discussion: Howard Benn (TSG-RAN WG4 Chairman) requested that WG4 be closely involved. There was a request to change the title to "Improvement of interfrequency and intersystem measurement".

Decision: The work item was approved.

RP-000161 Proposed work item "Radio link performance enhancements" (Nokia)

This document was replaced by RP-000181.

RP-000181 Proposed work item "Radio link performance enhancements" (Nokia)

Richard Burbidge (Motorola) presented this document.

Discussion: There was a request for information to be provided offline. It was pointed out that minimum performance requirements needed to be completed, but this was an independent issue. It was proposed to approve a study item on this topic (candidate technology for radio link performance enhancements).

Decision: The work item was not approved. A study item was approved to study candidate technologies for radio link performance enhancements.

RP-000169 Proposed work item "Support of Multiple CCTrCH in downlink (FDD)" (Nortel Networks)

Evelyne LeStrat (Nortel Networks) presented this document.

Discussion: The actual work item should be a functionality, not a technical solution. It was clarified that there was a misalignment that needed to be solved.

Decision: The work item was approved as work item.

9 Technical co-ordination among WGs

Technical discussions in TSG-RAN, if necessary, would be held as an Ad Hoc related to the main meeting (probably the day before). On the specific topic of methodology no immediate problem had been reached, but WG1 and WG2 would have a small Ad Hoc in the next (colocated) WG meeting.

10 Output to other groups

These were the R99 Cover Sheets which would be presented to TSG-SA. The expected completion date for all R99 Cover Sheets from TSG-RAN WG3 should be June 2000. These would be collected by Hans van der Veen (Secretary) in an input document from TSG-RAN to TSG-SA (SP-000145). The unfinished items that would not be in R99 from the point of view of TSG-RAN would be in (SP-000146).

RP-000162 R99 Cover Sheet "Support of soft handover during active compressed mode pattern" (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision: The document was approved.

RP-000163 R99 Cover Sheet "CPCH" (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision: The document was approved.

RP-000164 R99 Cover Sheet "Completion of DL power control behaviour in Node B" (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision: The document was approved.

RP-000165 R99 Cover Sheet "Support for cell- and RTT-based positioning on Iur/Iub" (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision: The document was approved.

RP-000166 R99 Cover Sheet "DSCH and USCH on Iur" (TSG-RAN WG3 Chairman)

Per Willars (TSG-RAN WG3 Chairman) presented this document.

Decision: The document was approved.

RP-000170 R99 Cover Sheet "Performance specifications" (TSG-RAN WG4 Chairman)

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

Decision: The document was approved.

RP-000171 R99 Cover Sheet "RRM performance specifications" (TSG-RAN WG4 Chairman)

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

Decision: The document was approved.

RP-000172 R99 Cover Sheet "Power Control" (TSG-RAN WG4 Chairman)

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

Discussion: The consequence needed to be made stronger. "UE power control behaviour cannot be tested properly".

Decision: With this change, the document was approved. The update was in RP-000174.

RP-000174 R99 Cover Sheet "Power Control" (TSG-RAN WG4 Chairman)

Decision: The document was approved.

11 Project management

RP-000131 Creation of Release 2000 Specifications for Decision (MCC)

Hans van der Veen (Secretary) presented this document.

Discussion: This document explained how to create Release 2000 versions. Section 2.2 was controversial. Two opinions were voiced. Francois Courau (Vice Chairman) said it was easier if no change was made at the end of the year if there were no CRs for Release 2000, because all manufacturers were forced to check each new version, even if there had been no change. He gave the example that there had been problems in SMG when changing word processor (nesting was lost in that particular change, making everything applicable to everything instead of some things to some things). Andrew Bell (NEC Technologies) said it was easier if it were changed to version 4.0.0, because then it was clear that it was still a valid Release 2000 specification. Denis Fauconnier (Vice Chairman TSG-RAN WG2) agreed with this and said it was a good way to force a check of the validity of each specification for. Francois Courau (Vice Chairman) suggested that the former problem could be solved by producing a list of valid TSs for each release after each TSG meeting. He also said that the WG should actually explicitly decide to move a specification to Release 2000. It was the automatism that was of concern.

Decision: The document was approved, with the exception of Section 2.2. If other TSGs did not agree on Section 2.1, the problem would be solved in TSG-SA. An update of Section 2.2. would be provided by a small Ad hoc group.

RP-000179 Creation of Release 2000 Specifications for Decision (Ad Hoc group on R2000 creation)

Francois Courau (Vice Chairman) presented this document.

Decision: The document was approved, with the addition of a sentence on the handling of existing specifications that should not be part of a new release because they have become obsolete. WGs need to take a decision (as soon as possible) on every document of a particular release and decide explicitly whether it is still valid in the next release. TSG-RAN would need to endorse that decision and the decision should be visible to other TSGs because they may refer to it. The document was revised online. The changes were captured in RP-000192.

RP-000192 Revised proposal for creation of Release 2000 specifications (TSG-RAN)

Decision: The document was approved and would be provided to TSG-SA (as SP-000147).

12 Any Other Business

RP-000118 CPCH (GBT, OKI, BellSouth, Seiko-Epson)

This document did not need to be treated at this meeting.

RP-000136 On handling LCS support in UTRAN FDD for Release 2000 (Lucent Technologies)

Ian Corden (Lucent Technologies) presented this document.

Discussion: The request was to have a permanent Ad Hoc meeting on LCS. Denis Fauconnier (TSG-RAN WG2 Chairman) requested that an Ad Hoc not be given authority to agree CRs. The CRs needed to be agreed by the WGs instead. Per Willars (TSG-RAN WG3 Chairman) agreed with this. There were objections to having a permanent Ad Hoc meeting, but no objections to have Ad Hoc meetings on demand.

Decision: The document was noted. There was currently no need for an Ad Hoc meeting.

13 Closing of meeting

For future meetings, see Annex F.

Yukitsuna Furuya (Chairman) thanked the host for the facilities and the delegates for their active participation.

Annex A: List of delegates

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Annex B: List of documents

Doc.No.	Title	Source	Ag.It.	Comments
RP-000001	Proposed agenda	Chairman	2	
RP-000002	Draft Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999)	Secretary	3.1	
RP-000003	Revised draft Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999)	Secretary	3.1	
RP-000004	Approved Report of the 6th TSG-RAN meeting (Nice, France, 13-15 December 1999)	Secretary	3.1	
RP-000005	(RPA000064) Approved Report of the TSG-RAN Ad Hoc meeting on RRM (Torino, Italy, 9-11 February 2000)	Secretary	3.1	
RP-000006	(R2-000666, copy TSG-RAN) LS on UE radio access capabilities and relation to conformance testing	TSG-RAN WG2	4.1	
RP-000007	(R2-000669, to TSG-RAN) LS on Harmonization of methodology for TSG-RAN WGs	TSG-RAN WG2	4.1	
RP-000008	(R3-000399, to TSG-RAN) Response to LS (S5-99205) and LS (S5-000046) on RAN -WG3 Document I3.05	TSG-RAN WG3	4.1	
RP-000009	(R4-99A22, copy TSG-RAN) LS on Handover signalling robustness	TSG-RAN WG4	4.1	
RP-000010	(S5-000046, to TSG-RAN) LS on RAN -WG3 Document I3.05	TSG-SA WG5	4.1	
RP-000011	(2-00-462, copy TSG-RAN) LS on Twinkling replacement antennas	SMG2	4.2	
RP-000012	3GPP2 DS41	3GPP2	4.2	
RP-000013	3GPP2 MCMAP	3GPP2	4.2	
RP-000014	Report from WG4 chairman to TSG-RAN	TSG-RAN WG4 Chairman	6.2.1	RP-000133
RP-000015	CRs to TS 25.101	TSG-RAN WG4	6.2.3	
RP-000016	CRs to TS 25.102	TSG-RAN WG4	6.2.3	
RP-000017	CRs to TS 25.104	TSG-RAN WG4	6.2.3	
RP-000018	CRs to TS 25.105	TSG-RAN WG4	6.2.3	
RP-000019	CRs to TS 25.113	TSG-RAN WG4	6.2.3	
RP-000020	CRs to TS 25.123	TSG-RAN WG4	6.2.3	
RP-000021	CRs to TS 25.133	TSG-RAN WG4	6.2.3	
RP-000022	CRs to TS 25.141	TSG-RAN WG4	6.2.3	
RP-000023	CRs to TS 25.142	TSG-RAN WG4	6.2.3	
RP-000024	Cover sheet for TR 25.942	TSG-RAN WG4	6.2.3	
RP-000025	TR 25.942 version 2.1.3	TSG-RAN WG4	6.2.3	
RP-000026	Cover sheet for TR 25.943	TSG-RAN WG4	6.2.3	
RP-000027	TR 25.943 version 2.0.0	TSG-RAN WG4	6.2.3	
RP-000028	Proposed work item "low chip rate option"	CWTS	8	RP-000057
RP-000029	Proposed work item "FDD base station classification"	Nokia	8	RP-000183
RP-000030	Proposed work item "Node B Synchronisation"	TSG-RAN WG4	8.4	withdrawn
RP-000031	Proposed work item "Repeaters"	TSG-RAN WG4	8.4	withdrawn
RP-000032	Proposed work item "High speed downlink packet access"	Motorola	8	
RP-000033	Report from WG2 chairman to TSG-RAN	TSG-RAN WG2 Chairman	6.3.1	
RP-000034	CRs to TS 25.301	TSG-RAN WG2	6.3.3	
RP-000035	CRs to TS 25.302	TSG-RAN WG2	6.3.3	
RP-000036	CRs to TS 25.303	TSG-RAN WG2	6.3.3	
RP-000037	CRs to TS 25.304	TSG-RAN WG2	6.3.3	
RP-000038	CRs to TS 25.305	TSG-RAN WG2	6.3.3	
RP-000039	CRs to TS 25.321	TSG-RAN WG2	6.3.3	
RP-000040	CRs to TS 25.322	TSG-RAN WG2	6.3.3	
RP-000041	CRs to TS 25.323	TSG-RAN WG2	6.3.3	

