TSG-RAN meeting #6 TSG-RAN RP99603

Nice, France, 13-15 December 1999

Title: **Approved Report of the 5th TSG-RAN meeting**

Document for: **Information**

Source: **3GPP support team**

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1. Opening of the meeting

The chairman opened RAN#5 at 09.00 on 6 October 1999. TTA welcomed the delegates to Kyongju.

2. Approval of the agenda

Tdoc 525 Draft agenda (rev1) (RAN Chairman). Johan Sköld (Ericsson) suggested that Tdoc 490 should be presented early. The document was moved from agenda item 7 to the beginning of agenda item 6. With this, the agenda was agreed.

3. Approval of the meeting report of TSG-RAN Meeting no. 4

Tdoc 413 Final draft report of 4th RAN meeting including all comments (ETSI MCC). The revised meeting report of RAN#4 in Tdoc 413 had been distributed via the email reflector and was on the server. There were no further comments. The report was approved.

4. Inputs from other groups

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

Tdoc 420 LS on Comments on the revised version of ITU-R TG8/1 Recommendation M.1079 (SA WG4). The best way to handle this document, copied to TSG RAN, was to wait for comments from SA WG2. Nicola Pio Magnani, the ITU-Ad Hoc Contact Person, requested this document to be taken to agenda point 5 under ITU-Ad Hoc.

Tdoc 426 LS concerning the workplan for all-IP option for release 2000 (SA WG2). TSG RAN Vice-Chairman, Francois Courau, explained the document, which was for information. The document was noted.

Tdoc 427 LS on Acceptable Interference level from third generation systems into a UMTS MS receiver for the purpose of the cross border co-ordination of UMTS systems (ERC TG1). Johan Sköld (Ericsson) explained this document. The document did not need discussion and was noted.

Tdoc 545 TR <#> v0.4.1 Separating RR and MM specific parts of the MS Classmark (TSG-CN). This document was received without questions. It was for information. The accompanying LS was discussed as Tdoc 572.

Tdoc 572 Request for LS Answer from TSG-CN WG1(Fujitsu). Fujitsu presented this document. Francois Courau, Vice-Chairman of TSG-RAN stated that most of the problems had just been solved in a meeting with the Chairman of TSG-CN WG1, the evening before. No action was required.

Tdoc 565 LS on Connectionless services during the call (TSG SA). The RAN Chairman, Yukitsuna Furuya, presented this document. The answer to the first question was that it could happen, but not due to UTRAN. WG2 is working on a mechanism to remove the second limitation. With regard to the third and last question, there are no restrictions in terms of the air interface. Denis Fauconnier, the WG2 Chairman, drafted an answer. It is available in Tdoc 584.

Tdoc 566 LS on Definitions used for the Mobile Station/Terminal (TSG-T). Gunilla Bratt, representing the TSG-T group presented the document. It proposed to use the term 'Mobile System (MS)' instead of 'terminal', 'UE' etc. There was a lot of opposition to this proposal, with as main argument that UE was accepted universally three years ago. The consensus was that a clearer definition of UE was needed. A small ad hoc group chaired by Francois Courau, the RAN Vice-Chairman, clarified the UE definition. The updated UE definition was presented, and it was decided to refer in the vocabulary document to the specification.

Tdoc 573 LS on Terminology and vocabulary in 3GPP (TSG-T). Gunilla Bratt from TSG-T presented this document. The principal conclusions were endorsed. Instead of a liaison statement to SA, the RAN Chairman would mention this in his report to SA.

Tdoc 579 LS on freezing GSM Release 97 & Release 98 (TSG-CN). Francois Courau, the Vice-Chairman of TSG-RAN presented this document. No action was needed for the time being.

4.2 Others

Tdoc 415 LS from ITU-T SG11 (ITU-T SG11). Nicola Pio Magnani, the ITU-Ad Hoc Contact Person, explained the document. It was already covered.

Tdoc 417 LS concerning Requirements for all-IP Option for Release 2000 (T1P1). Don Zelmer, TSG RAN Vice-Chairman, explained the document. The document was for information.

Tdoc 488 Open Letter to Standard Organizations From Operators Harmonization Group on Global 3G (G3G) CDMA Standard Names (OHG). Yukitsuna Furuya, the RAN Chairman, introduced this document. Michael Farber, the Vice-Chairman of SMG2, asked if this document originated from the RAN Chairman, or from somewhere else. The source was not the RAN Chairman, but OHG. It was clarified that TSG RAN could not take a decision on this. It was pointed out that not all OHG members seem to support the position taken in the letter. However, Francois Courau said that in his understanding, this was the consensus of OHG. Onoe-san (NTT DoCoMo) mentioned that the letter was addressed to Standard Organizations, so RAN could not take a decision anyway. The Chairman encouraged the OHG members to make clear who is the source, and then directly input the document to PCG.

Tdoc 506 LS on measurement order parameters sent to the MS, for GSM to UMTS handovers (SMG2). Michael Farber, Vice-Chairman of SMG2, explained the document. He was of the opinion that RAN WG2 is the appropriate body to answer SMG2's question in order that SMG2 can continue with this work item. Mikko Rinne, Vice-Chairman of RAN WG2 said RAN WG2 had not yet had an opportunity to handle this document, but would do so in the next meeting.

Tdoc 510 New ASN.1 Syntax Checking Service from PTCC (ETSI OCG/PEX). Francois Courau, the RAN TSG Vice-Chairman explained that PEX is the ETSI group supporting formal testing procedures and methods. This document is to be forwarded to RAN WG4, and on the suggestion of Ericsson also to RAN WG2 and RAN WG3.

Tdoc 521 Review assessment of the WCDMA Radio Interface; Radio Technology Independent Parts (Chairman, ITU-T WP3/11 (Raj Pandya)). This document was moved to the ITU-Ad Hoc agenda item.

Tdoc 553 LS to 3GPP concerning Global Certification or Type Approval (UMTS Forum). The TSG-RAN Chairman presented this issue. After discussion it was concluded that the issue was relevant to TSG-T, but not to TSG-RAN, and that no action was required.

Tdoc 583 LS on a new C++ formal description technique possibly suitable for specification of the radio baseband processing for IMT2000 (Synopsys). The RAN Chairman presented this document. It was noted and it was provided as information for WG1.

5. Reports on PCG and Hooks & Extensions workshop

Tdoc 414 Agenda for ad-hoc meeting, hooks and extensions (RAN Chairman). It was not necessary to discuss the agenda, as the report was also available in Tdoc 429.

Tdoc 429 Report of the RAN August Workshop on Hooks and Extension (RAN Vice-Chairman). Francois Courau, the RAN Vice-Chairman, summarised the conclusions of the Workshop. In the workshop, an architecture was agreed and agreements on a division of work were made with 3GPP2. Yukitsuna Furuya, the RAN Chairman, commented that the RAN WGs should take into account the result of the workshop. Per Willars, Chairman of RAN WG3 said that RAN WG3 had not taken into account the results of the workshop yet, but would do so in its next meeting.

Tdoc 430 Draft Report of 3GPP2 workshop on Hooks and Extension (RAN Vice-Chairman). Francois Courau, the RAN Vice-Chairman, explained this document. It was a draft report of the workshop held in Los Angeles as follow-up to the August Workshop. Any comments on this draft have not been implemented yet. TSG RAN has to include hooks in Release 99. Denis Fauconnier, the Chairman of RAN WG2 stated that including the hooks is not a problem and that they will be in the appropriate specifications, although there are some questions left, for which a liaison has been sent already. Gary Jones (Omnipoint) stated that his impression was that the participants saw both the August workshop and the 3GPP3 workshop as very successful.

Tdoc 489 Draft summary minutes of 3GPP PCG#2 (PCG Secretary). PCG approved the revised TSG RAN WG3 Terms of Reference. There was some confusion over the status of an LS reply from PCG to RAN WG4, but this was not further discussed. The next PCG meeting is 19-20 January 2000.

6. Reports from TSG-RAN Groups

The TSG RAN Chairman requested the WGs to update their workplans and to produce a workplan for the year 2000, using the report that was going to be discussed in TSG SA on the contents of Release 2000.

As a general comment, it was agreed that an intermediate version of any specification can be made, with the same number that has been approved, plus a clear indication on the front page that it is a draft which includes CR x, CR y, CR z etc.