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Doc.No.	Title	Source	Ag.It.	Comments
RP-000042	CRs to TS 25.324	TSG-RAN WG2	6.3.3	
RP-000043	CRs to TS 25.331 (1)	TSG-RAN WG2	6.3.3	
RP-000044	CRs to TS 25.331 (2)	TSG-RAN WG2	6.3.3	
RP-000045	CRs to TS 25.331 (3)	TSG-RAN WG2	6.3.3	
RP-000046	CRs to TS 25.331 (4)	TSG-RAN WG2	6.3.3	
RP-000047	CRs to TS 25.331 (5)	TSG-RAN WG2	6.3.3	
RP-000048	CRs to TR 25.921	TSG-RAN WG2	6.3.3	
RP-000049	CRs to TR 25.922	TSG-RAN WG2	6.3.3	
RP-000050	CRs to TR 25.925	TSG-RAN WG2	6.3.3	
RP-000051	Cover sheet for TR 25.926	TSG-RAN WG2	6.3.3	
RP-000052	TR 25.926 "UE capabilities" version 2.0.0	TSG-RAN WG2	6.3.3	
RP-000053	Proposed work item "Support of Location Services in UTRA TDD"	Siemens	8	
RP-000054	Proposed work item "Hybrid ARQ II/III"	Siemens	8	
RP-000055	Proposed work item "NodeB Synchronisation for TDD"	Siemens	8	
RP-000056	Proposed work item "DL CPCH"	GBI	8	RP-000150
RP-000057	Proposed work item "Low chip rate TDD option"	CWTS	8	RP-000191
RP-000058	Report from WG1 chairman to TSG-RAN	TSG-RAN WG1 Chairman	6.1.1	
RP-000059	CRs to TS 25.201	TSG-RAN WG1	6.1.3	
RP-000060	CRs to TS 25.211	TSG-RAN WG1	6.1.3	
RP-000061	CRs to TS 25.212 (1)	TSG-RAN WG1	6.1.3	
RP-000062	CRs to TS 25.212 (2)	TSG-RAN WG1	6.1.3	
RP-000063	CRs to TS 25.213	TSG-RAN WG1	6.1.3	
RP-000064	CRs to TS 25.214 (1)	TSG-RAN WG1	6.1.3	
RP-000065	CRs to TS 25.214 (2)	TSG-RAN WG1	6.1.3	
RP-000066	CRs to TS 25.215	TSG-RAN WG1	6.1.3	
RP-000067	CRs to TS 25.221	TSG-RAN WG1	6.1.3	
RP-000068	CRs to TS 25.222	TSG-RAN WG1	6.1.3	
RP-000069	CRs to TS 25.223	TSG-RAN WG1	6.1.3	
RP-000070	CRs to TS 25.224	TSG-RAN WG1	6.1.3	
RP-000071	CRs to TS 25.225	TSG-RAN WG1	6.1.3	
RP-000072	Report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	6.4.1	RP-000123
RP-000073	CRs to TS 25.401	TSG-RAN WG3	6.4.3	
RP-000074	CRs to TS 25.402	TSG-RAN WG3	6.4.3	
RP-000075	CRs to TS 25.410	TSG-RAN WG3	6.4.3	
RP-000076	CRs to TS 25.411	TSG-RAN WG3	6.4.3	
RP-000077	CRs to TS 25.412	TSG-RAN WG3	6.4.3	
RP-000078	CRs to TS 25.413 (1)	TSG-RAN WG3	6.4.3	
RP-000079	CRs to TS 25.413 (2)	TSG-RAN WG3	6.4.3	
RP-000080	CRs to TS 25.413 (3)	TSG-RAN WG3	6.4.3	
RP-000081	CRs to TS 25.413 (4)	TSG-RAN WG3	6.4.3	
RP-000082	CRs to TS 25.414	TSG-RAN WG3	6.4.3	
RP-000083	Proposed work item "UTRA Repeater Specification"	Allgon AB, Mikom GmbH	8	
RP-000084	Proposed work item "FAUSCH"	Philips	8	
RP-000085	Completion of Release '99	BT	7	
RP-000086	Objectives for Release 2000	BT	8	
RP-000087	Cover sheet for TR 25.931	TSG-RAN WG3	6.4.3	RP-000124
RP-000088	TR 25.931 "UTRAN Examples on signalling procedures" version 1.2.3	TSG-RAN WG3	6.4.3	RP-000125
RP-000089	TSG RAN WG1 draft timeplan for Year 2000	TSG-RAN WG1 Chairman	8.1	
RP-000090	Cover sheet for TR 25.928	TSG-RAN WG1	6.1.3	

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RP-000091	TR 25.928 version 0.0.2	TSG-RAN WG1	6.1.3	
RP-000092	Cover sheet for TR 25.944	TSG-RAN WG1	6.1.3	
RP-000093	TR 25.944 version 1.0.1	TSG-RAN WG1	6.1.3	
RP-000094	GSMA ISG activity on Typical Radio Parameter sets	GSMA ISG	4.2	RP-000129
RP-000095	Typical Radio Parameter Sets Document submission	GSMA ISG	4.2	RP-000130
RP-000096	CRs to TS 25.415	TSG-RAN WG3	6.4.3	
RP-000097	CRs to TS 25.420	TSG-RAN WG3	6.4.3	
RP-000098	CRs to TS 25.422	TSG-RAN WG3	6.4.3	RP-000147
RP-000099	CRs to TS 25.423 (1)	TSG-RAN WG3	6.4.3	RP-000143
RP-000100	CRs to TS 25.423 (2)	TSG-RAN WG3	6.4.3	
RP-000101	CRs to TS 25.423 (3)	TSG-RAN WG3	6.4.3	RP-000146
RP-000102	CRs to TS 25.425	TSG-RAN WG3	6.4.3	
RP-000103	CRs to TS 25.426	TSG-RAN WG3	6.4.3	
RP-000104	CRs to TS 25.427	TSG-RAN WG3	6.4.3	
RP-000105	CRs to TS 25.430	TSG-RAN WG3	6.4.3	
RP-000106	CRs to TS 25.433 (1)	TSG-RAN WG3	6.4.3	RP-000128
RP-000107	CRs to TS 25.433 (2)	TSG-RAN WG3	6.4.3	
RP-000108	CRs to TS 25.433 (3)	TSG-RAN WG3	6.4.3	
RP-000109	CRs to TS 25.434	TSG-RAN WG3	6.4.3	
RP-000110	CRs to TS 25.435	TSG-RAN WG3	6.4.3	
RP-000111	CRs to TS 25.442	TSG-RAN WG3	6.4.3	
RP-000112	Coversheet for TS 25.419	TSG-RAN WG3	6.4.3	
RP-000113	TS 25.419 version 2.0.0	TSG-RAN WG3	6.4.3	
RP-000114	Coversheet for TR 30.531	TSG-RAN WG3	6.4.3	RP-000141
RP-000115	TR 30.531 version 0.6.0	TSG-RAN WG3	6.4.3	RP-000142
RP-000116	Proposed work item "Introduction of prioritization for AAL type 2 connections over lub and lur interfaces"	Japan Telecom, Ericsson	8	RP-000134
RP-000117	CR25433-068r3, Last Outstanding CR for CPCH in Release 99	Golden Bridge Technology, Samsung, LGIC, BellSouth, SK Telecom, Southwestern Bell, Hyundai, OKI, Seiko-Epson and BOPS	6.4.1	
RP-000118	CPCH	GBT, OKI, BellSouth, Seiko-Epson	7	
RP-000119	(AIP000042) 3GPP "All-IP" vision (Powerpoint presentation)	TSG-SA Chairman	4.1	
RP-000120	(AIP000043) Draft Report of the All-IP Workshop, version 0.0.2	TSG-SA Secretary	4.1	
RP-000121	Proposed work item "Gated DPCCCH Transmission"	Samsung	8	
RP-000122	CRs to TS 25.424	TSG-RAN WG3	6.4.3	RP-000148
RP-000123	Revised report from WG3 chairman to TSG-RAN	TSG-RAN WG3 Chairman	6.4.1	
RP-000124	Cover sheet for TR 25.931	TSG-RAN WG3	6.4.3	
RP-000125	TR 25.931 "UTRAN Examples on signalling procedures" version 1.2.4	TSG-RAN WG3	6.4.3	
RP-000126	Details of high speed downlink packet access	Motorola	8	
RP-000127	Proposed work item "Handover for real-time services from PS-Domain"	Nokia	8	
RP-000128	CRs to TS 25.433 (1)	TSG-RAN WG3	6.4.3	
RP-000129	GSMA ISG activity on Typical Radio Parameter sets	GSMA ISG	4.2	
RP-000130	Typical Radio Parameter Sets Document submission	GSMA ISG	4.2	
RP-000131	Creation of Release 2000 Specifications for Decision	MCC	11	
RP-000132	Proposed work item "TDD Base stations clarifications"	Interdigital	8	RP-000185
RP-000133	Report from WG4 chairman to TSG-RAN	TSG-RAN WG4 Chairman	6.2.1	RP-000145

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RP-000134	Proposed work item "Introduction of prioritization for AAL type 2 connections over Iur and Iu interfaces"	Japan Telecom, Ericsson	8	RP-000188
RP-000135	Proposed work item "Support of Location Services in UTRA FDD"	Lucent Technologies	8	
RP-000136	On handling Location Services support in UTRAN FDD for Release 2000	Lucent Technologies	12	
RP-000137	Proposed work item "RAB Quality of Service Negotiation over Iur"	Ericsson	8	
RP-000138	Proposed work item "RRM optimizations"	Ericsson	8	
RP-000139	Proposed work item "USTS"	SK Telecom	8	
RP-000140	Proposed work item "Radio access bearer support enhancement"	Ericsson	8	
RP-000141	Coversheet for TR 30.531	TSG-RAN WG3	6.4.3	
RP-000142	TR 30.531 version 0.7.0	TSG-RAN WG3	6.4.3	
RP-000143	CRs to TS 25.423 (1)	TSG-RAN WG3	6.4.3	
RP-000144	CR 039 to TS 25.104	TSG-RAN WG4	6.2.3	
RP-000145	Report from WG4 chairman to TSG-RAN	TSG-RAN WG4 Chairman	6.2.1	
RP-000146	CRs to TS 25.423 (3)	TSG-RAN WG3	6.4.3	
RP-000147	CRs to TS 25.422	TSG-RAN WG3	6.4.3	
RP-000148	CRs to TS 25.424	TSG-RAN WG3	6.4.3	
RP-000149	CR 005r1 to TS 25.133	TSG-RAN WG4	6.2.3	
RP-000150	Proposed work item "DL CPCH"	GBI	8	
RP-000151	TR 25.928 version 0.0.3	TSG-RAN WG1	6.1.3	RP-000156
RP-000152	LS from ITU-R WP8F on the updating of RSPC	ITU-R Ad Hoc Contact Person	6.5	
RP-000153	Report of the first meeting of the ITU-R WP8F	ITU-R Ad Hoc Contact Person	6.5	
RP-000154	On handling CPCH as a release 99 item or release 00 item	Samsung	7	withdrawn
RP-000155	Proposed work item "UE battery saving and UL/DL Interference reduction functionality using gated DPCCCH transmission"	Samsung	8	RP-000187
RP-000156	TR 25.928 version 0.0.3	TSG-RAN WG1	6.1.3	
RP-000157	Open items for Ue performance requirements	Ericsson, Nokia, Motorola	7	
RP-000158	Proposed work item "Compressed mode improvements"	Nokia	8	RP-000180
RP-000159	Proposed handling of RAN WG3 open issues	TSG-RAN WG3 Chairman	7	
RP-000160	RRM work split between WG2, WG4	TSG-RAN WG4 Chairman	7	
RP-000161	Proposed work item "Radio link performance enhancements"	Nokia	8	RP-000181
RP-000162	R99 Cover Sheet "Support of soft handover during active compressed mode pattern"	TSG-RAN WG3 Chairman	10	
RP-000163	R99 Cover Sheet "CPCH"	TSG-RAN WG3 Chairman	10	
RP-000164	R99 Cover Sheet "Completion of DL power control behaviour in Node B"	TSG-RAN WG3 Chairman	10	
RP-000165	R99 Cover Sheet "Support for cell- and RTT-based positioning on Iur/Iub"	TSG-RAN WG3 Chairman	10	
RP-000166	R99 Cover Sheet "DSCH and USCH on Iur"	TSG-RAN WG3 Chairman	10	
RP-000167	Draft Proposal for Work Item Handling in TSG RAN	TSG-RAN Chairmen	8	RP-000168
RP-000168	Draft Proposal for Work Item Handling in TSG RAN	TSG-RAN Chairmen	8	RP-000175
RP-000169	Proposed work item "Support of Multiple CCTRCH in Downlink FDD"	Nortel Networks	8	
RP-000170	R99 Cover Sheet "Performance specifications"	TSG-RAN WG4 Chairman	10	
RP-000171	R99 Cover Sheet "RRM performance specifications"	TSG-RAN WG4 Chairman	10	
RP-000172	R99 Cover Sheet "Power control"	TSG-RAN WG4 Chairman	10	RP-000174
RP-000173	Revised TSG RAN WG1 time plan for Year 2000	TSG-RAN WG1	6.1.1	RP-000184

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		Chairman		
RP-000174	R99 Cover Sheet "Power control"	TSG-RAN WG4 Chairman	10	
RP-000175	Proposal for Work Item Handling in TSG RAN	RAN drafting group	8	
RP-000176	Proposal for the Release 2000 IGCs, Features, Building Blocks and Work Tasks v.0.7	TSG SA WG2 Intergroup coordination chair persons ad-hoc meeting	8	
RP-000177	Proposed definitions of "Feature", "Building Block" and "Work Task"	ETSI MCC	8	
RP-000178	Example of project planning: Feature Provisioning of IP-based multimedia services	Siemens, TSG-SA WG2	8	
RP-000179	Revised proposal for creation of release 2000 SPEC	Release 2000 Drafting Group	11	RP-000192
RP-000180	Proposed work item "Compressed mode improvements"	Nokia	8	
RP-000181	Proposed work item "Radio link performance enhancements"	Nokia	8	
RP-000182	Proposed work item "Low chip rate TDD option"	Lucent Technologies, CWTS	8	withdrawn
RP-000183	Proposed work item "FDD base station classification"	Motorola, Nokia	8	
RP-000184	Revised TSG RAN WG1 time plan for Year 2000	TSG-RAN WG1 Chairman	6.1.1	
RP-000185	Proposed work item "TDD Base stations clarifications"	Interdigital	8	
RP-000186	Proposed work item "BS Classification building block"	Motorola	8	
RP-000187	Proposed work item "Terminal power saving features"	Samsung	8	RP-000189
RP-000188	Proposed work item "QoS optimization for AAL type 2 connections over Iub and Iur interfaces"	Japan Telecom, Ericsson	8	
RP-000189	Proposed work item "Terminal power saving features"	Samsung	8	
RP-000190	Proposed work item "Feasibility Study for Improved Common DL Channel for Cell-FACH State"	GBT	8	
RP-000191	Proposed work item "Low chip rate TDD option"	CWTS	8	
RP-000192	Revised proposal for creation of Release 2000 specifications	TSG-RAN	11	

Annex C: Status table of CRs

Status of all Change Requests after TSG-RAN meeting #06 (13-15 March 2000)

This following list contains the status of all 3G Change Requests (CRs) that have been presented to TSG-RAN during TSG-RAN #07.

CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.101 : UE Radio transmission and reception (FDD)								3.1.0	3.2.0
020		F	RP-000015	R4-000059	approved	R4	Clarifications to measurement channels		
021		D	RP-000015	R4-000103	approved	R4	Power measurement definitions for wanted signal		
022		F	RP-000015	R4-000096	approved	R4	Change of propagation conditions for Case 2		
023		D	RP-000015	R4-000191	approved	R4	Editorial corrections		
024		F	RP-000015	R4-000163	approved	R4	Birth-Death tap delays		
025		C	RP-000015	R4-000141	approved	R4	Out-of-synchronisation handling of the UE		
026		F	RP-000015	R4-000195	approved	R4	UE Modulation performance requirements		
027		F	RP-000015	R4-000281	approved	R4	Measurement channel for UE PCDE test		
028		F	RP-000015	R4-000204	approved	R4	CR for performance requirement of BTFD		
029		B	RP-000015	R4-000251	approved	R4	CPCH		
030		D	RP-000015	R4-000239	approved	R4	Clarification of ACLR		
031		F	RP-000015	R4-000269	approved	R4	Correction for reference measurement channel in TS		
032		F	RP-000015	R4-000276	approved	R4	Modifications to requirements for power control		
033		F	RP-000015	R4-000306	approved	R4	Performance requirement		
034		F	RP-000015	R4-000293	approved	R4	Power Control in downlink, constant BLER target		
035		F	RP-000015	R4-000271	approved	R4	UE Minimum TX power change		
036		F	RP-000015	R4-000280	approved	R4	Performance requirements for demodulation of DCH		
037		F	RP-000015	R4-000302	approved	R4	Reference compressed mode patterns		
038		F	RP-000015	R4-000292	approved	R4	384kbps measurement channel is replaced with		
039		F	RP-000015	R4-000291	approved	R4	Modification to the handling of measurement		
25.102 : UE Radio transmission and reception (TDD)								3.1.0	3.2.0
015		D	RP-000016	R4-000040	approved	R4	Description of Signal Levels for Receiver		
016		D	RP-000016	R4-000108	approved	R4	Editorial corrections		
017		F	RP-000016	R4-000110	approved	R4	Spurious emission correction		
018		C	RP-000016	R4-000193	approved	R4	Performance requirement for base station transmit		
019		F	RP-000016	R4-000221	approved	R4	Corrections for UE TDD Blocking Requirements		
020		F	RP-000016	R4-000268	approved	R4	Correction to the UL power control "differential		
021		F	RP-000016	R4-000257	approved	R4	Clarification of ACLR		
022		C	RP-000016	R4-000134	approved	R4	Clock Accuracy		
023		C	RP-000016	R4-000147	approved	R4	Peak Code Domain Error		
024		C	RP-000016	R4-000275	approved	R4	Modulation Accuracy		
025		C	RP-000016	R4-000321	approved	R4	Out-of-synchronisation handling of the UE in TS		
25.104 : UTRA (BS) FDD; Radio transmission and reception								3.1.0	3.2.0
022		F	RP-000017	R4-000030	approved	R4	Clarification of Receiver Dynamic Range		
023		F	RP-000017	R4-000096	approved	R4	Change of propagation conditions for Case 2		
024		F	RP-000017	R4-000019	approved	R4	Removal of chapter 6.6.2.3 in 25.104		
025		D	RP-000017	R4-000086	approved	R4	Editorial changes to 25.104		
026		F	RP-000017	R4-000101	approved	R4	Corrections of spurious emissions aligning to GSM		
027	1	D	RP-000017	R4-000299	approved	R4	Regional requirements in TS 25.104		
028		F	RP-000017	R4-000137	approved	R4	Specifications applicable in case of use of RF		
029		F	RP-000017	R4-000186	approved	R4	Clarification for maximum output power and rated		
030		F	RP-000017	R4-000215	approved	R4	UL Performance requirement in multipath case 3		
031		D	RP-000017	R4-000258	approved	R4	ACLR		
032		F	RP-000017	R4-000254	approved	R4	Spectrum emission mask		
033		F	RP-000017	R4-000130	approved	R4	Rx spurious emissions measurement bandwidth		
034		D	RP-000017	R4-000245	approved	R4	Clarification for Peak code domain error		
035		F	RP-000017	R4-000026	approved	R4	Corrections for BS FDD Modulation Accuracy		
036		F	RP-000017	R4-000291	approved	R4	Modification to the handling of measurement		
037		D	RP-000017	R4-000181	approved	R4	Update to downlink test models		
038		F	RP-000017	R4-000163	approved	R4	Birth-Death tap delays		
039		F	RP-000144		approved	R4	Data clock accuracy		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.105 : UTRA (BS) TDD: Radio transmission and reception								3.1.0	3.2.0
019	1	F	RP-000018	R4-000283	approved	R4	BS TDD Spurious Emission Requirements for		
020		F	RP-000018	R4-000088	approved	R4	Revised Spurious Emission Requirements		
021		F	RP-000018	R4-000100	approved	R4	Corrections of spurious emissions aligning to GSM		
022		D	RP-000018	R4-000109	approved	R4	Editorial corrections		
023		F	RP-000018	R4-000111	approved	R4	Spurious emission correction		
024		F	RP-000018	R4-000112	approved	R4	Protection outside a licensee's frequency block		
025		F	RP-000018	R4-000199	approved	R4	Definition of Rated Output Power and Pmax		
026		F	RP-000018	R4-000200	approved	R4	Primary CCPCCH Power		
027		F	RP-000018	R4-000216	approved	R4	BS Transmit OFF power		
028		F	RP-000018	R4-000223	approved	R4	Corrected reference sensitivity value for the TDD		
029		F	RP-000018	R4-000259	approved	R4	ACLR		
030		F	RP-000018	R4-000255	approved	R4	Spectrum emission mask		
031		C	RP-000018	R4-000135	approved	R4	Clock Accuracy		
25.113 : Base station EMC								3.0.0	3.1.0
001		F	RP-000019	R4-000025	approved	R4	Corrections to TS 25.113		
002		F	RP-000019	R4-000058	approved	R4	Definitions for TS 25.113		
003		F	RP-000019	R4-000129	approved	R4	Corrections and additions to TS 25.113		
25.123 : Requirements for support of radio resource management (TDD)								3.0.0	3.1.0
001		F	RP-000020	R4-000154	approved	R4	Update of test requirements for TDD/TDD		
002		C	RP-000020	R4-000156	approved	R4	Update of the requirements for TDD/FDD Handover		
003		C	RP-000020	R4-000310	approved	R4	Update of Cell Selection and Re-selection sections		
004		F	RP-000020	R4-000311	approved	R4	Update of Power management and Radio Link		
005		F	RP-000020	R4-000312	approved	R4	Update of measurements performance requirements		
006		F	RP-000020	R4-000315	approved	R4	Inclusion of transport channel BER		
007		F	RP-000020	R4-000282	approved	R4	Receiver Timing Advance		
25.133 : Requirements for support of radio resource management (FDD)								3.0.0	3.1.0
001		F	RP-000021	R4-000142	approved	R4	Modification of RL Failure Requirement		
002		C	RP-000021	R4-000303	approved	R4	Idle Mode Tasks		
003		F	RP-000021	R4-000317	approved	R4	Revised UE handover requirements		
004		D	RP-000021	R4-000304	approved	R4	Editorial corrections		
005		F	RP-000021	R4-000305	revised	R4	UE measurement requirement update		
005	1	F	RP-000149		approved	R4	UE measurement requirement update		
006		B	RP-000021	R4-000313	approved	R4	TDD Measurements Performance Requirements for		
007		F	RP-000021	R4-000308	approved	R4	UTRAN measurement requirement update		
008		F	RP-000021	R4-000309	approved	R4	Requirements on parallel measurements		
009		F	RP-000021	R4-000314	approved	R4	Inclusion on transport channel BER.		
25.141 : Base station conformance testing (FDD)								3.0.0	3.1.0
001		F	RP-000022	R4-000030	approved	R4	Clarification of Receiver Dynamic Range		
002		D	RP-000022	R4-000062	approved	R4	Editorial changes		
003		F	RP-000022	R4-000067	approved	R4	Occupied bandwidth measurement		
004		F	RP-000022	R4-000070	approved	R4	Clarification of "random" in relation to injected bit		
005		B	RP-000022	R4-000080	approved	R4	Test Models for transmitter		
006	1	D	RP-000022	R4-000299	approved	R4	Regional requirements in TS 25.104		
007		F	RP-000022	R4-000095	approved	R4	Blocking test		
008		F	RP-000022	R4-000093	approved	R4	ACLR measurement		
009		F	RP-000022	R4-000094	approved	R4	Peak code domain error measurement		
010		F	RP-000022	R4-000137	approved	R4	Clarification on the test point and the set of		
011		F	RP-000022	R4-000295	approved	R4	CR for Performance requirement in TS 25.141		
012		F	RP-000022	R4-000127	approved	R4	Spectrum emission mask		
013		B	RP-000022	R4-000246	approved	R4	BS configurations		
014		F	RP-000022	R4-000244	approved	R4	Test models		
015		F	RP-000022	R4-000180	approved	R4	Update to Downlink Test Models		
016		D	RP-000022	R4-000150	approved	R4	Remove revision marks in annex A		
017		D	RP-000022	R4-000236	approved	R4	Format and interpretation of tests		
018		F	RP-000022	R4-000187	approved	R4	Modifications for system set-up's TS25.141v3.0.0		
019		F	RP-000022	R4-000128	approved	R4	Intermodulation test		
020		C	RP-000022	R4-000184	approved	R4	Modifications for test models		
021		C	RP-000022	R4-000188	approved	R4	Receiver diversity		
023		F	RP-000022	R4-000256	approved	R4	Spectrum emission mask		
024		F	RP-000022	R4-000130	approved	R4	Rx spurious emissions measurement bandwidth		
025		F	RP-000022	R4-000291	approved	R4	Modification to the handling of measurement		
026		F	RP-000022	R4-000323	approved	R4	Test models		