Tdoc 490 Measurements for FDD in UTRA specifications (Ericsson). Johan Sköld (Ericsson) presented this document. There was still a lack of synchronisation between the specification of measurements as done in WG1, WG2 and WG4. This document was a proposal for the naming and structure of the measurements for all three specifications about measurements: TS 25.103, TS 25.231 and TS 25.302. Antti Toskala, the Chairman of RAN WG1, considered the proposal a valuable one, but suggested that there had also been no co-ordination between the WGs on the requirements of the various WGs on the measurements. He suggested that a small joint meeting or ad hoc meeting be held to sort out these problems. Denis Fauconnier, the Chairman of RAN WG2 supported the process described in Tdoc 490, although he had some comments, and considered that an ad hoc was adding too much load, but that a feedback group would be useful. Per Willars,

Chairman of RAN WG3, stated that RAN WG3 needed a harmonised view of the measurements for its interface specifications. Siemens pointed out that different names were used in RAN WG2 CRs, and supported the idea of an ad hoc group to meet during the RAN meeting. Yukitsuna Furuya proposed to have such a meeting. Johan Sköld volunteered to chair the ad hoc meeting. Eisuke Fukuda, the Vice-Chairman of WG4, suggested that it was necessary to have more meetings between the WGs. This could be solved during the ad hoc meeting. The purpose of the ad hoc meeting was twofold: solving the naming issue and solving the differences of opinion between the WGs. The result of the ad hoc meeting is in Tdoc 548.

Tdoc 548 Report on measurements for FDD and TDD in UTRA specifications (Measurement drafting group). Siemens presented this document, which contained the result of the ad hoc meeting on measurements for FDD and TDD following the presentation of Tdoc 490. A comment on Table 2 was, that the current name was no longer that of 25.103, but it should be no problem for WG4 to figure out which measurement was meant. Where it stated that something is 'for release 2000', it should read 'for future release' instead. With these changes the document was approved. The new version is Tdoc 564.

Tdoc 564 Report on measurements for FDD and TDD in UTRA specifications (Measurement drafting group). This is the new version of Tdoc 548, which was approved.

Tdoc 550 TS 25.215 Naming of layer 1 measurements in TS 25.215 (Measurement drafting group). Ericsson presented this change to the specification TS 25.215 according to the contents of Tdoc 548. It was agreed to produce an update of the specification TS 25.215, based on Tdoc 550, which will be the basis for version 3.0.0 and which will replace Tdoc 479. The revised specification is in Tdoc 563.

Tdoc 551 TS 25.225 Physical layer – Measurements (TDD) (Measurement drafting group). Siemens presented this update of the specification TS 25.225 according to the contents of Tdoc 548. Although it reads 'v3.0.0', this is incorrect: it should read 'v2.0.0'. It was agreed to replace Tdoc 484 by Tdoc 551 and that will be the basis for v3.0.0.

Tdoc	TR	Presented as version	Title	Result	Final version
492/ 578	25.990	1.0.0/2.0.0	Vocabulary document	approved	3.0.0

The editor (Motorola) of this document, Tdoc 492, was not available, but it was proposed that the WGs shall check its consistency. Ericsson suggested to go quickly through the terminology with a small group during this meeting to prune the document. Nicola Pio Magnani, the ITU Ad Hoc Contact Person, suggested that it was an important document to be submitted to ITU, so he thought it would be a good idea if the WGs check it carefully. Denis Fauconnier, the Chairman of RAN WG2 suggested that this document be handled by e-mail because all editors of the specifications were not available in this meeting. Antti Toskala, the Chairman of RAN WG1 agreed with him. Yukitsuna Furuya, the Chairman of RAN, favoured the Ericsson suggestion to have a small ad hoc meeting. The editors of the specifications should be tasked to go through the documents, but in order to improve the speed of discussion an ad hoc meeting should be held during this meeting. Eisuke Fukuda, the Vice-Chairman of RAN WG4 thought that an ad hoc meeting could not be very useful because most editors are not there. Francois Courau, the Vice-Chairman of RAN, suggested to appoint a contact person responsible for getting the results from the editors.

Decisions: the editors were tasked to go through their specifications and check the consistency. It was also decided that all WGs in RAN should review and comment on the vocabulary document. Additionally an ad hoc meeting was held during the RAN meeting, chaired by Edgar Fernandez (Motorola). The ad hoc meeting

checked the document and changed the document where necessary. The result is reflected in Tdoc 578, which was approved. For questions and additions delegates are requested to contact the editor.

6.1 TSG-RAN WG1

6.1.1 Report from TSG-RAN WG1

Tdoc 474 RAN WG1 Report (RAN WG1). WG1 chairman Antti Toskala presented the report. Three WG1 meetings (6, 7 and 7bis) had taken place since RAN#4. Several specifications and reports were advanced and were presented in agenda item 6.1.3. Work in WG1 was well on track with respect to the time plan. All specifications were now within 80% stable. The report was endorsed.

6.1.2 Discussions on decisions from TSG-RAN WG1

Tdoc 416 LS on fast closed loop power control in FDD mode (RAN WG1).
Tdoc 421 LS on Support of Speech Service in RAN (RAN WG1).
Tdoc 422 LS on Support of Speech Service in RAN for FDD (RAN WG1). Antti Toskala (Nokia) presented these LS. Francois Courau, Vice-Chairman of TSG RAN, replied that it should be left to TSG SA WG1 to come with requirements on terminals and terminal types. Because the existing TSG T WG2 report was not sufficient from the point of view of RAN, Antti Toskala proposed to write a RAN-level TR to collect the information for co-ordination within RAN, to explain to other groups. The report could be discarded if the information turned out to be captured somewhere else. Peter van de Berg (Ericsson) stated that TSG T WG2 very much welcomes all other TSGs to create detailed documents that they can refer to.

Decision: Per Beming (Ericsson) would write the scope of a RAN-level TR, see Tdoc 577. Further discussion is referred to agenda point 7.

Tdoc 549 Text Proposal for TS 25.223 (Siemens, Ericsson, Nokia, NEC, NTT DoCoMo, InterDigital, Italtel). Siemens presented this document on behalf of the source companies. The document was approved. The contents will be in version 3.0.0.

6.1.3 Approval of contributions from TSG-RAN WG1

Specifications from WG1

Tdoc	TS	Presented as version	Title	Result	Final version
526/ 586	25.201	2.3.0	Physical layer –General Description	approved	3.0.0
475/ 587	25.211	2.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	approved	3.0.0
476/ 588	25.212	2.3.0	Multiplexing and channel coding (FDD)	approved	3.0.0
477/ 589	25.213	2.4.0	Spreading and modulation (FDD)	approved	3.0.0

478/ 531	25.214	2.0.0	FDD; physical layer procedures	approved[1)]	3.0.0
563/ 590	25.215	2.0.0	Measurements (FDD)	approved	3.0.0
480/ 591	25.221	2.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	approved	3.0.0
481/ 592	25.222	2.3.0	Multiplexing and channel coding (TDD)	approved	3.0.0
482/ 593	25.223	2.4.0	Spreading and modulation (TDD)	approved[2)]	3.0.0
483/ 594	25.224	2.1.0	TDD; physical layer procedures	approved[3)]	3.0.0
551/ 595	25.225	2.0.0	Measurements (TDD)	Approved	3.0.0
n/a	25.231	Split into 215, 225	Physical layer; measurements	-	n/a

1) editorial corrections: clean up references; remove editorial note Annex C; change references to 25.231 to 25.215

2) contents of Tdoc 549 should be reflected

3) editorial correction: front page has two version numbers, it should be 2.1.0

Technical reports from WG1

Tdoc	TR	presented as version	Title	decision	Final version
527	R1.03	0.1.0	Physical Layer Items Not For Inclusion In Release '99	for info; endorsed	0.1.0

6.2 TSG-RAN WG4

6.2.1 Report from TSG-RAN WG4

Tdoc 441 RAN WG4 report (RAN WG4). Eisuke Fukuda, the WG4 Vice-Chairman, presented this report on behalf of Howard Benn, the Chairman. There had been two meetings, during which substantial progress had been made. Work was on schedule for completion by December this year. Progress of TDD work was a bit slow compared to FDD work. Values for the CWTS proposal had not been incorporated yet, and WG4 requested RAN to encourage CWTS to make pertinent contributions in time. The report was endorsed.

6.2.2 Discussions on decisions from TSG-RAN WG4

Tdoc 528 Status of specification document of RAN WG4 (RAN WG4 Vice-Chairman). The RAN WG4 Vice-Chairman Eisuke Fukuda presented this document. It was the reply to the TSG RAN Chairman's

question about the status of Release 99. The document did not reflect the consensus of WG4 yet with respect to what was and what was not essential for Release 99. In particular there was no support in the RAN plenary meeting for the statement that co-existence of GSM 900/DCS 1800 and UTRA was not essential for Release 99. It was suggested that the source should not be RAN WG4, but Vice-Chairman of WG4, which was decided. Yukitsuna Furuya, the RAN Chairman recommended RAN WG4 to discuss the contents of the document. The document was noted.

Tdoc 423 LS on radio simulator capabilities (RAN WG4). The RAN WG4 Vice-Chairman Eisuke Fukuda presented this document. Several different opinions were expressed on the topic of error patterns. Further discussion of this document was deferred to agenda point 7.

Tdoc 424 LS on Physical Layer Measurements Requirements (RAN WG4). The RAN WG4 Vice-Chairman Eisuke Fukuda presented this document. This document was for information and no action was needed.