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CR Rev Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.142 : Base station conformance testing (TDD)						3.0.0	3.1.0
001	C	RP-000023	R4-000004	approved	R4	Conformance test descriptions for spectrum	
002	F	RP-000023	R4-000006	approved	R4	Conformance test description for Adjacent Channel	
003	F	RP-000023	R4-000007	approved	R4	Conformance test description for blocking	
004	1 F	RP-000023	R4-000118	approved	R4	Conformance test description for performance	
005	F	RP-000023	R4-000112	approved	R4	Protection outside a licensee's frequency block	
006	F	RP-000023	R4-000259	approved	R4	ACLR	
007	F	RP-000023	R4-000223	approved	R4	Corrected reference sensitivity value	
008	F	RP-000023	R4-000102	approved	R4	Conformance test description for Tx spurious	
009	F	RP-000023	R4-000224	approved	R4	Clause 5: General test conditions and declarations	
010	F	RP-000023	R4-000225	approved	R4	Conformance test description for Primary CCPCH	
011	F	RP-000023	R4-000226	approved	R4	Conformance test description for transmit OFF	
012	F	RP-000023	R4-000227	approved	R4	Conformance test description for Rx spurious	
25.201 : Physical layer -General Description						3.0.1	3.0.2
001	D	RP-000059	R1-000210	approved	R1	Editorial revision	
25.211 : Physical channels and mapping of transport channels onto physical						3.1.1	3.2.0
013	6 B	RP-000060	R1-000265	approved	R1	Addition of a downlink channel indicating CPCH	
023	6 F	RP-000060	R1-000449	approved	R1	CPCH-related editorial changes, technical changes	
024	1 B	RP-000060	R1-000130	approved	R1	Additional description of TX diversity for PDSCH	
025	1 F	RP-000060	R1-000118	approved	R1	Consistent numbering of scrambling code groups	
026	F	RP-000060	R1-000038	approved	R1	Minor corrections to timing section	
028	1 C	RP-000060	R1-000239	approved	R1	Timing of PDSCH	
029	1 D	RP-000060	R1-000216	approved	R1	Modifications to STTD text	
031	4 B	RP-000060	R1-000429	approved	R1	CD/CA-ICH for dual mode CPCH	
033	D	RP-000060	R1-000234	approved	R1	Clarification of frame synchronization word and its	
034	1 D	RP-000060	R1-000450	approved	R1	Editorial updates to 25.211	
036	C	RP-000060	R1-000270	approved	R1	PDSCH multi-code transmission	
037	D	RP-000060	R1-000275	approved	R1	Clarification of pilot bit patterns for CPCH and slot	
039	C	RP-000060	R1-000296	approved	R1	Further restrictions on the application of the Tx	
040	F	RP-000060	R1-000297	approved	R1	Clarification of downlink pilot bit patterns	
041	C	RP-000060	R1-000315	approved	R1	Clarification of DCH initialisation	
044	2 B	RP-000060	R1-000409	approved	R1	Emergency Stop of CPCH transmission and Start of	
046	F	RP-000060	R1-000422	approved	R1	Clean up of USTS related specifications	
25.212 : Multiplexing and channel coding (FDD)						3.1.1	3.2.0
025	2 B	RP-000061	R1-000278	approved	R1	CR for parity bit attachment to 0 bit transport block	
029	1 F	RP-000061	R1-000241	approved	R1	Limitations of blind transport format detection	
034	1 F	RP-000061	R1-000116	approved	R1	Clarification of fixed position rate matching	
035	1 D	RP-000061	R1-000170	approved	R1	Clarification of DL compressed mode	
036	F	RP-000061	R1-000264	approved	R1	Reconfiguration of TFCS	
037	1 C	RP-000061	R1-000249	approved	R1	Removal of fixed gap position in 25.212	
038	2 D	RP-000061	R1-000347	approved	R1	Definition clarification for TS 25.212	
039	1 F	RP-000061	R1-000123	approved	R1	Clarification on TFCI coding input	
041	2 F	RP-000061	R1-000242	approved	R1	Correction of UL compressed mode by higher layer	
042	5 C	RP-000061	R1-000418	approved	R1	Downlink Compressed Mode by puncturing	
044	B	RP-000061	R1-000160	approved	R1	Modification of Turbo code internal interleaver	
045	F	RP-000061	R1-000211	approved	R1	Editorial corrections	
046	F	RP-000061	R1-000218	approved	R1	SF/2 method: DTX insertion after 2nd interleaver	
047	1 F	RP-000061	R1-000346	approved	R1	TFCI coding for FDD	
048	F	RP-000061	R1-000238	approved	R1	Mapping of TFCI in downlink compressed mode	
049	D	RP-000061	R1-000243	approved	R1	Editorial changes to Annex A	
050	F	RP-000061	R1-000244	approved	R1	Removal of rate matching attribute setting for	
052	B	RP-000061	R1-000255	approved	R1	Padding Function for Turbo coding of small blocks	
055	2 F	RP-000061	R1-000425	approved	R1	Clarifications relating to DSCH	
056	D	RP-000061	R1-000281	approved	R1	Editorial modification of uplink shifting parameter	
059	1 D	RP-000062	R1-000426	approved	R1	Revision: Editorial correction to the calculation of	
060	1 D	RP-000062	R1-000437	approved	R1	Editorial changes of channel coding section	
061	C	RP-000062	R1-000364	approved	R1	Removal of DL compressed mode by higher layer	
25.213 : Spreading and modulation (FDD)						3.1.1	3.2.0
020	1 F	RP-000063	R1-000118	approved	R1	Consistent numbering of scrambling code groups	
021	F	RP-000063	R1-000087	approved	R1	Downlink signal flow corrections	
022	F	RP-000063	R1-000087	approved	R1	Uplink signal flow corrections	
023	1 C	RP-000063	R1-000245	approved	R1	Number of RACH scrambling codes	
024	1 F	RP-000063	R1-000213	approved	R1	Editorial changes to 25.213	
025	3 C	RP-000063	R1-000427	approved	R1	Number of PCPCH scrambling codes per cell	
027	F	RP-000063	R1-000253	approved	R1	A typo correction for 5.2.2 and clarification for	
028	2 C	RP-000063	R1-000416	approved	R1	Channelization code allocation method for PCPCH	
029	C	RP-000063	R1-000300	approved	R1	Clarifications to DSCH scrambling and modulation	
032	F	RP-000063	R1-000422	approved	R1	Clean up of USTS related specifications	