Tdoc 428 LS to WG1 on fast closed loop power control in FDD mode (RAN WG4). The RAN WG4 Vice-Chairman Eisuke Fukuda presented this document. This document was for information and no action was needed.

Tdoc 491 Channel models for deployment of UTRA (Ericsson). Johan Sköld (Ericsson) presented this document, which described a proposal to have a common reference for deployment evaluation in different deployment environments. RAN WG4 was proposed to perform this task. It was commented that the proposal was a step in the right direction, but might not be enough, and it was proposed that RAN WG4 study whether the channel models alone are sufficient. Yukitsuna Furuya, the RAN Chairman, stated that those were two distinct tasks and that they should be kept separate. It was decided to agree the proposal in Tdoc 491 and task RAN WG4 with it.

Tdoc 486 Text Proposal for TS 25.101 (BellSouth Cellular Corp). Tdoc 529 replaced this document.

Tdoc 487 Text Proposal for TS 25.102 (BellSouth Cellular Corp). Tdoc 530 replaced this document.

Tdoc 529 Text Proposal for TS 25.101 and TS 25.104 (BellSouth Cellular Corp).
Tdoc 530 Text Proposal for TS 25.102 and TS 25.105 (BellSouth Cellular Corp). Don Zelmer, the RAN Vice-Chairman, presented these two documents, which superseded documents Tdoc 486 and Tdoc 487. The recommendation was to add the proposed changes to the relevant specifications prior to raising them to version 3.0.0. The reason it was brought to RAN plenary rather than RAN WG4 was a lack of time for the ITU submission. The RAN WG4 Vice-Chairman, Eisuke Fukuda, stated that he is in favour of the changes, but that he requested BellSouth to come with more detailed contributions for the next RAN WG4 meeting. The general consensus in the RAN meeting was to support the addition. There were various comments about the notes in the proposal, and the precise text was subsequently agreed offline. With these changes, the proposals (both Tdoc 529 and Tdoc 530) were approved to be added to the specifications before the upgrade to version 3.0.0. The new versions are in Tdoc 540 and Tdoc 541.

Tdoc 540 Text Proposal for TS 25.101 & TS 25.104 (BellSouth Cellular Corp).
Tdoc 541 Text Proposal for TS 25.102 & TS 25.105 (BellSouth Cellular Corp). These documents contain the changes agreed on Tdoc 529 and Tdoc 530.

6.2.3 Approval of contributions from TSG-RAN WG4

Specifications from WG4

Tdoc	TS	Presented as version	Title	Result	Final version
432/ 568	25.101	2.4.1	UE Radio transmission and reception (FDD)	approved[1)]	3.0.0
539/ 569	25.104	2.4.1	BTS Radio transmission and reception (FDD)	approved[1)]	3.0.0
542/ 570	25.102	2.1.0	UE Radio transmission and reception (TDD)	approved[1)]	3.0.0
543/ 571	25.105	2.1.0	BTS Radio transmission and reception (TDD)	approved[1)]	3.0.0
436/ 599	25.103	2.0.0	RF parameters in support of RRM	for info; endorsed	2.0.0
544	25.141	2.0.2	Base station conformance testing (FDD)	for info; endorsed	2.0.2
438	25.142	2.0.0	Base station conformance testing (TDD)	for info; endorsed	2.0.0
495	25.113	1.2.0	BTS (EMC)	for info; noted	1.2.0

1) taking into account Tdoc 540 and Tdoc 541, to be added by MCC

Technical reports from WG4

Tdoc	TR	Presented as version	Title	Result	Final version
513	30.504	1.4.0	Time plan	for info; noted	1.4.0
431/ 567	25.941	2.2.1	Document structure	approved	3.0.0
440	25.942	2.0.0	RF Scenarios	for info; endorsed	2.0.0

Denis Fauconnier (Chairman of RAN WG2) asked what it meant for a TR to be approved. Reports could be approved and would then be subject to change control. The MCC would check the exact procedure on TRs.

Note: after the meeting, the RAN Secretary, Hans van der Veen, checked the handling of TRs. The result is, that there is no difference in handling of TRs compared to TSs. If a document is approved, for instance

because it needs to be forwarded to another body (e.g. ITU), it will from then on be under change control and can only be changed with CRs. If this is to be avoided, the document should not be approved but endorsed.

6.3 TSG-RAN WG2

6.3.1 Report from TSG-RAN WG2

Tdoc 459 Status report of RAN WG2 (RAN WG2). The WG2 chairman Denis Fauconnier presented the report. WG2 had had two meetings since the previous RAN plenary meeting. Work was according to time plan as far as the approval of specifications was concerned and had well progressed. A lot of CRs on previously approved specifications had already been produced. The time plan had not been updated to reflect the extension (following from the Hooks and Extensions workshop). It was approved to put the extension in the time plan for approval at RAN plenary #7 (March 2000). The report stated wrongly that CR 007 to TS 25.301 was withdrawn. The report was endorsed.

6.3.2 Discussions on decisions from TSG-RAN WG2

Tdoc 425 LS on Use of Prioritising Channel Selection for Cell Selection Procedure (RAN WG2). The WG2 Chairman presented this document, seeking guidance on priority issues. Francois Courau, the Vice-Chairman of TSG RAN, commented that this topic had been discussed before, and that a solution had not been agreed. Peter van de Berg (Ericsson) mentioned that this topic was related to mechanisms that are still under discussion, that it would therefore not be possible to answer the question today, and that it might actually not help in the problem. Some operators expressed concerns. No decision could be taken.

Tdoc 507 LS on selected location service methods for Release '99 (RAN WG2). The WG2 Chairman presented this document. The document was for information and needed no decision.

Tdoc 508 LS on the simultaneous connection of the UTRAN to two CN's (RAN WG2). The WG2 Chairman presented this document. TSG SA would make the decision; TSG SA WG1 was the proper body to answer the question. .

6.3.3 Approval of contributions from TSG-RAN WG2

Tdoc 418 TS 25.301 CR-007 Removal of quick repeat from RLC functions (NTT DoCoMo). This CR was included in Tdoc 460 with updated source etc. and was therefore replaced by the version in there.

Specifications from WG2

Tdoc	Agreed as spec.	Presented as version	Title	Result	Final version
460 (CRs) 575 (CR 008) 576 (CR 018)	25.301	3.1.0	Radio Interface Protocol Architecture	Approved	3.2.0

461 (CRs)	25.302	3.0.0	Services provided by the physical layer	CR 003 postponed[1]; rest approved	3.1.0
462 (CRs)	25.303	3.0.0	Inter-layer procedures in connected mode	Approved	3.1.0
464	25.304	1.6.0[3]	UE procedures in Idle Mode	Approved	3.0.0
471 (old TR)	25.305 (25.923)	n/a	Location services (LCS) features	see TR 25.923 below	n/a
463 (CRs)	25.321	3.0.0	MAC protocol specification	CR 005 withdrawn; CR 020 postponed; rest approved[2]	3.1.0
465	25.322	1.3.0[3]	RLC protocol specification	approved	3.0.0
466	25.323	0.1.0	PDCP protocol specification	for info; noted	0.1.0
467	25.324	0.1.0	BMC protocol specification	for info; noted	0.1.0
524	25.331	1.5.0[3]	RRC protocol specification	approved	3.0.0

1) CR 003 to TS 25.302 was postponed. All CRs on this issue, which impacts WG1, to be issued for next RAN meeting.

2) CR 005 to TS 25.321 was withdrawn because CR 021 to TS 25.321 had superseded it.
CR 020 to TS 25.321 was postponed for the same reason as CR 003 to TS 25.302.

3) Due to a misunderstanding of the approval procedure by WG2, these documents did not have version 2.0.0. However, these versions were presented by WG2 for approval and should therefore considered to be in version 2.0.0.

Technical reports from WG2

Tdoc	TR	presented as version	Title	decision	final version
469	25.921	1.3.0	Guidelines and principles for protocol description and error handling (report)	for info; noted[1]	1.3.0
470	25.922	0.5.0	RRM strategies	for info; noted	0.5.0
471	25.923	1.4.0	Location services (LCS) features	for info; noted[2]	1.4.0
472	25.924	0.2.0	ODMA	for info; noted	0.2.0
473	25.925	0.2.0	Broadcast/Multicast services	for info; noted[3]	0.2.0
577	25.926	scope only	UE radio access capabilities definition	agenda item 7	n/a

1) This document was planned to be a joint document of WG2 and WG3. The document would be brought into the WG3 meeting by one of the WG3 delegates.

2) This document was approved to become a specification. The new specification number was TS 25.305.

3) This document was from now on a joint document with TSG-SA WG2, which would maintain the document.

6.4 TSG-RAN WG3

6.4.1 Report from TSG-RAN WG3

Tdoc 458 RAN WG3 Status Report (RAN WG3). The WG3 chairman Per Willars presented the report. Three meetings of WG3 had been held since RAN#4. Although the progress had been good, there were still a lot of open issues. RAN WG3 had given priority to the specifications, which is why little progress had been made on the TRs. Not all specifications that had to be agreed at this TSG RAN meeting could actually be agreed in the opinion of RAN WG3. The TSG RAN Chairman commented that in Miami a procedure had been agreed on specifications that should be approved, but for which problems were encountered. The RAN WG3 Chairman requested the RAN meeting to provide some prioritisation of issues in the specifications, as he did not consider it fruitful to have such a discussion in RAN WG3 itself, as all features were considered important by one or more companies. It was agreed to have a chairmen's meeting to agree on the contents of Release 99 with respect to Iu, Iur and Iub, and to make a proposal for prioritisation to RAN WG3. The result of that meeting is in Tdoc 574. The report was endorsed.

Tdoc 574 Prioritisation for R3 regarding Release 99 (RAN, R1, R2, R3 Chairmen, RAN Vice-Chairmen). Francois Courau, the RAN Vice-Chairman presented this document. Although some issues might be delayed to March 2000, all issues were regarded to be part or Release 99. The document was approved and was attached to this report in Annex D.

6.4.2 Discussions on decisions from TSG-RAN WG3

None.

6.4.3 Approval of contributions from TSG-RAN WG3

A discussion was held on the general principle of commonality of TDD and FDD work. The result was that maximum commonality between TDD and FDD should be considered and was favoured. The conclusion was that the specifications could be approved as they are, but that WG3 was encouraged to try to submit CRs to maximise commonality.

A comment that is valid generally for all specifications (not just WG3 ones) is that it is not a good idea to have open issues in the specifications, but to include them on a cover sheet instead. Otherwise a CR is necessary to remove open issues! It was decided to include open issues in the workplan. The support team was asked to remove the list of open issues from all relevant specifications.

All CRs presented by the WG3 Chairman were actually sourced by WG3, although the actual CRs may mention a company name. Also, in the CRs, a few times mistakenly version 3.0.1 was mentioned as the original version. The correct original version was 3.0.0

Specifications from WG3

Tdoc	TS	Presented as version	Title	Result	Final version
442	25.401	2.0.0	UTRAN Overall Description	approved	3.0.0
485	25.402	0.0.1	Synchronisation in UTRAN Stage 2	for info; noted	0.0.1
443	25.410	2.0.0	UTRAN Iu Interface: General Aspects and Principles	approved	3.0.0
no CRs	25.411	3.0.0	UTRAN Iu interface Layer 1	-	3.0.0
514 (CRs)	25.412	3.0.0	UTRAN Iu interface signalling transport	approved	3.1.0
447	25.413	1.3.1	UTRAN Iu interface RANAP signalling	for info; noted	1.3.1
517 (CRs)	25.414	3.0.0	UTRAN Iu interface data transport & transport signalling	approved	3.1.0
450	25.415	2.0.0	UTRAN Iu interface user plane protocols	approved[1)]	3.0.0
444	25.420	1.0.1	UTRAN Iur Interface: General Aspects and Principles	for info; noted	1.0.1
no CRs	25.421	3.0.0	UTRAN Iur interface Layer 1	-	3.0.0
515 (CRs)	25.422	3.0.0	UTRAN Iur interface signalling transport	approved	3.1.0
448	25.423	1.4.0	UTRAN Iur interface RNSAP signalling	noted	1.4.0
518 (CRs)	25.424	3.0.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	approved	3.1.0
552	25.425	0.2.5	UTRAN Iur interface user plane protocols for CCH data streams	noted	0.2.5
520 (CRs)	25.426	3.0.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	approved	3.1.0
453	25.427	2.0.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	approved	3.0.0
445	25.430	2.0.0	UTRAN Iub Interface: General Aspects and Principles	endorsed	2.0.0

no CRs	25.431	3.0.0	UTRAN Iub interface Layer 1	-	3.0.0
516 (CRs)	25.432	3.0.0	UTRAN Iub interface signalling transport	approved	3.1.0
449	25.433	1.3.0	NBAP specification	noted	1.3.0
519 (CRs)	25.434	3.0.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	approved	3.1.0
452	25.435	2.0.0	UTRAN Iub interface user plane protocols for CCH data streams	approved[2)]	3.0.0
446	25.442	2.0.0	UTRAN Implementations specific O&M transport	approved	3.0.0

1) editorial correction: title should be corrected to the one in the 'Title' column of this table

2) editorial corrections: first word in 4.1 should be replaced by 'Common transport channel'; in 5.1.4, figure 5 caption should read 'USCH Data Transfer Procedure'

Technical reports from WG3

Tdoc	TR	presented as version	Title	decision	final version
454	25.931	1.2.2	UTRAN Functions, examples on signalling procedures	for info; noted	1.2.2
456	25.832	2.4.0	Manifestations of handover and SRNS relocation	approved	3.0.0
457	30.531	0.3.1	TSG RAN WG3 Work Plan and Study Items		0.3.1
455 with-drawn	25.831	-	TSG RAN WG3 Study Items for Future Release	-	-
n/a	I3.05	-	Node B O&M Functional Descriptions	-	-

6.5 ITU-Ad Hoc

6.5.1 Report from ITU-Ad Hoc

Tdoc 496 Status Report. The ITU-Ad Hoc contact person Nicola Pio Magnani (CSELT) presented the report. When the documents of the current TSG RAN meeting would have been handled, the mandate of the ITU-Ad Hoc would be concluded. Further work was not foreseen, but was not impossible, and the ITU-Ad Hoc Contact Person therefore proposed to have the group enter an 'idle' state.

Tdoc 497 Report of the ITU/SDOs meeting (ITU-Ad Hoc Contact Person). The SDOs wanted references to be made to SDO material, not directly to 3GPP material. In practice this was done through reference via a hyperlink (or mirror) on the various SDO sites. The document was for information.

Tdoc 500 Overview of 3GPP Radio Interface Specifications for ITU (ITU-Ad Hoc Contact Person). The initial overview provided to ITU had been approved already by correspondence.

Tdoc 501 Radio interface for specifications for IMT-2000 developed by 3GPP TSG RAN (material sent to ITU-T via CN) (ITU-Ad Hoc Contact Person). Material provided to ITU had been approved already by correspondence.

Tdoc 504 Composite document containing the material submitted to ITU by September, 1st (ITU-Ad Hoc Contact Person). This document was for information and needed no discussion.

Tdoc 505 Comments on the material submitted to ITU by September, 1st (ITU-Ad Hoc Contact Person). This document contains comments on all submissions, not only RAN submission. It was not necessary to discuss this document which was for information.

6.5.2 Discussions on decisions from ITU-Ad Hoc

ITU IMT-2000 Radio Interface Specifications Documents

Nicola Pio Magnani, the ITU-Ad Hoc Contact Person, explained the structure of the IMT-2000 Radio Interface Specifications, introduced the relevant documents and invited comments on the documents in order that these can be taken on board before approval.

Tdoc 538 3GPP TSG RAN contribution of Section 5.x.1 of IMT.RSPC (ITU-Ad Hoc Contact Person). This is a contribution with guidance for the introduction of the IMT-2000 Radio Interface Specifications. TG8/1 will write the introduction, but will consider inputs from TSG RAN. It was commented that he last two sentences should apply to TDD only, which would be clearer if a break were to be introduced before these two sentences. With this change the document was approved.

Tdoc 558 3GPP TSG RAN contribution of Section 5.x.1 of IMT.RSPC (TSG-RAN). This is a revision of Tdoc 538 with the requested changes included and thus approved.

Tdoc 503 Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (ITU-Ad Hoc Contact Person). This document is for Section 5.x.2 - FDD. The Chairmen of the TSG WGs were asked to check that the technical contents of this document for ITU are correct.

Tdoc 559 Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (FDD) (TSG-RAN). This is an update of Tdoc 503 and was approved.

Tdoc 535 Proposed revision of the ‘Overview’ of 3GPP Radio Interface (TDD) (ITU-Ad Hoc Contact Person). This document for Section 5.x.2 - TDD - shows the split of the ITU document into two parts (the 3GPP TDD proposal and the CWTS TD-SCDMA proposal). The lower chip rate (1.28) has not yet been taken into account. It was approved to add the lower chip rate to this document.

Tdoc 560 Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (TDD) (TSG-RAN). This is an update of Tdoc 535 that does not include the last-minute contribution of the Chinese proposal yet. The document was approved.

Tdoc 582 Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (TDD) (TSG-RAN). This is an update of Tdoc 560 for the Chinese proposal part, with comments from CWTS on the entire

document included as well. The document can be sent directly to ITU-R as answer to the liaison sent by ITU and does not need to be endorsed by an individual member of ITU. The document was approved.

Tdoc 499 3GPP Radio Interface Specifications (ITU-Ad Hoc Contact Person). Tdoc 536 and Tdoc 537 replaced this document.