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.214 : FDD; physical layer procedures								3.1.1	3.2.0
043	1	F	RP-000064	R1-000233	approved	R1	Optimum ID Codes for SSDT Power Control		
044		D	RP-000064	R1-000016	approved	R1	Editorial clarification to section 5.1.2.2.2		
047	1	B	RP-000064	R1-000130	approved	R1	Additional description of TX diversity for PDSCCH		
048		F	RP-000064	R1-000040	approved	R1	Power offset on S-CCPCH		
050	2	F	RP-000064	R1-000314	approved	R1	Corrections to uplink power control		
055		F	RP-000064	R1-000089	approved	R1	Correction of Adjustment loop description		
056	1	C	RP-000064	R1-000266	approved	R1	Clarification of TPC command combining for		
057		C	RP-000064	R1-000267	approved	R1	Clarification of TPC command combining for		
059	2	F	RP-000064	R1-000431	approved	R1	CPCH: CD subslot-related additions to 6.2		
061	1	F	RP-000064	R1-000412	approved	R1	CPCH: editorial changes and clarifications of 6.2		
062		F	RP-000064	R1-000212	approved	R1	Editorial corrections		
064	1	D	RP-000064	R1-000353	approved	R1	Editorial improvement of the IPDL section		
065	1	F	RP-000064	R1-000344	approved	R1	PRACH power offset definition		
066	1	C	RP-000064	R1-000372	approved	R1	Radio link synchronisation in UTRA/FDD		
068		B	RP-000064	R1-000260	approved	R1	Definition for maximum and minimum DL power		
069	4	B	RP-000064	R1-000430	approved	R1	Channel assignment and UE channel selection		
071		C	RP-000064	R1-000416	approved	R1	Channelization code allocation method for PCPCH		
072		I	B	RP-000064	R1-000442	approved	R1 Limited power raise used -parameter in DL PC		
080		D	RP-000064	R1-000319	approved	R1	Downlink power control		
081		D	RP-000064	R1-000367	approved	R1	Editorial improvement on SSDT power control		
082	2	B	RP-000065	R1-000409	approved	R1	Emergency Stop of CPCH transmission and Start of		
083		F	RP-000065	R1-000422	approved	R1	Clean up of USTS related specifications		
25.215 : Physical layer; Measurements (FDD)								3.1.1	3.2.0
024	1	F	RP-000066	R1-000307	approved	R1	Definition of Transmitted carrier power		
025		F	RP-000066	R1-000042	approved	R1	Clarification of Observed time difference to GSM		
027		F	RP-000066	R1-000044	approved	R1	Naming of BER/BLER mapping		
028		F	RP-000066	R1-000045	approved	R1	Minor corrections in TS 25.215		
029		F	RP-000066	R1-000046	approved	R1	Re-definition of timing measurements		
030	2	F	RP-000066	R1-000448	approved	R1	Mapping of timing measurements		
031		F	RP-000066	R1-000048	approved	R1	Removal of note in Round trip time measurement		
033		C	RP-000066	R1-000249	approved	R1	Removal of fixed gap position in 25.215		
036	4	F	RP-000066	R1-000342	approved	R1	Corrections to 25.215 compressed mode parameter		
037	3	F	RP-000066	R1-000438	approved	R1	Definition and range of physical channel BER		
040		F	RP-000066	R1-000309	approved	R1	Clarification of CPICH measurements in Tx diversity		
042	1	F	RP-000066	R1-000435	approved	R1	UTRAN RSSI measurement		
043	1	B	RP-000066	R1-000332	approved	R1	UTRAN Propagation delay		
044	2	F	RP-000066	R1-000447	approved	R1	Correction to sections: 5.1.15 UE GPS Timing of		
047		F	RP-000066	R1-000348	approved	R1	Removal of RSCP measurement		
048		C	RP-000066	R1-000407	approved	R1	UE BER measurement removal and clarification for		
25.221 : Physical channels and mapping of transport channels onto physical								3.1.1	3.2.0
003	2	C	RP-000067	R1-000135	approved	R1	Cycling of cell parameters		
011		F	RP-000067	R1-000076	approved	R1	Correction of Midamble Definition for TDD		
012		D	RP-000067	R1-000096	approved	R1	Introduction of the timeslot formats for RACH to		
013		D	RP-000067	R1-000097	approved	R1	Paging Indicator Channel reference power		
014	1	F	RP-000067	R1-000376	approved	R1	Removal of Synchronisation Case 3 in TDD		
015	1	F	RP-000067	R1-000228	approved	R1	Signal Point Constellation		
016		F	RP-000067	R1-000415	approved	R1	Association between Midambles and		
017		D	RP-000067	R1-000439	approved	R1	Removal of ODMA from the TDD specifications		
25.222 : Multiplexing and channel coding (TDD)								3.1.1	3.2.0
017		F	RP-000068	R1-000082	approved	R1	Corrections to TS 25.222		
018		F	RP-000068	R1-000081	approved	R1	Refinements of Physical Channel Mapping		
019	1	F	RP-000068	R1-000193	approved	R1	TFCI coding specification in TDD		
021		B	RP-000068	R1-000160	approved	R1	Modification of Turbo code internal interleaver		
023		F	RP-000068	R1-000226	approved	R1	Update of TS 25.222 - clarification of BTFD for TDD		
025		F	RP-000068	R1-000237	approved	R1	Change of TFCI basis for TDD		
026		B	RP-000068	R1-000255	approved	R1	Padding Function for Turbo coding of small blocks		
027		D	RP-000068	R1-000282	approved	R1	Editorial modification of shifting parameter		
029	1	D	RP-000068	R1-000437	approved	R1	Editorial changes of channel coding section		
25.223 : Spreading and modulation (TDD)								3.1.1	3.2.0
002	3	C	RP-000069	R1-000135	approved	R1	Cycling of cell parameters		
005		F	RP-000069	R1-000220	approved	R1	Removal of Synchronisation Case 3 in TDD		
006	1	F	RP-000069	R1-000228	approved	R1	Signal Point Constellation		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.224 : TDD; physical layer procedures								3.1.1	3.2.0
003	2	C	RP-000070	R1-000135	approved	R1	Cycling of cell parameters		
007	2	D	RP-000070	R1-000291	approved	R1	Clarifications on the UL synchronisation and		
008		D	RP-000070	R1-000068	approved	R1	Modification of SIR threshold on setting TPC		
009	1	F	RP-000070	R1-000417	approved	R1	New section describing the random access		
011		F	RP-000070	R1-000220	approved	R1	Removal of Synchronisation Case 3 in TDD		
012		I	D	RP-000070	R1-000380	approved	R1	Clarifications on power control procedures	
013		D	RP-000070	R1-000228	approved	R1	Signal Point Constellation		
014	2	B	RP-000070	R1-000389	approved	R1	Out-of-sync handling for UTRA TDD		
015		D	RP-000070	R1-000440	approved	R1	Removal of ODMA from the TDD specifications		
25.225 : Physical layer; Measurements (TDD)								3.1.1	3.2.0
004	1	F	RP-000071	R1-000124	approved	R1	Correction of CPICH measurements and 'RX Timing		
005	2	D	RP-000071	R1-000227	approved	R1	Editorial modifications to 25.225 Measurements for		
006	1	F	RP-000071	R1-000403	approved	R1	Corrections to 25.225 Measurements for TDD		
25.301 : Radio Interface Protocol Architecture								3.3.0	3.4.0
032		F	RP-000034	R2-000213	approved	R2	Correction of the CFN length		
034		F	RP-000034	R2-000568	approved	R2	Removal of SCH		
25.302 : Services provided by the physical layer								3.3.0	3.4.0
032	2	C	RP-000035	R2-000273	approved	R2	Revision of CPCH model		
033	1	B	RP-000035	R2-000190	approved	R2	Error Correction Coding for FACH		
034	3	C	RP-000035	R2-000648	approved	R2	Revision of compressed mode description		
036		D	RP-000035	R2-000246	approved	R2	TrBLK size		
037		F	RP-000035	R2-000346	approved	R2	PDSCH multi-code		
038	1	B	RP-000035	R2-000532	approved	R2	Primitives for CPCH Abnormal Situation Handling		
039		F	RP-000035	R2-000399	approved	R2	Physical channel BER		
041		F	RP-000035	R2-000439	approved	R2	Editorial modification on AMR trblk size		
042	1	F	RP-000035	R2-000501	approved	R2	Corrections and clarifications on L1 and L2		
043	1	F	RP-000035	R2-000528	approved	R2	Transport Block Transmission		
044		D	RP-000035	R2-000516	approved	R2	Clarification to layer 1 model regarding transport		
045		F	RP-000035	R2-000569	approved	R2	Removal of SCH and SCCH		
046		D	RP-000035	R2-000593	approved	R2	Replacement of Time of Arrival Measurement by		
047	1	F	RP-000035	R2-000655	approved	R2	Incorporation of Measurement filtering model		
048		C	RP-000035	R2-000644	approved	R2	Separation of physical channel BER measurements		
25.303 : UE functions and inter-layer procedures in connected mode								3.2.0	3.3.0
022	4	B	RP-000036	R2-000565	approved	R2	CPCH start of message indication		
023		F	RP-000036	R2-000151	approved	R2	Correction to Transport Format Combination		
025	1	B	RP-000036	R2-000564	approved	R2	CPCH Emergency Stop sequence		
026	1	D	RP-000036	R2-000527	approved	R2	Variable Rate Packet Transmission for uplink DCH		
027		C	RP-000036	R2-000432	approved	R2	Random access transmission sequence		
25.304 : UE Procedures in Idle Mode and Procedures for Cell Reselection in								3.1.0	3.2.0
007	2	B	RP-000037	R2-000191	approved	R2	Cell Selection for DS-41 mode		
014		D	RP-000037	R2-000118	approved	R2	Modified description of cell search procedure		
018	1	F	RP-000037	R2-000538	approved	R2	UE individual DRX cycles in CELL_PCH and		
019	1	B	RP-000037	R2-000546	approved	R2	Cell re-selection criteria including HCS		
021		F	RP-000037	R2-000488	approved	R2	Modified description of DRX		
25.305 : Stage 2 Functional Specification of Location Services in UTRAN (LCS)								3.0.0	3.1.0
001	3	C	RP-000038	R2-000535	approved	R2	Network assisted GPS LCS		
002	1	C	RP-000038	R2-000175	approved	R2	Enhancements for cell coverage based positioning		
003		D	RP-000038	R2-000133	approved	R2	Replacement for Figure 4.1		
004	1	D	RP-000038	R2-000402	approved	R2	Restructuring		
006		C	RP-000038	R2-000171	approved	R2	Target UE-RNC signalling model		
007		D	RP-000038	R2-000172	approved	R2	LMU description		
008	2	C	RP-000038	R2-000553	approved	R2	LMU signalling description		
009		C	RP-000038	R2-000210	approved	R2	Incorporation of R1 Liaisons R2-000022 and		
010	3	C	RP-000038	R2-000536	approved	R2	OTDOA - GPS Location Procedures		
011	1	C	RP-000038	R2-000530	approved	R2	Clarification of the different LMU types		
25.321 : Medium Access Control (MAC) Protocol Specification								3.2.0	3.3.0
032		C	RP-000039	R2-000057	approved	R2	Bit Aligned TDD MAC Headers		
035	2	C	RP-000039	R2-000566	approved	R2	CPCH including Channel Assignment		
036		C	RP-000039	R2-000433	approved	R2	UE-ID type indication		
037	1	C	RP-000039	R2-000529	approved	R2	RACH transmission control procedure		
039		B	RP-000039	R2-000525	approved	R2	CPCH start of message indication		
040		F	RP-000039	R2-000570	approved	R2	Removal of SCH and SCCH		
041	1	F	RP-000039	R2-000671	approved	R2	Clarification of bit order		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.322 : Radio Link Control (RLC) Protocol Specification								Old: 3.1.2	New: 3.2.0
018	1	D	RP-000040	R2-000234	approved	R2	RLC editorial changes		
021	1	F	RP-000040	R2-000209	approved	R2	Corrections to RLC		
025	2	F	RP-000040	R2-000635	approved	R2	Corrections to RLC		
026	1	F	RP-000040	R2-000557	approved	R2	STATUS PDUs		
027	1	F	RP-000040	R2-000652	approved	R2	Clarification of RLC AMD Model		
028	F	RP-000040	R2-000371	approved	R2	Corrections to Timer_discard procedures			
029	1	D	RP-000040	R2-000556	approved	R2	Segmentation of RLC SDUs		
030	2	C	RP-000040	R2-000634	approved	R2	Modification of SDU discard to support virtual		
031	F	RP-000040	R2-000571	approved	R2	Removal of SCCH			
032	F	RP-000040	R2-000440	approved	R2	Updated RLC SDL			
033	1	F	RP-000040	R2-000597	approved	R2	RLC Editorial Changes		
034	F	RP-000040	R2-000645	approved	R2	Order of bit transmission for RLC PDUs			
25.323 : Packet Data Convergence Protocol (PDCP) protocol								Old: 3.0.0	New: 3.1.0
004	F	RP-000041	R2-000620	approved	R2	Bit order of PDCP PDUs			
005	F	RP-000041	R2-000636	approved	R2	Changes to PDCP			
25.324 : Radio Interface for Broadcast/Multicast Services								Old: 3.0.0	New: 3.1.0
001	F	RP-000042	R2-000077	approved	R2	Miscellaneous corrections			
002	2	F	RP-000042	R2-000628	approved	R2	Correction of messages and bit ordering		
25.331 : Radio Resource Control (RRC) Protocol Specification								Old: 3.1.0	New: 3.2.0
122	C	RP-000043	R2-000058	approved	R2	TDD Mode BCH Reception in Cell DCH State			
123	F	RP-000043	R2-000059	approved	R2	Uplink Outer Loop Power Control in TDD Mode			
124	1	C	RP-000043	R2-000249	approved	R2	TFS TB Size Calculation with Bit Aligned TDD		
125	F	RP-000043	R2-000062	approved	R2	Grouping of DRAC IEs, and detailed definitions of			
126	F	RP-000043	R2-000063	approved	R2	Correction of specifications for the 'Dynamic			
131	2	F	RP-000043	R2-000291	approved	R2	Clarification of PDCP info and PDCP capability Ies		
132	F	RP-000043	R2-000076	approved	R2	Editorial change to "Specification of system			
133	F	RP-000043	R2-000078	approved	R2	Additions of CBS related Information Elements			
134	F	RP-000043	R2-000082	approved	R2	Signalling for computed gain factors			
137	1	C	RP-000043	R2-000379	approved	R2	General error handling procedures		
138	1	C	RP-000043	R2-000396	approved	R2	RRC message extensions		
139	C	RP-000043	R2-000089	approved	R2	Padding of RRC messages using RLC transparent			
140	2	C	RP-000043	R2-000598	approved	R2	UE information elements		
141	C	RP-000043	R2-000091	approved	R2	Other information elements			
142	3	F	RP-000043	R2-000631	approved	R2	Integrity protection function		
143	4	F	RP-000043	R2-000638	approved	R2	RAB-RB relations		
144	1	C	RP-000043	R2-000224	approved	R2	Inter-system handover from UTRAN		
145	3	C	RP-000043	R2-000659	approved	R2	Handover to UTRAN including procedure for pre-		
146	2	C	RP-000043	R2-000622	approved	R2	RRC measurement filtering parameters		
147	C	RP-000043	R2-000097	approved	R2	New event "RL out of UE Rx window"			
148	1	C	RP-000044	R2-000098	approved	R2	Access control on RACH		
149	2	F	RP-000044	R2-000258	approved	R2	cdma2000 Hard Handover		
150	1	F	RP-000044	R2-000272	approved	R2	CPCH parameters with corrections		
152	F	RP-000044	R2-000110	approved	R2	U-plane AM RLC reconfiguration by cell update			
154	3	B	RP-000044	R2-000654	approved	R2	CPCH		
155	1	C	RP-000044	R2-000220	approved	R2	Information elements for ASC in TDD		
156	F	RP-000044	R2-000120	approved	R2	Addition of timing advance value in handover			
157	2	C	RP-000044	R2-000221	approved	R2	Physical channel description for TDD		
159	C	RP-000044	R2-000123	approved	R2	Message contents for the intersystem command			
160	F	RP-000044	R2-000124	approved	R2	Corrections on use of PUSCH power control info			
162	2	F	RP-000044	R2-000601	approved	R2	UE individual DRX cycles in CELL_PCH and		
163	F	RP-000044	R2-000152	approved	R2	Correction to Transport Format Combination			
164	3	C	RP-000044	R2-000587	approved	R2	Downlink outer loop power control		
165	2	B	RP-000044	R2-000406	approved	R2	Redirection of RRC connection setup		
166	2	B	RP-000044	R2-000603	approved	R2	Inter-frequency measurements in CELL_FACH state		
167	D	RP-000044	R2-000192	approved	R2	List of found editorial mistakes in the Dec99 version			
168	1	C	RP-000044	R2-000245	approved	R2	Transport block size		
169	1	C	RP-000044	R2-000232	approved	R2	Cell Access Restriction		
170	D	RP-000044	R2-000197	approved	R2	Editorial modification			
171	D	RP-000044	R2-000198	approved	R2	Modification of DPCH info			
172	1	C	RP-000045	R2-000259	approved	R2	Measurement control message		
173	2	C	RP-000045	R2-000490	approved	R2	Reporting cell status		
174	C	RP-000045	R2-000201	approved	R2	Additional IE for RB release			
175	C	RP-000045	R2-000202	approved	R2	Available SF in PRACH info			
176	C	RP-000045	R2-000203	approved	R2	Traffic volume measurement event			
177	C	RP-000045	R2-000204	approved	R2	Report of multiple cells on an event result			
178	C	RP-000045	R2-000205	approved	R2	Editorial modification on Direct Transfer			
179	F	RP-000045	R2-000206	approved	R2	Correction of the Security Mode Control procedure			
180	1	F	RP-000045	R2-000286	approved	R2	Maximum calculated Transport Format Combination		
183	F	RP-000045	R2-000233	approved	R2	Additional DPCH IEs to align 25.331 with 25.214			
184	1	F	RP-000045	R2-000287	approved	R2	RB - DCH mapping		
188	1	C	RP-000045	R2-000624	approved	R2	Modifications related to FDD mode DSCH		
189	1	C	RP-000045	R2-000547	approved	R2	Identification of Shared Channel Physical		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject
192	1	C	RP-000045	R2-000549	approved	R2	Uplink Outer Loop Power Control During Hard
193		C	RP-000045	R2-000357	approved	R2	Support of Multiple CCTrCH's in TDD Mode
194	1	C	RP-000045	R2-000592	approved	R2	Uplink Physical Channel Control in TDD Mode
201	1	D	RP-000045	R2-000630	approved	R2	Transfer of initial information from UE to target RNC
202	1	F	RP-000045	R2-000675	approved	R2	CN information elements
203		F	RP-000045	R2-000387	approved	R2	UTRAN mobility information elements
204	1	F	RP-000045	R2-000625	approved	R2	RB information elements
205	1	F	RP-000046	R2-000605	approved	R2	Physical channel information elements
206	1	F	RP-000046	R2-000626	approved	R2	UE capability information elements
207		D	RP-000046	R2-000391	approved	R2	UE variables
208	1	D	RP-000046	R2-000606	approved	R2	Actions when entering idle mode
209		F	RP-000046	R2-000393	approved	R2	Usage of pilot bits
210		F	RP-000046	R2-000394	approved	R2	System information procedure corrections
212		F	RP-000046	R2-000497	approved	R2	Reconfiguration of ciphering
213	1	B	RP-000046	R2-000660	approved	R2	Enhancements to RRC connection re-establishment
215		D	RP-000046	R2-000409	approved	R2	Updates to RRC Initialization Information
220	1	C	RP-000046	R2-000672	approved	R2	Changes in RRC messages to support lossless
229	1	B	RP-000046	R2-000674	approved	R2	Measurements of unlisted neighbouring cells
234	2	C	RP-000046	R2-000651	approved	R2	Inclusion of Location Services
236	1	C	RP-000046	R2-000673	approved	R2	Application of Access Service Classes and relation
252	1	F	RP-000046	R2-000602	approved	R2	DRX indicator presence and state entering
254	1	F	RP-000046	R2-000600	approved	R2	Physical shared channel allocation procedure
255		F	RP-000046	R2-000468	approved	R2	Corrections to TDD specific parameters in PICH
256		D	RP-000046	R2-000469	approved	R2	Editorial modifications
259	2	B	RP-000046	R2-000658	approved	R2	Introduction of mapping function information in
263	F	RP-000046	R2-000498	approved	R2	Ciphering and integrity HFN	
267		C	RP-000046	R2-000554	approved	R2	New SIB for LCS
268		F	RP-000047	R2-000572	approved	R2	Removal of synchronisation Case 3
271		C	RP-000047	R2-000629	approved	R2	TX Diversity
272		D	RP-000047	R2-000632	approved	R2	Update of tabular format Section 10
273		F	RP-000047	R2-000633	approved	R2	ASN.1 description
25.401 : UTRAN Overall Description							Old: 3.1.0 New: 3.2.0
001	1	F	RP-000073	R3-000528	approved	R3	Generalisation of the combining/splitting
003	1	B	RP-000073	R3-000880	approved	R3	Extension with CBS Topic
004	2	F	RP-000073	R3-000977	approved	R3	Corrections to 25.401
005		F	RP-000073	R3-000601	approved	R3	UTRAN Cell-Id not visible over Iu
006	2	B	RP-000073	R3-000962	approved	R3	Changes for CPCH
007		F	RP-000073	R3-000888	approved	R3	Transport layer in Iub U-Plane.
25.402 : Synchronisation in UTRAN Stage 2							Old: 3.0.0 New: 3.1.0
001		F	RP-000074	R3-000379	approved	R3	Corrections to 25.402
002		C	RP-000074	R3-000065	approved	R3	Time alignment
003	1	F	RP-000074	R3-000892	approved	R3	Corrections in the TS 25.402 (the one that includes
004	2	B	RP-000074	R3-000937	approved	R3	Introduction of Node B synchronisation of the last
005		B	RP-000074	R3-000893	approved	R3	Addition of Time Alignment Handling feature
25.410 : UTRAN Iu Interface: General Aspects and Principles							Old: 3.1.0 New: 3.2.0
001	3	B	RP-000075	R3-000932	approved	R3	Extension with Service Area Broadcast Protocol
002		C	RP-000075	R3-000602	approved	R3	Changing local RAB ID to global
003	1	B	RP-000075	R3-000931	approved	R3	High-level Iu interface changes for SA Broadcast
004	1	C	RP-000075	R3-000742	approved	R3	Protocol stack updates for Iu-PS
25.411 : UTRAN Iu interface Layer 1							Old: 3.1.0 New: 3.2.0
001		D	RP-000076	R3-000217	approved	R3	Precise wording in section 7.2 with respect to
25.412 : UTRAN Iu interface signalling transport							Old: 3.2.0 New: 3.1.0
001		C	RP-000077	R3-000417	approved	R3	Removal of ATM Protection
002	1	C	RP-000077	R3-000743	approved	R3	Protocol stack updates for Iu-PS
CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject
25.413 : UTRAN Iu interface RANAP signalling							Old: 3.0.0 New: 3.1.0
001	3	C	RP-000081	R3-000924	approved	R3	Correction CR on CN broadcast procedure. Part of
002	1	D	RP-000078	R3-000364	approved	R3	Criticality Information within the Message Tabular
003		F	RP-000078	R3-000273	approved	R3	Corrections within ASN.1 definition of some
004		F	RP-000078	R3-000274	approved	R3	Corrections within RAB Assignment procedure
005		D	RP-000078	R3-000275	approved	R3	Some editorial modifications of EP descriptions
006		D	RP-000078	R3-000276	approved	R3	Editorial Modification of the Chosen UP Version IE
007		F	RP-000078	R3-000277	approved	R3	Removal of an out of date statement about a specific
008		F	RP-000078	R3-000279	approved	R3	Additional description of the usage of "no
009	1	C	RP-000079	R3-000651	approved	R3	CR to 25.413: cause value range of cause
010	1	F	RP-000079	R3-000652	approved	R3	CR to 25.413: Cause value related to relocation
011	1	F	RP-000079	R3-000650	approved	R3	CR to 25.413: missing cause value in RANAP
012		F	RP-000078	R3-000325	approved	R3	CR to 25.413: Correction in RANAP:RAB
013		F	RP-000078	R3-000332	approved	R3	Correction of the presence of Transparent
014		F	RP-000078	R3-000061	approved	R3	Definition of Transport Layer Address
015		F	RP-000078	R3-000151	approved	R3	CR to 25.413: Correction to NAS Broadcast
016	2	F	RP-000081	R3-000914	approved	R3	CR to 25.413: Correcting the conditions for RAB