Tdoc 536 3GPP Radio Interface Specifications (Section 5.x.3 - FDD) (ITU-Ad Hoc Contact Person). The real part of the document is the attachment (references to the specifications). The proposal is to approve the document with an empty table and to ask each of the SDOs to fill out the table before forwarding it to ITU. It is commented that RAN may not be allowed to send something directly to the SDOs, bypassing PCG. It is decided to send a copy to PCG. The document was approved.

Tdoc 561 3GPP Radio Interface Specifications (Section 5.x.3/FDD) (TSG-RAN). This document is an update of Tdoc 536, including some additional references received from TSG CN. The document was approved.

Tdoc 580 3GPP Radio Interface Specifications (Section 5.x.3/FDD) (TSG-RAN). This document is an update of Tdoc 561 (reference to TR 25.990 – Vocabulary - included). The document was approved. Material from TSG-T (a reference list) will be added to Tdoc 580 and the new version will be sent to ITU without further need for discussion in TSG-RAN (the ITU-Ad Hoc Contact Person will check the TSG-T material editorially). The new version is Tdoc 597.

Tdoc 597 3GPP Radio Interface Specifications (Section 5.x.3/FDD) (TSG-RAN). This document is the approved update of Tdoc 580.

Tdoc 537 3GPP Radio Interface Specifications (Section 5.x.3/TDD) (ITU-Ad Hoc Contact Person). This is a similar document to Tdoc 536, but for TDD and therefore with a split for 3GPP TDD and TD-SCDMA. The TD-SCDMA part is currently just a placeholder. If information from CWTS is received it will be put in, otherwise it will be sent to the SDOs and ITU-R TG 8/1 as is. The document was approved.

Tdoc 562 3GPP Radio Interface Specifications (Section 5.x.3/TDD) (TSG-RAN). This is a revision of Tdoc 537. It incorporates all revisions and comments received on the basis of Tdoc 537, as well as some additional references received from TSG CN. The document was approved.

Tdoc 581 3GPP Radio Interface Specifications (Section 5.x.3/TDD) (TSG-RAN). This is a revision of Tdoc 562. It contains a small modification (reference to TR 25.990 – Vocabulary - included). The document was approved. As with Tdoc 580, a new version will be produced for the TSG-T material, with the same approach. The new version is Tdoc 598.

Tdoc 598 3GPP Radio Interface Specifications (Section 5.x.3/TDD) (TSG-RAN). This is the approved revision of Tdoc 581.

Tdoc 534 Proposed letter to Organizational Partners on references in section 5.x.3 of IMT.RSPC (ITU-Ad Hoc Contact Person). This is the proposed letter to the SDOs, which will be copied to PCG. This document was approved with some minor editorial changes identified by the ITU-Ad Hoc Contact Person himself.

Tdoc 555 Letter to Organizational Partners on references in section 5.x.3 of IMT.RSPC (TSG-RAN). This is the update of Tdoc 534 in which the minor editorial changes have been done. The document was therefore still considered to be approved. The update is in Tdoc 596.

Tdoc 596 Letter to Organizational Partners on references in section 5.x.3 of IMT.RSPC (TSG-RAN). This is the approved update of Tdoc 555.

Tdoc 533 Complete set of 3GPP Radio Interface Specifications (ITU-Ad Hoc Contact Person). This document was supposed to be supplied to ITU-R TG 8/1 for information. The document was approved.

Other documents

Tdoc 502 Unwanted Emissions to be Included in ITU-R IMT.RSPC (Ericsson). The reason for this document was that ITU decided to have a separate section on unwanted emissions and required input. Ericsson looked into the RAN WG4 specifications and took the relevant parts from them. The TSG RAN Vice-Chairman Francois Courau expressed his concern that copying the information creates the danger that in future the sections may unintentionally deviate. This was recognised as a problem. Therefore, it will be proposed to ITU to make a reference in a separate section on unwanted emissions to the relevant specifications, rather than have a separate text. As ITU requires the text, it will be retained, but with the addition of the above proposal.

Tdoc 556 Unwanted Emissions to be Included in ITU-R IMT.RSPC (TSG-RAN). This is a revision of Tdoc 502. It captures the outcome of the discussion on that document. The document was approved.

Tdoc 420 LS on Comments on the revised version of ITU-R TG8/1 Recommendation M.1079 (SA WG4). This document was moved from agenda item 4. This document was copied to TSG RAN. No action was required.

Tdoc 511 Specification TS C401 (CWTS). This document was for information only.

Tdoc 512 Specification TS C402 (CWTS). This document was for information only.

Tdoc 521 Review assessment of the WCDMA Radio Interface; Radio Technology Independent Parts (Chairman, ITU-T WP3/11 (Raj Pandya)). This document was moved from agenda item 4. This document was for information and no action was required.

Tdoc 532 Proposed liaison to TSG SA on the ITU-R TG 8/1 revision of Recommendation M.1079 (ITU-Ad Hoc Contact Person). This document was withdrawn because during the RAN plenary meeting Tdoc 547 was received.

Tdoc 547 LS to TSG-RAN on ITU-R TG8/1 Recommendation M.1079 (TSG-SA2). The document was noted.

Tdoc 557 Proposed Liaison to TSG-SA on the ITU-R TG8/1 on the revision of recommendation M.1079 (ITU-Ad Hoc Contact Person). The liaison statement was approved.

Tdoc 546 Roadmap Document ITU-T IMT-2000 (Ericsson). This document is to be co-ordinated in the Kyongju TSG-SA plenary meeting. RAN recommends to ITU-T to refer to the SDO documents instead of 3GPP. A common answer from the entire 3GPP is needed. TSG-RAN Secretary Hans van der Veen would check that the list is correct.

6.5.3 Approval of contributions from ITU-Ad Hoc

Tdoc 498 Answer to ITU-R TG 8/1 on the use of formal description technique (ITU-Ad Hoc Contact Person). This answer states that due mainly to time constraints we will not adopt ITU's suggestion. The document was approved.

Tdoc 554 Answer to ITU-R TG 8/1 on the use of formal description technique (TSG-RAN). This is updated version of Tdoc 498, with some minor modifications. A wrong reference was corrected, but no further change, so the document was still considered to be approved.

7. Technical co-ordination among WGs

Tdoc 423 LS on radio simulator capabilities (RAN WG4). This document was discussed before in agenda point 6.2.2. No proposals were received since then, so no action was needed.

Tdoc 577 Proposed scope of Technical Report 'UE radio access capabilities definition' (Ericsson, NEC Technologies (UK) Ltd, Nokia). Ericsson presented this report, which is introduced to satisfy the problems encountered in WG1, as reported by the chairman in agenda item 6.1.2. It proposes that WG2 maintain this document, rather than the RAN plenary (the approval procedure is, as with all reports, under control by the plenary of course). The proposal was approved and the report number is TR 25.926.

8. Outputs to other groups

The documents mentioned here were handled under other agenda items but have been collected in this agenda item for convenience. <outputs to ITU to be checked with the ITU Ad Hoc Contact Person>

Tdoc 557 Proposed Liaison to TSG-SA on the ITU-R TG8/1 on the revision of recommendation M.1079 (ITU-Ad Hoc Contact Person). See agenda item 6.5.2. The LS was approved.

Tdoc 584 Proposed Answer to TSG-SA WG1, cc SA WG2, RAN WG2 and TSG-T on Connectionless services during the call (Denis Fauconnier). See agenda item 4.1. This document captures the answers given in the discussion on Tdoc 565. The LS was approved and can be found in Tdoc 585.

Tdoc 585 Proposed Answer to TSG-SA WG1, cc SA WG2, RAN WG2 and TSG-T on Connectionless services during the call (TSG RAN). This is the approved version of Tdoc 584.

Additionally, the following documents were forwarded to other groups:

Tdoc 508. See agenda item 6.3.2. Forwarded to SA WG1.

Tdoc 510. See agenda item 4.2. Forwarded to RAN WG2, RAN WG3 and RAN WG4.

Tdoc 583. See agenda item 4.2. Forwarded to RAN WG1.

9. Project management

Tdoc 493 Expected Specification and Reports approval dates (Ian Doig, MCC). This document was withdrawn.

Tdoc 494 3GPP Programme Management for R99 and R2000 (BT). BT presented this contribution, which had largely been overtaken by events. The principle of the contribution was approved. Which level of detail was necessary, needed to be discussed among the TSG Chairmen and be solved at the Kyongju TSG-SA plenary meeting.

Tdoc 522 3GPP Specification TS 21.101 v0.3.0 (Ian Doig, MCC). Ian Doig (MCC) presented this document. RAN was asked to review the list of specifications and tell Ian if any were missing.

Tdoc 523 GSM Specification 01.01 v0.3.0 (Ian Doig, MCC). This document was for information and was not presented.

Tdoc 600 3GPP Work Program Database Presentation (Ian Doig, MCC). This presentation was not discussed during the meeting.

10. Workplan and future meetings

For future meetings, see Annex C of these minutes. Companies are kindly requested to check if they can host future meetings of the RAN WGs.

11. Any Other Business

Tdoc 419 The use of repeaters in UTRA (Allgon). Allgon presented this document. It was decided to start a feasibility study to see if a repeater specification could be added as a RAN Work Item for Release 2000.

Tdoc 509. This document number was reserved but not allocated.

12. Closing

The chairman closed the meeting at 16.30 on Friday 8 October 1999 and thanked all delegates for the hard work that is likely to lead to a good specification. He also thanked the hosts for the excellent meeting facilities.

Annex A: List of delegates

		Name		*E-mail*	*Organisation name, Status, Partner and Country*				*Role*
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Annex B: List of documents

Doc.No.	Title	Source	Ag.It.	Comments
RP-99413	Final draft report of 4th RAN meeting including all comments	MCC, David Williams	3	
RP-99414	Agenda for ad-hoc meeting, hooks and extensions	RAN Chairman	5	
RP-99415	LS from ITU-T SG11	ITU-T SG11	4.2	
RP-99416	LS on fast closed loop power control in FDD mode	TSG RAN WG1	6.1.2	
RP-99417	LS concerning Requirements for all-IP Option for Release 2000	T1P1	4.2	
RP-99418	TS25.301 CR-007 Removal of quick repeat from RLC functions	NTT DoCoMo	6.3.3	Replaced by RP-99460
RP-99419	The use of repeaters in UTRA	Allgon	11	
RP-99420	LS on Comments on the revised version of ITU-R TG8/1 Recommendation M.1079	TSG SA WG4	6.5.2	
RP-99421	LS on Support of Speech Service in RAN	TSG RAN WG1	6.1.2	
RP-99422	LS on Support of Speech Service in RAN for FDD	TSG RAN WG1	6.1.2	
RP-99423	LS on radio simulator capabilities	TSG RAN WG4	7	
RP-99424	LS on Physical Layer Measurements Requirements	TSG RAN WG4	6.2.2	
RP-99425	LS on Use of Prioritising Channel Selection for Cell Selection Procedure	TSG RAN WG2	6.3.2	
RP-99426	LS concerning the work plan for all-IP option for release 2000	TSG SA WG2	4.1	
RP-99427	LS on Acceptable interference level from third generation systems into a UMTS MS receiver for the purpose of the cross border co-ordination of UMTS systems	ERC TG1	4.1	
RP-99428	Liaison statement to WG1 on fast closed loop power control in FDD mode	TSG RAN WG4	6.2.2	
RP-99429	Report of the RAN August Workshop on Hooks and Extension	RAN Vice-Chairman	5	
RP-99430	Draft Report of 3GPP2 workshop on Hooks and Extension	RAN Vice-Chairman	5	
RP-99431	TR25.941 ver2.2.1 Document structure	TSG RAN WG4	6.2.3	V3.0.0 in RP-99567
RP-99432	TS25.101 ver2.3.0 UE Radio transmission and reception (FDD)	TSG RAN WG4	6.2.3	V3.0.0 in RP-99568
RP-99433	TS25.104 ver2.3.0 BTS Radio transmission and reception (FDD)	TSG RAN WG4	6.2.3	Replaced by RP-99539
RP-99434	TS25.102 ver2.0.0 UE Radio transmission and reception (TDD)	TSG RAN WG4	6.2.3	Replaced by RP-99542
RP-99435	TS25.105 ver2.0.0 BTS Radio transmission and reception (TDD)	TSG RAN WG4	6.2.3	Replaced by RP-99543
RP-99436	TS25.103 ver2.0.0 RF parameters in support of RRM [for information]	TSG RAN WG4	6.2.3	Replaced by RP-99599
RP-99437	TS25.141 ver2.0.0 Base station conformance testing (FDD) [for information]	TSG RAN WG4	6.2.3	Replaced by RP-99544
RP-99438	TS25.142 ver2.0.0 Base station conformance testing (TDD) [for information]	TSG RAN WG4	6.2.3	
RP-99439	TS25.113 ver1.1.0 BTS (EMC) [for information]	TSG RAN WG4	6.2.3	Replaced by RP-99495
RP-99440	TR25.942 ver2.0.0 RF Scenarios [for information]	TSG RAN WG4	6.2.3	
RP-99441	WG4 report	TSG RAN WG4	6.2.1	
RP-99442	25.401 v2.0.0 UTRAN Overall Description	TSG RAN WG3	6.4.3	
RP-99443	25.410 UTRAN Iu Interface: General Aspects and Principles	TSG RAN WG3	6.4.3	
RP-99444	25.420 UTRAN Iur Interface: General Aspects and Principles	TSG RAN WG3	6.4.3	
RP-99445	25.430 v2.0.0 UTRAN Iub Interface: General Aspects and Principles	TSG RAN WG3	6.4.3	
RP-99446	25.442 v2.0.0 UTRAN Implementations specific O&M transport	TSG RAN WG3	6.4.3	
RP-99447	25.413 UTRAN Iu interface RANAP signalling	TSG RAN WG3	6.4.3	
RP-99448	25.423 v1.4.0 UTRAN Iur interface RNSAP signalling	TSG RAN WG3	6.4.3	
RP-99449	25.433 v1.3.0 UTRAN Iub interface NBAP signalling	TSG RAN WG3	6.4.3	
RP-99450	25.415 v2.0.0 UTRAN Iu interface user plane protocols	TSG RAN WG3	6.4.3	
RP-99451	25.425 v0.3.0 UTRAN Iur interface user plane protocols for CCH data streams	TSG RAN WG3	6.4.3	Replaced by RP-99552
RP-99452	25.435 v2.0.0 UTRAN Iub interface user plane protocols for CCH data streams	TSG RAN WG3	6.4.3	
RP-99453	25.427 v2.0.0 UTRAN Iur and Iub interface user plane protocols for DCH data streams	TSG RAN WG3	6.4.3	
RP-99454	25.931 UTRAN Functions, examples on signalling procedures	TSG RAN WG3	6.4.3	
RP-99455	25.831 TSG RAN WG3 Study Items for Future Release	TSG RAN WG3	6.4.3	Withdrawn
RP-99456	25.832 v2.4.0 Manifestations of handover and SRNS relocation	TSG RAN WG3	6.4.3	
RP-99457	30.531 TSG RAN WG3 Work Plan and Study Items	TSG RAN WG3	6.4.3	
RP-99458	RAN WG3 Status Report	TSG RAN WG3	6.4.1	
RP-99459	Status report of RAN WG2	TSG RAN WG2	6.3.1	
RP-99460	List of Change Requests on 3GPP TS 25.301: Radio Interface Protocol Architecture	TSG RAN WG2	6.3.3	
RP-99461	List of Change Requests on 3GPP TS 25.302: Services provided by the physical layer	TSG RAN WG2	6.3.3	
RP-99462	List of Change Requests on 3GPP TS 25.303: UE functions and inter-layer procedures in connected mode	TSG RAN WG2	6.3.3	
RP-99463	List of Change Requests on 3GPP TS 25.321: Description of the MAC protocol	TSG RAN WG2	6.3.3	
RP-99464	3GPP TS 25.304 v.1.6.0: UE procedures in Idle Mode	TSG RAN WG2	6.3.3	
RP-99465	3GPP TS 25.322 v1.3.0: Description of the RLC protocol	TSG RAN WG2	6.3.3	
RP-99466	3GPP TS 25.323 v0.1.0: Description of the PDCP protocol	TSG RAN WG2	6.3.3	
RP-99467	3GPP TS 25.324: Description of the BMC protocol	TSG RAN WG2	6.3.3	
RP-99468	3GPP TS 25.331: Description of the RRC protocol (withdrawn)	TSG RAN WG2	6.3.3	Replaced by RP-99524
RP-99469	3GPP TR 25.921 v1.3.0:Guidelines and principles for protocol description and error handling	TSG RAN WG2	6.3.3	
RP-99470	3GPP TR 25.922: Radio Resource Management Strategies	TSG RAN WG2	6.3.3	