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject
017		F	RP-000078	R3-000150	approved	R3	CR to 25.413: Correction of the type of d-RNTI in
018		C	RP-000078	R3-000312	approved	R3	Report RABs for which a Data Volume report can't
019		C	RP-000078	R3-000313	approved	R3	Handle invalid RAB IDs in the SRNS Context
020		C	RP-000078	R3-000314	approved	R3	Initiation of Iu Release procedure as a consequence
021		C	RP-000078	R3-000315	approved	R3	New Cause values in RANAP.
024		2	F	RP-000080	R3-000799	approved	R3 Corrections of RANAP RAB parameters
025	1	F	RP-000080	R3-000732	approved	R3	Clarification on criticality modelling
026		F	RP-000079	R3-000512	approved	R3	Enhancement of the description of the message
028	1	C	RP-000080	R3-000733	approved	R3	This is an update to tdoc R3-000532. New CR28r1.
029		F	RP-000078	R3-000533	approved	R3	Introduction of 'Presence' information element for
030		D	RP-000078	R3-000609	approved	R3	Editorial changes to RANAP
031	1	C	RP-000080	R3-000800	approved	R3	Definition of global RAB ID in RANAP
032	1	C	RP-000080	R3-000801	approved	R3	Renaming NAS Binding information to RAB ID and
033		F	RP-000078	R3-000613	approved	R3	Correction of the tabular format for the Cause IE
034		F	RP-000078	R3-000614	approved	R3	CN Domain Identifier in Target ID in Relocation
036		F	RP-000079	R3-000616	approved	R3	Clarification of when RELOCATION REQUEST
037		F	RP-000079	R3-000617	approved	R3	Clarifying of failure situations for RAB Assignment
038		F	RP-000079	R3-000618	approved	R3	DL/UL GTP-PDU Sequence Numbers on wrong
040		F	RP-000079	R3-000620	approved	R3	Clarification of the interaction between Event
042	1	F	RP-000080	R3-000884	approved	R3	Clarifications in the Paging and Common ID
043		F	RP-000079	R3-000623	approved	R3	Aligning the definition of N-PDU Sequence Number
044		F	RP-000079	R3-000624	approved	R3	Cause value "RAB pre-empted" moved from IU
045		F	RP-000079	R3-000625	approved	R3	Clarification of relation between RAB and Radio
046		F	RP-000079	R3-000626	approved	R3	Cause value to use in connection with Relocation
047		F	RP-000079	R3-000627	approved	R3	Correction of range for security algorithms and
049		F	RP-000079	R3-000629	approved	R3	Security information in Relocation messages
050		C	RP-000079	R3-000630	approved	R3	Resetting of HFN when new security keys are
051	1	C	RP-000080	R3-000885	approved	R3	Clarification of Elementary Procedure Definition
052		F	RP-000079	R3-000640	approved	R3	Addition of exception to Error Indication
053	2	C	RP-000080	R3-000842	approved	R3	Addition of Paging related parameter: CR53r2
054	1	F	RP-000080	R3-000847	approved	R3	CR to 25.413: Editorial correction of cause in
055	1	C	RP-000080	R3-000844	approved	R3	CR to 25.413: Modifying Conditions for security
056	2	F	RP-000080	R3-000963	approved	R3	Coding and definition of RANAP Relocation
057	2	D	RP-000081	R3-000920	approved	R3	CR to 25.413: Clarification of CN actions for RAB
058	1	D	RP-000080	R3-000846	approved	R3	CR to 25.413: Clarification of CN actions for Iu
061	1	F	RP-000081	R3-000913	approved	R3	Handling of possible inconsistencies between LAC
062		C	RP-000079	R3-000678	approved	R3	Removal of interaction between Iu Release and
063		F	RP-000079	R3-000679	approved	R3	CN initiated RAB release during ongoing RAB
066		D	RP-000079	R3-000704	approved	R3	CR to 25.413: Editorial changes to RANAP for better
067	4	F	RP-000080	R3-000948	approved	R3	Iu signalling connection identity: CR67r4
068		F	RP-000079	R3-000711	approved	R3	Relocation execution trigger
069		F	RP-000080	R3-000712	approved	R3	Start Timer TDATAfwd upon reception of
070	2	C	RP-000080	R3-000936	approved	R3	Target Cell ID at SRNS Relocation with UE
071	2	B	RP-000080	R3-000865	approved	R3	Addition of Call Trace Deactivation functionality
072	1	C	RP-000080	R3-000938	approved	R3	CR to 25.413: Addition of a Cause Value -
073		F	RP-000080	R3-000959	approved	R3	Alignment of PDCP Sequence Number Length with
074		C	RP-000080	R3-000978	approved	R3	Proposed changes to RANAP ASN.1 descriptions
25.414 : UTRAN Iu interface data transport & transport signalling							Old: 3.2.0 New: 3.3.0
001	1	B	RP-000082	R3-000394	approved	R3	Extension with Service Area Broadcast Protocol
002	1	F	RP-000082	R3-000634	approved	R3	Correction and clarification of IP over ATM in
003		C	RP-000082	R3-000146	approved	R3	Removal of ATM Protection Switching
004		C	RP-000082	R3-000356	approved	R3	Clarification to the use of SSSAR (ITU-T I.366.1)
006	1	F	RP-000082	R3-000899	approved	R3	Formal cleanup of 25.414
007		F	RP-000082	R3-000633	approved	R3	IPv6 support as optional in Iu and Gn
008		F	RP-000082	R3-000635	approved	R3	Clarification of Multi protocol encapsulation
009		F	RP-000082	R3-000636	approved	R3	Removal of UDP port description in 25.414
011	1	F	RP-000082	R3-000971	approved	R3	Clarification of using IP over ATM
013	1	F	RP-000082	R3-000856	approved	R3	Quality of Service differentiation over Iu-PS
CR Rev Cat RAN Doc WG Doc Status WG Subject							
25.415 : UTRAN Iu interface user plane protocols							Old: 3.1.0 New: 3.2.0
001	1	B	RP-000096	R3-000785	approved	R3	Time Alignment
002		C	RP-000096	R3-000348	approved	R3	Addition of spare extension
003		F	RP-000096	R3-000059	approved	R3	Correction of frame format and coding sections
004		D	RP-000096	R3-000060	approved	R3	Removal of AMR mapping table
005		C	RP-000096	R3-000063	approved	R3	Iu timing
006	1	F	RP-000096	R3-000781	approved	R3	O&M data addition
007	1	C	RP-000096	R3-000782	approved	R3	Modification of the CRC description
008	1	C	RP-000096	R3-000783	approved	R3	Initialisation and rate control
010		F	RP-000096	R3-000607	approved	R3	Cleanup of 25.415
014		F	RP-000096	R3-000715	approved	R3	Removal of Rate Control from Iu-UP-Status Request