RP-99471	3GPP TR 25.923: Location Services (LCS)	TSG RAN WG2	6.3.3	
RP-99472	3GPP TR 25.924 v0.2.0: ODMA	TSG RAN WG2	6.3.3	
RP-99473	3GPP TR 25.925: Broadcast/Multicast services	TSG RAN WG2	6.3.3	
RP-99474	TSG RAN WG1 - Chairman's report	Antti Toskala	6.1.1	
RP-99475	TS 25.211 V.2.5.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99587
RP-99476	TS 25.212 V.2.3.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99588
RP-99477	TS 25.213 V. 2.4.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99589
RP-99478	TSG 25.214 V.2.0.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99531
RP-99479	TSG 25.215 V.2.0.0.	TSG RAN WG1	6.1.3	Replaced by RP-99563
RP-99480	TSG 25.221 V.2.1.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99591
RP-99481	TS 25.222 V. 2.3.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99592
RP-99482	TS 25.223 V. 2.4.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99593
RP-99483	TS 25.224 V.2.1.0	TSG RAN WG1	6.1.3	V3.0.0 in RP-99594
RP-99484	TS 25.225 V.2.0.0.	TSG RAN WG1	6.1.3	V3.0.0 in RP-99595
RP-99485	TR 25.402 UTRAN Synchronisation Issues V0.0.1	Editor (Italtel)	6.4.3	
RP-99486	Text Proposal for TS25.101	BellSouth Cellular Corp	6.2.2	Replaced by RP-99529
RP-99487	Text Proposal for TS25.102	BellSouth Cellular Corp	6.2.2	Replaced by RP-99530
RP-99488	Open Letter to Standard Organizations From Operators Harmonization Group on Global 3G (G3G) CDMA Standard Names	OHG	4.2	
RP-99489	Draft summary minutes of 3GPP PCG#2	PCG Secretary	5	
RP-99490	Measurements for FDD in UTRA specifications	Ericsson	6	
RP-99491	Channel models for deployment of UTRA	Ericsson	6.2.2	
RP-99492	TR 25.990 Vocabulary document v1.0.0	Editor (Motorola)	6	V2.0.0 in RP-99578
RP-99493	Expected Specification and Reports approval dates	MCC, Ian Doig	9	Withdrawn
RP-99494	3GPP Programme Management for R99 and R2000	BT	9	
RP-99495	TS25.113 V1.2.0	TSG RAN WG4	6.2.3	
RP-99496	Status Report	ITU Ad Hoc	6.5.1	
RP-99497	Report of the ITU/SDOs meeting	ITU Ad Hoc	6.5.1	
RP-99498	Answer to ITU-R TG 8/1 on the use of formal description technique	ITU Ad Hoc	6.5.3	Replaced by RP-99554
RP-99499	3GPP Radio Interface Specifications	ITU Ad Hoc	6.5.2	Replaced by RP-99536 and RP-99537
RP-99500	Overview of 3GPP Radio Interface Specifications for ITU	ITU Ad Hoc	6.5.1	
RP-99501	Radio interface specifications for IMT-2000 developed by 3GPP TSG RAN (material sent to ITU-T via CN)	ITU Ad Hoc	6.5.1	
RP-99502	Unwanted Emissions to be Included in ITU-R IMT.RSPC	Ericsson	6.5.2	Replaced by RP-99556
RP-99503	Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (FDD)	ITU Ad Hoc	6.5.2	Replaced by RP-99559
RP-99504	Composite document containing the material submitted to ITU by September, 1st	ITU Ad Hoc	6.5.1	
RP-99505	Comments on the material submitted to ITU by September, 1st	ITU Ad Hoc	6.5.1	
RP-99506	LS on measurement order parameters sent to the MS, for GSM to UMTS handovers	SMG2	4.2	
RP-99507	Liaison statement on selected location service methods for Release '99	TSG RAN WG2	6.3.2	
RP-99508	LS on the simultaneous connection of the UTRAN to two CN's	TSG RAN WG2	6.3.2	
RP-99509	Not used	-	11	
RP-99510	New ASN.1 Syntax Checking Service from PTCC	ETSI OCG / PEX	4.2	
RP-99511	specification TS C401	CWTS	6.5.2	
RP-99512	specification TS C402	CWTS	6.5.2	
RP-99513	30.504 V1.4.0	TSG RAN WG4	6.2.3	
RP-99514	CRs to TS 25.412 UTRAN Iu interface signalling transport, v3.0.0	TSG RAN WG3	6.4.3	
RP-99515	CRs to TS 25.422 UTRAN Iur interface signalling transport, v3.0.0	TSG RAN WG3	6.4.3	
RP-99516	CRs to TS 25.432 UTRAN Iub interface signalling transport, v3.0.0	TSG RAN WG3	6.4.3	
RP-99517	CRs to TS 25.414 UTRAN Iu interface data transport & transport signalling, v3.0.0	TSG RAN WG3	6.4.3	
RP-99518	CRs to TS 25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams, v3.0.0	TSG RAN WG3	6.4.3	
RP-99519	CRs to TS 25.434 UTRAN Iub interface data transport & transport signalling for CCH data streams, v3.0.0	TSG RAN WG3	6.4.3	
RP-99520	CRs to TS 25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams, v3.0.0	TSG RAN WG3	6.4.3	
RP-99521	Review assessment of the WCDMA Radio Interface; Radio Technology Independent Parts	Chairman, ITU-T WP3/11 (Raj Pandya)	6.5.2	
RP-99522	3GPP Specification TS 21.101 version 0.3.0	MCC, Ian Doig	9	
RP-99523	GSM Specification 01.01 version 0.3.0	MCC, Ian Doig	9	
RP-99524	3GPP TS 25.331: Description of the RRC protocol (Revised)	TSG RAN WG2	6.3.3	
RP-99525	Draft Agenda (rev1)	RAN Chairman	2	
RP-99526	TS 25.201 v2.3.0 Physical layer – General Description	TSG RAN WG1	6.1.3	V3.0.0 in RP-99586
RP-99527	TR R1.03 v0.1.0 Physical Layer Items Not For Inclusion in Release '99	TSG RAN WG1	6.1.3	
RP-99528	Status of WG4 Document	RAN WG4 Vice-	6.2.2	

		Chairman		
RP-99529	Text Proposal for TS25.101 and TS25.104	BellSouth Cellular Corp	6.2.2	Replaced by RP-99540
RP-99530	Text Proposal for TS25.102 and TS25.105	BellSouth Cellular Corp	6.2.2	Replaced by RP-99541
RP-99531	TS25.214 V3.0.0	TSG RAN	6.1.3	
RP-99532	Proposed Liaison to TSG SA on the ITUR TG81 on the revision of recommendation M.1079	ITU Ad Hoc	6.5.2	Withdrawn
RP-99533	Complete set of 3GPP Radion Interface specifications	ITU Ad Hoc	6.5.2	
RP-99534	Proposed letter to organisation Partners on references in section 5.X.3 of INT.RSPC	ITU Ad Hoc	6.5.2	Replaced by RP-99555
RP-99535	Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (TDD)	ITU Ad Hoc	6.5.2	Replaced by RP-99560
RP-99536	3GPP Radio Interface Specifications (Section 5.X.3/FDD)	ITU Ad Hoc	6.5.2	Replaced by RP-99561
RP-99537	3GPP Radio Interface Specifications (Section 5.X.3/TDD)	ITU Ad Hoc	6.5.2	Replaced by RP-99562
RP-99538	3GPP TSG RAN contribution on section 5.X.1 of INT.RSPC	ITU Ad Hoc	6.5.2	Replaced by RP-99558
RP-99539	TS25.104 ver2.4.1 BTS Radio transmission and reception (FDD)	TSG RAN WG4	6.2.3	V3.0.0 in RP-99569
RP-99540	Text Proposal for TS25.101 & TS25.104	BellSouth Cellular Corp	6.2.2	
RP-99541	Text Proposal for TS25.102 and TS25.105	BellSouth Cellular Corp	6.2.2	
RP-99542	TS25.102 ver2.1.0 UE Radio transmission and reception (TDD)	TSG RAN WG4	6.2.3	V3.0.0 in RP-99570
RP-99543	TS25.105 ver2.1.0 BTS Radio transmission and reception (TDD)	TSG RAN WG4	6.2.3	V3.0.0 in RP-99571
RP-99544	TS25.141 ver2.0.2 Base station conformance testing (FDD) [for information]	TSG RAN WG4	6.2.3	
RP-99545	TR<#> v0.4.1 Separating RR and MM specific parts of the MS Classmark	Fujitsu/TSG CN	4.1	
RP-99546	Roadmap Document ITU-T IMT 2000	Ericsson	6.5.2	
RP-99547	LS to TSG RAN on IUT R TG8/1 Recommendation M.1079	TSG SA WG2	6.5.2	
RP-99548	Report on measurements for FDD and TDD in UTRA specifications	Measurement drafting group	6	Replaced by RP-99564
RP-99549	Text proposal for TS 25.223	Siemens, Ericsson, Nokia, NEC, NTT DOCOMO, Interdigital, Itatel	6.1.2	
RP-99550	TS 25.215 Naming of layer 1 measurements in TS 25.215	Measurement drafting group	6	
RP-99551	TS 25.225 Physical layer – Measurements (TDD)	Measurement drafting group	6	
RP-99552	TS 25.425 v0.2.5: UTRAN Iur Interface User Plane protocols for Common Transport Channel data streams		6.4.3	
RP-99553	LS to 3GPP concerning Global Certification or Type Approval	UMTS Forum	4.2	
RP-99554	Answer to ITU-R TG 8/1 on the use of formal description technique	TSG RAN	6.5.3	
RP-99555	Letter to organisation Partners on references in section 5.X.3 of INT.RSPC	TSG RAN	6.5.2	Replaced by RP-99596
RP-99556	Unwanted Emissions to be Included in ITU-R IMT.RSPC	TSG RAN	6.5.2	
RP-99557	Proposed Liaison to TSG SA on the ITUR TG81 on the revision of recommendation M.1079	ITU Ad Hoc	6.5.2	
RP-99558	3GPP TSG RAN contribution on section 5.X.1 of INT.RSPC	TSG RAN	6.5.2	
RP-99559	Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (FDD)	TSG RAN	6.5.2	
RP-99560	Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (TDD)	TSG RAN	6.5.2	Replaced by RP-99582
RP-99561	3GPP Radio Interface Specifications (Section 5.X.3/FDD)	TSG RAN	6.5.2	Replaced by RP-99580
RP-99562	3GPP Radio Interface Specifications (Section 5.X.3/TDD)	TSG RAN	6.5.2	Replaced by RP-99581
RP-99563	TS 25.215 Version 2.0.0.	TSG RAN	6.1.3	V3.0.0 in RP-99590
RP-99564	Report on measurements for FDD and TDD in UTRA specifications	Measurement drafting group	6	
RP-99565	LS on Connectionless services during the call	TSG SA	4.1	
RP-99566	LS on Definitions used for the Mobile Station/Terminal	TSG T	4.1	
RP-99567	TR 25.941 V3.0.0	TSG RAN	6.2.3	
RP-99568	TS 25.101 V3.0.0	TSG RAN	6.2.3	
RP-99569	TS 25.104 V3.0.0	TSG RAN	6.2.3	
RP-99570	TS 25.102 V3.0.0	TSG RAN	6.2.3	
RP-99571	TS 25.105 V3.0.0	TSG RAN	6.2.3	
RP-99572	Request for LS answer from TSG-CN WG1	Fujitsu	4.1	
RP-99573	LS on Terminology and vocabulary in 3GPP	TSG T	4.1	
RP-99574	Prioritisation for R3 regarding Release 99	RAN, R1, R2, R3 Chairmen, RAN Vice-Chairmen	6.4.1	
RP-99575	CR 008 to TS 25.301	TSG RAN WG2	6.3.3	
RP-99576	CR 018 to TS 25.301	TSG RAN WG2	6.3.3	
RP-99577	Proposed scope of Technical Report 'UE radio access capabilities definition'	Ericsson, NEC Technologies (UK) Ltd, Nokia	7	
RP-99578	TR 25.990 Vocabulary document v2.0.0	Motorola	6	
RP-99579	LS on freezing GSM Release 97 & Release 98	TSG CN	4.1	

RP-99580	Revision 3GPP Radio Interface Specifications (Section 5.X.3/FDD)	TSG RAN	6.5.2	Replaced by RP-99597
RP-99581	Revision 3GPP Radio Interface Specifications (Section 5.X.3/TDD)	TSG RAN	6.5.2	Replaced by RP-99598
RP-99582	Revision of the 'Overview' of 3GPP Radio Interface Specifications for ITU (TDD)	TSG RAN	6.5.2	
RP-99583	LS on a new C++ formal description technique possibly suitable for specification of the radio baseband processing for IMT2000	Synopsys	4.2	
RP-99584	Proposed Response to LS on Connectionless services during the call	Nortel	8	
RP-99585	Proposed Response to LS on Connectionless services during the call	TSG RAN	8	
RP-99586	TS 25.201 V3.0.0	TSG RAN	6.1.3	
RP-99587	TS 25.211 V3.0.0	TSG RAN	6.1.3	
RP-99588	TS 25.212 V3.0.0	TSG RAN	6.1.3	
RP-99589	TS 25.213 V3.0.0	TSG RAN	6.1.3	
RP-99590	TS 25.215 V3.0.0	TSG RAN	6.1.3	
RP-99591	TS 25.221 V3.0.0	TSG RAN	6.1.3	
RP-99592	TS 25.222 V3.0.0	TSG RAN	6.1.3	
RP-99593	TS 25.223 V3.0.0	TSG RAN	6.1.3	
RP-99594	TS 25.224 V3.0.0	TSG RAN	6.1.3	
RP-99595	TS 25.225 V3.0.0	TSG RAN	6.1.3	
RP-99596	Revised Letter to organisation Partners on references in section 5.X.3 of INT.RSPC	TSG RAN	6.5.2	
RP-99597	Revision 3GPP Radio Interface Specifications (Section 5.X.3/FDD)	TSG RAN	6.5.2	
RP-99598	Revision 3GPP Radio Interface Specifications (Section 5.X.3/TDD)	TSG RAN	6.5.2	
RP-99599	TS 25.103	TSG RAN WG4	6.2.3	
RP-99600	993GPP Work program Database	MCC, Ian Doig	9	
RP-99601	Draft TSG RAN#5 meeting report	MCC, Hans van der Veen	-	This document

Annex C: Meeting schedule

TSG-RAN

Meeting	Date	Host	Location
RAN#6	13 - 15 December 1999	ETSI	Nice, France
RAN#7	13 - 15 March 2000	Telefonica Moviles	Madrid, Spain
RAN#8	19 - 21 June 2000 (in conjunction with SMG#32)	Mannesmann	Düsseldorf, Germany
RAN#9	25 - 27 September 2000	Unisys/ARIB	
RAN#10	11 - 13 December 2000	T1	USA

RAN WG1

Meeting	Date	Host	Location
#8	12 - 15 October 1999	GBT, InterDigital, Lucent, Omnipoint	New York, USA
#9	30 November - 03 December 1999	Mannesmann	Dresden, Germany
	schedule for 2000 to be fixed at New York meeting		

RAN WG2

Meeting	Date	Host	Location
#8	02 - 05 November 1999	Samsung, LGIC, Hyundai	Cheju, Korea
#9	29 November - 03 December 1999	ETSI	Sophia Antipolis, France
#10	17 - 21 January 2000		
#11	28 Feb - 03 March 2000		
#12	10 - 14 April 2000		
#13	22 - 26 May 2000		USA?
#14	03 - 07 July 2000		

#15	21 - 25 August 2000		
#16	02 - 06 October 2000		
#17	13 - 17 November 2000		

RAN WG3

Meeting	Date	Host	Location
#8	25 - 29 October 1999	NEC	Abiko, Japan
#9	06 - 10 December 1999	FT and Alcatel	Paris, France
#10	24 - 28 January 2000		
#11	28 February - 04 March 2000		
#12	10 - 14 April 2000		
#13	22 - 26 May 2000	Offer from US operators	USA
#14	26 - 30 June 2000	Nokia	Finland
#15	21 - 25 August 2000		
#16	11 - 15 September 2000	Offer from US operators	USA
#17	23 - 27 October 2000		
#18	27 November - 01 December 2000	Motorola	USA

RAN WG4

Meeting	Date	Host	Location
#8	26 - 29 October 1999	ETSI	Sophia Antipolis, France
#9	06 - 09 December 1999	Vodafone	Bath, UK
#10	17 - 21 January 2000		
#11	28 February - 03 March 2000		tbd, USA
#12	22 - 26 May 2000		
#13	11 - 16 September 2000		
#14	27 - 30 November 2000		

Annex D: Prioritisation for WG3 regarding Release 99

[spelling-corrected version of Tdoc 574]

Source: RAN, R1, R2, R3 chairmen, RAN vice-chairmen

Contents of Release 99

As a starting point, all functions defined in Uu for Release 99 should be considered as part of Release 99 of Iub, Iur and Iu.

Prioritisation principle

Regarding prioritisation the following applies:

- R3 should prioritise to complete all TSs with good quality by RAN#6 for the basic functions / features. Good quality means clear and unambiguous specification text and complete specification of normal and error cases. Also good compatibility and extension mechanisms must be finalised.
- R3 should finalise the below functions / features for inclusion into TSs by RAN#7
- TRs are treated with lower priority except when needed internally in R3 to progress a TS

This should ensure to firstly have complete specifications allowing interoperability ("open interfaces") during 1999, and secondly to include the additional features and functions into Release 99 at RAN#7.

Features / functions for RAN#7

The following (unordered list of) features and functions should be considered for completion to RAN#7, i.e. to be included in Release 99 but not focused on before RAN#6. Note that the other open issues reported in R3 Status Report (RP-99458) are to be solved until RAN#6.

- Cell broadcast protocols between SMS-CBC and RNC
- Support for specific positioning methods (OTDOA, GPS-assisted) on Iur and Iub
- FACH power control on Iur
- DSCH over Iur
- USCH on Iur
- SoLSA on Iu
- Load information on Iur (pure optimisation)
- CPCH
- SSDT (unless the simple solution considered by R3 can be accepted by R1 – LS to be answered)
- Iu time alignment

Any new functions / features for Release 99 not already included in the Iu / Iur / Iub specifications should be also considered for RAN#7 rather than RAN#6.

In addition, complex performance optimisations may be considered as lower priority for RAN#6.

The NBAP common procedures ("logical O&M") should be complete for basic interoperation with subject of minimising operator testing. It is however recognised that in order to have Iub stable in Release 99, there may be a need to limit the extent of features. Additional features will be progressed in future releases.