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.420 : UTRAN Iur Interface: General Aspects and Principles								3.0.0	3.1.0
001	2		RP-000097	R3-000981	approved	R3	Changes for CPCH		
002		D	RP-000097	R3-000023	approved	R3	Correction of Iur Architecture Figure		
003	2	F	RP-000097	R3-000540	approved	R3	Generalisation of the		
004	1	B	RP-000097	R3-000958	approved	R3	DSCH and USCH over Iur		
006	2	F	RP-000097	R3-000852	approved	R3	Problem with piggybacking RADIO LINK SETUP		
007	1	F	RP-000097	R3-000821	approved	R3	Protocol stack updates		
25.422 : UTRAN Iur interface signalling transport								3.2.0	3.3.0
001		C	RP-000147	R3-000418	approved	R3	Removal of ATM Protection		
003	1	F	RP-000097	R3-000820	approved	R3	Protocol stack updates		
25.423 : UTRAN Iur interface RNSAP signalling								3.0.0	3.1.0
001	1	F	RP-000100	R3-000891	approved	R3	Changes for CPCH		
002	3	F	RP-000146	R3-000934	approved	R3	ddition of IEs required by the DRAC procedure in		
003	2	D	RP-000100	R3-000860	approved	R3	Editorial update of RNSAP		
004		D	RP-000143	R3-000254	approved	R3	Editorial changes to 25.423		
005		F	RP-000143	R3-000026	approved	R3	Missing BLER in RL RECONFIGURATION		
006		F	RP-000143	R3-000218	approved	R3	Adding of the PCCPCH Power within Neighbouring		
007	3	F	RP-000146	R3-000729	approved	R3	Addition of measurement threshold information		
008		C	RP-000143	R3-000126	approved	R3	RNSAP extendibility		
009		F	RP-000143	R3-000016	approved	R3	Repetition of compressed mode information		
010		B	RP-000143	R3-000255	approved	R3	Changing Eb/N0 to SIR		
011		F	RP-000143	R3-000139	approved	R3	TPC Step Size defined for TDD		
013		F	RP-000143	R3-000083	approved	R3	Addition of DRX description in Paging procedure		
014	1	F	RP-000143	R3-000385	approved	R3	Removal of an out of date statement about a specific		
015		F	RP-000143	R3-000299	approved	R3	Modification to RADIO LINK ADDITION		
016	2	C	RP-000146	R3-000965	approved	R3	Rearrangement of Neighbouring Cell Information		
017		F	RP-000143	R3-000472	approved	R3	Primary CPICH Power		
018	1	F	RP-000146	R3-000940	approved	R3	Change of definition of QE		
019	1	C	RP-000100	R3-000945	approved	R3	RL-Failure/Restoration procedure text update		
020	1	D	RP-000146	R3-000751	approved	R3	Introduction of RLS in RNSAP		
021		F	RP-000143	R3-000483	approved	R3	Clarification of UL/DL signalling transfer proc. and		
022	1	F	RP-000146	R3-000754	approved	R3	Restriction to allowed procedure parallelism		
023		F	RP-000143	R3-000488	approved	R3	Clarification on measurement characteristics		
024		F	RP-000143	R3-000493	approved	R3	Alignment to R3 definition of puncturing limit range		
025	1	C	RP-000146	R3-000756	approved	R3	Inclusion of Beta C/D TFCS		
026	1	F	RP-000146	R3-000731	approved	R3	Clarification on criticality modelling		
027		F	RP-000143	R3-000511	approved	R3	Enhancement of the description of the message		
031	1	C	RP-000146	R3-000867	approved	R3	Criticality assignment for RNSAP		
032	1	D	RP-000146	R3-000734	approved	R3	This is an update to trdoc R3-000535. New CR32r1.		
034	1	F	RP-000100	R3-000818	approved	R3	Removal of Sync Case 3		
035		F	RP-000143	R3-000536	approved	R3	Introduction of 'Presence' information element for		
036		I	F	RP-000146	R3-000757	approved	R3 UL Interference for TDD		
037	1	F	RP-000100	R3-000780	approved	R3	TDD Neighbor Cell Power		
038		D	RP-000143	R3-000466	approved	R3	Clarification on the "BLER" parameter		
039	1	F	RP-000100	R3-000748	approved	R3	Clarification on the "RLC Mode" parameter		
040	1	F	RP-000100	R3-000815	approved	R3	Clarification on the DL power control procedure and		
041	1	F	RP-000146	R3-000774	approved	R3	Definition of the DL Power IE		
042	1	F	RP-000146	R3-000777	approved	R3	Clarification on the definition of the parameter		
043	1	F	RP-000100	R3-000779	approved	R3	Replacement of the mean bit rate parameter with the		
045	2	B	RP-000100	R3-000857	approved	R3	Support of infinite PD in compressed mode		
047	1	F	RP-000146	R3-000949	approved	R3	A new IE for "RL information" regarding Transmit		
048	2	F	RP-000146	R3-000942	approved	R3	Additional IEs to Neighbouring Cell Information		
050	2	F	RP-000100	R3-000863	approved	R3	UL and DL UARFCN (RNSAP)		
051	1	D	RP-000100	R3-000822	approved	R3	Some Editorial modifications to RNSAP		
053	1	B	RP-000100	R3-000786	approved	R3	Addition of "Cell Individual Offset" IE to		
054	1	F	RP-000146	R3-000770	approved	R3	Modification to "TGD" unit and range (RNSAP)		
055	1	F	RP-000100	R3-000789	approved	R3	Addition of exception to Error Indication		
056	3	F	RP-000146	R3-000975	approved	R3	CR to 25.423: Refinement of Tabular and ASN.1 in		
057	1	F	RP-000100	R3-000791	approved	R3	Problem with piggybacking RADIO LINK SETUP		
058	2	F	RP-000100	R3-000853	approved	R3	Maximum allowed UL Tx Power in a cell		
060	1	F	RP-000100	R3-000793	approved	R3	Clarification on the C-RNTI parameter in UL		
061	1	C	RP-000100	R3-000738	approved	R3	Proposed changes to RNSAP ASN.1 descriptions		
062	1	D	RP-000100	R3-000744	approved	R3	CR to 25.423: Editorial changes to RNSAP for better		
063	2	D	RP-000100	R3-000900	approved	R3	Editorial modifications of RNSAP version 3.0.0		
064	1	F	RP-000100	R3-000903	approved	R3	Power Ramping [RNSAP]		
25.424 : UTRAN Iur interface data transport & transport signalling for CCH data								3.1.0	3.2.0
001	1	C	RP-000148	R3-000318	approved	R3	Changes for CPCH		
001	1	C	RP-000122	R3-000318	revised	R3	Changes for CPCH		
002		C	RP-000148	R3-000148	approved	R3	Removal of ATM Protection Switching		
002		C	RP-000122	R3-000148	revised	R3	Removal of ATM Protection Switching		
003		C	RP-000148	R3-000566	approved	R3	USCH over Iur		
003		C	RP-000122	R3-000566	revised	R3	USCH over Iur		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject	Old:	New:
25.425 : UTRAN Iur interface user plane protocols for CCH data streams								3.0.0	3.1.0
001	4	C	RP-000102	R3-000984	approved	R3	Changes for CPCH		
002		F	RP-000102	R3-000270	approved	R3	Handling of unknown IE or illegal IE value		
003		F	RP-000102	R3-000189	approved	R3	Modification to RACH/FACH FP structures		
004		F	RP-000102	R3-000190	approved	R3	Renaming of MAC-c to MAC-c/sh		
005		F	RP-000102	R3-000191	approved	R3	Coding of Common Transport Channel Priority		
006	1	B	RP-000102	R3-000829	approved	R3	Addition of Spare Extension.		
007		F	RP-000102	R3-000504	approved	R3	Addition of UE-ID Indicator IE in Iur FACH FP		
009		F	RP-000102	R3-000563	approved	R3	Aligned definition of Rx Timing Deviation		
010	2	B	RP-000102	R3-000979	approved	R3	Inclusion of DSCH and [TDD USCH] FP procedures		
25.426 : UTRAN Iur and Iub interface data transport & transport signalling for								3.1.0	3.2.0
001		C	RP-000103	R3-000295	approved	R3	Removal of ATM Protection Switching		
25.427 : UTRAN Iur and Iub interface user plane protocols for DCH data streams								3.1.0	3.2.0
001	1	D	RP-000104	R3-000513	approved	R3	Modification of the CRC description		
002		F	RP-000104	R3-000010	approved	R3	Changing Eb/N0 to SIR.		
003		B	RP-000104	R3-000020	approved	R3	Modification of Uplink Data Transfer procedure.		
004		C	RP-000104	R3-000360	approved	R3	Modification to DCH control frame protocol		
005		F	RP-000104	R3-000476	approved	R3	Change of definition of QE		
006	1	F	RP-000104	R3-000878	approved	R3	Radio Interface Parameter Updates		
007	1	B	RP-000104	R3-000828	approved	R3	Addition of Spare Extension.		
008		F	RP-000104	R3-000558	approved	R3	Corrections to 25.427 on DTX		
009		D	RP-000104	R3-000555	approved	R3	Editorial changes to 25.427		
010		F	RP-000104	R3-000557	approved	R3	Aligned definition of Rx Timing Deviation		
011	1	F	RP-000104	R3-000762	approved	R3	DCH Frame Protocol Error Handling Clarification		
012		D	RP-000104	R3-000469	approved	R3	Removal of open issues chapter		
013	1	F	RP-000104	R3-000905	approved	R3	DL user plane synchronisation		
25.430 : UTRAN Iub Interface: General Aspects and Principles								3.0.0	3.1.0
001	4	C	RP-000105	R3-000954	approved	R3	Changes for CPCH		
002	1	F	RP-000105	R3-000667	approved	R3	Correction of Node B common resources for TDD		
003	1	C	RP-000105	R3-000543	approved	R3	PDSCH and PUSCH handling in NodeB		
004		C	RP-000105	R3-000224	approved	R3	Clarification to the functional split of System		
005	2	F	RP-000105	R3-000542	approved	R3	Generalisation of the combining/splitting		
006		D	RP-000105	R3-000505	approved	R3	Data stream definitions		
007		F	RP-000105	R3-000544	approved	R3	Functional list update		
25.433 : UTRAN Iub interface NBAP signalling								3.0.0	3.1.0
002		D	RP-000128	R3-000225	approved	R3	Editorial Improvements of NBAP version 3.0.0		
003		F	RP-000128	R3-000024	approved	R3	Insertion of missing mapping table; Functionsto		
004		F	RP-000128	R3-000025	approved	R3	Replacement of the Error Indication procedure with		
005		F	RP-000128	R3-000081	approved	R3	Missing Cause Values in the RL Failure procedure		
007		F	RP-000128	R3-000226	approved	R3	Scope of Transaction id		
008	3	F	RP-000108	R3-000728	approved	R3	Addition of measurement threshold information		
009		C	RP-000128	R3-000118	approved	R3	NBAP Extendibility		
010		F	RP-000128	R3-000229	approved	R3	Correction of Antenna Diversity parameters for		
011	2	C	RP-000108	R3-000760	approved	R3	Update to R3-000441.		
012	4	C	RP-000108	R3-000966	approved	R3	Physical shared channel reconfiguration		
013		F	RP-000128	R3-000015	approved	R3	Repetition of compressed mode information		
014		B	RP-000128	R3-000012	approved	R3	Changing Eb/N0 to SIR.		
015		F	RP-000128	R3-000138	approved	R3	TPC Step Size defined for TDD		
017		C	RP-000128	R3-000259	approved	R3	Simplified Audit procedure		
018		D	RP-000128	R3-000080	approved	R3	Use of Error Indication procedure on signalling		
019	1	F	RP-000128	R3-000494	approved	R3	Update of system information procedure		
020		F	RP-000128	R3-000088	approved	R3	Correction of number of possible CPICHs in a cell		
022		C	RP-000128	R3-000046	approved	R3	CR to 25.433: Editorial Correction of the ASN.1 with		
023		C	RP-000128	R3-000219	approved	R3	CR to 25.433: Editorial Correction of the ASN.1 with		
024	1	F	RP-000107	R3-000655	approved	R3	CR to 25.433: Editorial Correction of the ASN.1 with		
025		C	RP-000128	R3-000284	approved	R3	CR to 25.433: Editorial Correction of the ASN.1 with		
026		C	RP-000128	R3-000222	approved	R3	CR to 25.433: Editorial Correction of the ASN.1 with		
027	1	F	RP-000107	R3-000554	approved	R3	Modification for number of PCH channels for TDD		
028		F	RP-000128	R3-000298	approved	R3	Modifications to RADIO LINK ADDITION		
029		F	RP-000128	R3-000294	approved	R3	Frame Offset Correction		
030		B	RP-000107	R3-000471	approved	R3	Primary CPICH Power		
031	1	F	RP-000108	R3-000939	approved	R3	Change of definition of QE		
032	1	F	RP-000107	R3-000944	approved	R3	Update to R3-000478: CR32r1		
033	1	C	RP-000108	R3-000750	approved	R3	Introduction of RLS in NBAP		
034	1	C	RP-000108	R3-000753	approved	R3	Restriction to allowed procedure parallelism		
035		F	RP-000128	R3-000487	approved	R3	Clarification on measurement characteristics		
036		F	RP-000128	R3-000492	approved	R3	Alignment to R3 definition of puncturing limit range		
037		B	RP-000107	R3-000495	approved	R3	Pre-amble threshold for PRACH		
038	1	F	RP-000108	R3-000755	approved	R3	Inclusion of Beta C/D TFCS		
039		F	RP-000107	R3-000502	approved	R3	Clarification of the Blocking and Unblocking		
040	1	D	RP-000108	R3-000814	approved	R3	Editorial fault in tabular format		
041	1	F	RP-000107	R3-000730	approved	R3	Clarification on criticality modelling		
042		F	RP-000107	R3-000510	approved	R3	Enhancement of the description of the message		

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CR	Rev	Cat	RAN Doc	WG Doc	Status	WG	Subject		
043	3	B	RP-000107	R3-000976	approved	R3	Capacity Modeling of Node B		
045	1	F	RP-000107	R3-000790	approved	R3	Addition of exception to Error Indication		
046	1	C	RP-000107	R3-000735	approved	R3	Introduction of 'Repetition Number' into 'Criticality		
047	2	C	RP-000107	R3-000866	approved	R3	Criticality assignment for NBAP		
048	2	F	RP-000107	R3-000970	approved	R3	Removal of Sync Case 3		
050	F		RP-000107	R3-000539	approved	R3	Introduction of 'Presence' information element for		
051	1	F	RP-000108	R3-000758	approved	R3	UL Interference for TDD		
052	2	F	RP-000108	R3-000902	approved	R3	Clarification on the "RLC Mode" parameter		
053	1	F	RP-000108	R3-000775	approved	R3	Clarification on the definition of the DL Power IE		
054	1	F	RP-000108	R3-000816	approved	R3	Clarification on the DL power control procedure and		
055	2	C	RP-000108	R3-000854	approved	R3	Introduction of "TFI"		
057	1	B	RP-000108	R3-000951	approved	R3	A new IE for "RL information" regarding Transmit		
058	2	B	RP-000108	R3-000858	approved	R3	Support of infinite PD in compressed mode		
061	1	D	RP-000108	R3-000823	approved	R3	Some Editorial modifications to NBAP		
062	1	F	RP-000107	R3-000864	approved	R3	UL and DL UARFCN (NBAP)		
064	1	F	RP-000108	R3-000771	approved	R3	Modification to "TGD" unit and range (NBAP)		
065	1	D	RP-000107	R3-000796	approved	R3	Modification of System Information related IEs		
067	1	D	RP-000107	R3-000797	approved	R3	structuring of System Information Update Request		
071	1	C	RP-000108	R3-000803	approved	R3	Addition of cause values for NBAP block resource		
072	1	C	RP-000108	R3-000804	approved	R3	Addition of new indication type category in		
073	1	C	RP-000107	R3-000737	approved	R3	Proposed changes to NBAP to incorporate Node B		
074	1	D	RP-000107	R3-000745	approved	R3	CR to 25.433: Editorial changes to NBAP for better		
076	1	F	RP-000107	R3-000904	approved	R3	Beginning of DL transmission in one RL		
077	1	F	RP-000108	R3-000901	approved	R3	Correction for RACH		
25.434 : UTRAN Iub interface data transport & transport signalling for CCH data								Old: 3.1.0	New: 3.2.0
001	1	C	RP-000109	R3-000338	approved	R3	Changes for CPCH		
002	C		RP-000109	R3-000565	approved	R3	Changes for USCH		
25.435 : UTRAN Iub interface user plane protocols for CCH data streams								Old: 3.1.0	New: 3.2.0
001	3	B	RP-000110	R3-000952	approved	R3	Changes for CPCH		
002	C		RP-000110	R3-000131	approved	R3	DSCH data frame with PDSCH Identifier		
003	C		RP-000110	R3-000266	approved	R3	USCH frame protocol with PUSCH Identifier		
004	F		RP-000110	R3-000021	approved	R3	Correction for the PI-bitmap coding.		
005	1	D	RP-000110	R3-000514	approved	R3	Modification of the CRC description		
006	2	C	RP-000110	R3-000969	approved	R3	Modification to DSCH frame protocol		
007	1	B	RP-000110	R3-000830	approved	R3	Addition of Spare Extension.		
009	F		RP-000110	R3-000559	approved	R3	Corrections to 25.435 on DTX		
010	F		RP-000110	R3-000560	approved	R3	Aligned definition of Rx Timing Deviation		
011	F		RP-000110	R3-000562	approved	R3	Correction of PI Bitmapping for TDD		
012	F		RP-000110	R3-000561	approved	R3	Add QE in USCH Data Frame		
013	1	F	RP-000110	R3-000763	approved	R3	CCH Frame Protocol error handling		
014	D		RP-000110	R3-000470	approved	R3	Removal of open issues chapter		
25.442 : UTRAN Implementation Specific O&M Transport								Old: 3.1.0	New: 3.2.0
001	1	F	RP-000111	R3-000819	approved	R3	Clarifications to		
25.921 : Guidelines and principles for protocol description and error handling								Old: 3.0.0	New: 3.1.0
001	2	D	RP-000048	R2-000254	approved	R2	Further clarifications on specialised encoding		
003	1	D	RP-000048	R2-000520	approved	R2	Modification of the 'presence' column specification		
005	D		RP-000048	R2-000544	approved	R2	Editorial corrections on section 11.2		
006	D		RP-000048	R2-000619	approved	R2	Improvement of in tegers and enumerated, and		
25.922 : Radio Resource Management Strategies								Old: 3.0.0	New: 3.1.0
001	F		RP-000049	R2-000348	approved	R2	PDSCH code usage and signalling		
25.925 : Radio Interface for Broadcast/Multicast Services								Old: 3.0.0	New: 3.1.0
001	F		RP-000050	R2-000079	approved	R2	Miscellaneous corrections		
002	F		RP-000050	R2-000511	approved	R2	Correction of RNC functions		

Annex D: List of features and building blocks

TSG-RAN agreed the following preliminary list of features/building blocks that had been allocated to TSG-RAN, elaborated by TSG-SA WG2 and then modified by TSG-RAN:

- LCS support in UTRAN
[Request from SA2](#)
- SOLSA
[Request from SA2](#)
- Radio Interface Testing and requirement on equipment
- RAN O&M
[Request from SA2 and SA5](#)
- Out of Band Transcoder
[Proposed to be deleted because some solutions do not involve UTRAN](#)
- Evolution of bearers on the radio interface to enable IP based multimedia in UMTS
[Request from SA2](#)
- UTRAN improvement (UTRAN Internal Interfaces)
[To be broken down by RAN](#)
- Radio Interface Improvement
[To be broken down by RAN](#)
- Evolution of transport in the UTRAN (this belong to a feature called “evolution of the transport”)
- Positioning method enhancement
[Proposed by RAN](#)

Annex E: Preliminary classification of Work Items

This is a draft version for further discussion and completion, on the classification of work items and their allocation to parent features and building blocks.

Work Item	Feature	Building Blocks	Work task	Parent Feature/ Building block
Lower chip rate TDD (RP-00057)	X			
AAL2 QoS optimisation (RP-000134)			X	Evolution of the transport in the UTRAN (BB)
BTS classification (RP-00029& RP-000132)		X		Stand Alone BB
LCS for TDD and FDD (RP-00053 & RP-000135)		X		LCS Feature
Hybrid ARQ (RP-00054)		(?)		Radio Interface Improvement Feature
Node B Synchronisation in TDD (RP-00055)		X		Radio Interface Improvement and RAN Improvement Features
DL CPCH (RP-000150)		(?)		Radio Interface Improvement Feature
Repeaters (RP-00083)		X		Radio Interface Improvement and Position Method Enhancement Features
High speed DL (RP-00032)		(?)		Radio Interface Improvement and RAN improvement Features
Gated Transmission (RP-000155)		(?)		Radio Interface Improvement Feature
Handover for Real time Services on the PS (RP-000127)		X		Radio Interface Improvement, RAN Improvement and Evolution of bearers on the radio to enable IP based multimedia in UMTS Features
RAB QoS Negotiation over Iu (RP-000137)			X	RAN Improvement Feature
RAB Support (RP-000140)		X		RAN Improvement and Evolution of bearers on the radio to enable IP based multimedia in UMTS Features
RRM support over Iub and Iur (RP-000138)		X		Radio Interface Improvement and RAN Improvement Features
USTS (RP-000139)		(?)		Radio Interface Improvement Features
Compress Mode (RP-000180)		(?)		Radio Interface Improvement Features
Radio Link Performance Enhancement (RP-000181)			X	Radio Interface Testing and requirement on equipment BB
Support of Multiple CCTrCH (RP-000169)		(?)		Radio Interface Improvement Feature

Annex F: Meeting schedule

TSG-RAN

Meeting	Date	Host	Location
RAN#8	21 - 23 June 2000 (in conjunction with SMG#32)	Mannesmann	Dusseldorf, Germany
RAN#9	27 - 29 September 2000 1)	ARIB, TTP1	Oahu, Hawaii, USA
RAN#10	06 - 08 December 2000	Unisys	Bangkok, Thailand

1) These dates may change to 20-22 September 2000

TSG-RAN WG1

Meeting	Date	Host	Location
#12	10 - 13 April 2000	Samsung, LGIC, Hyundai	Seoul, Korea
#13	22 - 26 May 2000		Japan (tbc)
#14	04 - 07 July 2000	Nokia	Oulu, Finland
#15	22 - 25 August 2000	Siemens	Berlin, Germany
#16	09 - 13 October 2000	TTA (tbc)	Korea (tbc)
#17	20 - 24 November 2000		

TSG-RAN WG2

Meeting	Date	Host	Location
#12	10 - 13 April 2000	Samsung, LGIC, Hyundai	Seoul, Korea
#13	22 - 26 May 2000	TTP1	Kauai, HI, USA
#14	03 - 07 July 2000	Nortel	Paris, France
#15	21 - 25 August 2000	ETSI	Sophia Antipolis, France
#16	09 - 13 October 2000	CWTS, Ericsson	Beijing, China
#17	13 - 17 November 2000	ETSI	Sophia Antipolis, France

TSG-RAN WG3

Meeting	Date	Host	Location
#12	10 - 13 April 2000	Samsung, LGIC, Hyundai	Seoul, Korea
#13	22 - 26 May 2000	TTP1	Kauai, HI, USA
#14	03 - 07 July 2000	Nokia	Finland
#15	21 - 25 August 2000	Siemens	Berlin, Germany
#16	11 - 15 September 2000 (tbd)	Offer from US operators	Dallas, TX, USA (tbc)
#17	23 - 27 October 2000		Korea
#18	20 - 24 November 2000	Motorola	Chicago, IL, USA

TSG-RAN WG4

Meeting	Date	Host	Location
#12	22 - 26 May 2000	Nokia	Turku, Finland
#13	04 - 08 September 2000	Omnitel	Milan, Italy
#14	13 - 17 November 2000	ETSI	Sophia Antipolis, France