3GPP TSG RAN Meeting #26 RP-040396
Vouliagmeni Athens, Greece, 8 - 10 December, 2004

Title:	**Revised Draft Report of the 25th 3GPP TSG RAN meeting (Palm Springs, US, 7 – 9 September 2004)**
Document for:	**Approval**
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Contents

Executive summary

TSG RAN meeting #25 took place in Rancho Las Palmas, Palm Springs, US. The meeting started at 13:00 on Tuesday 7th September 2004 and finished at 13:30 on Thursday 9th. 94 participants were registered and 134 documents were submitted.

The approved Change Requests (CRs) to TSG RAN specifications are summarized in the following table:

Release	WG1	WG2	WG3	WG4	Total
Release 99		7		3	10
Rel-4 CRs (Rel-4 excluding Cat A)	3 (3)	9 (4)	3 (3)	2 (0)	17 (10)
Rel-5 CRs (Rel-5 excluding Cat A)	5 (2)	34 (28)	19 (16)	9 (7)	67 (53)
Rel-6 CRs (Rel-6 excluding Cat A)	6 (2)	37 (11)	24 (5)	28 (17)	95 (35)
Total CRs (Total excluding Cat A)	14 (7)	87 (50)	46 (24)	42 (27)	189 (108)

The Work Shop on RAN long term evolution was confirmed, it will take place in Toronto, Canada, 2 – 3 November, hosted by Ericsson. The Scope and Agenda were approved in the meeting (RP-040385)

A LS from ECC PT1 for the introduction of UMTS in the 900MHz and 1800MHz bands was received. (RP-040371). PT1 asks to start the standardization work in 3GPP. Although this LS means that UMTS900 is now a regulatory requirement, 3GPP is contribution driven and the appropriate WI proposal will need to be presented by interested companies. A response is sent to PT1 along these lines (RP-040393).

ETSI SES (Satellite Earth stations and Systems) had liased with RAN WG4 for collaboration on a WCDMA interface for satellite services, asking for cooperation on co-existence studies and interworking. It was agreed that the studies should not take place in WG4, the collaboration being limited to review and comment the work in ETSI SES. For interworking, it is noted that TSG SA is the contact point (RP-040366)

It was required that Rel-6 items, notably Enhanced Uplink and MBMS, are prioritised over Rel-7 items. This applies in particular to MIMO. The prioritisation is to be observed until December 2004 and will be reviewed in next TSG RAN (sec 8.5)

ITU-R matters

Documentation to be submitted to ITU-R for the Update 5 of M.1457 was reviewed. This is the final submission, the documents presented contain the descriptive sections of M.1457, sec 5.1.1 (FDD) and sec 5.3.1 (TDD) and the lists of specifications, sec 5.1.3 (FDD) and sec 5.3.3 (TDD). The descriptive sections had been reviewed and endorsed by the RAN WGs. The lists contain specifications under control of TSGs SA, CN and T; these TSGs were contacted to provide update on their parts of the lists. The final revisions (RP-040378, RP-040379, RP-040380, RP-040381, RP-040382) are sent to TSG RAN reflector for information and to 3GPP PCG for approval.

Release 99, Release-4 & Release-5

Rel-5 CRs to remove the mapping of DCCH onto HS-DSCH had been agreed in WG2, on the basis that the functionality doesn't provide benefit but complicates implementations and tests. For TDD mode however, it

this mapping was found ~~exploitable~~useful. The CRs were modified to make the removal applicable to FDD only (sec. 7.3.5)

The procedure of approving new RAB configurations was discussed, triggered by the need to agree on new configurations for HSDPA testing (RP-040368). It was agreed that any new proposal for TS34.108, RABs for testing, should be first presented and studied in T WG1. This group will then liase with RAN1/RAN2 tha~~t~~ will provide feedback. TR25.993, Commercial & interoperability RABs, remains under control of RAN groups.

Japanese regulations now cover HSDPA, the note on regional non applicability of HSDPA requirements for BSs is now removed (RP-040367)

Release 6 and beyond

See Annex D for a summary of the Work Items under TSG RAN responsibility.

The WI "Improvement of inter-frequency and inter-system measurement" was closed, it had been open for long time and no agreement had been reached in WG1 on the gains of the techniques used (sec.8.1.1).

A first CR introducing enhanced performance requirements for RX diversity UEs, categories 1 to 6, was approved under the "Performance Requirements of Receive Diversity for HSDPA" Work Item. Requirements for the pending categories 7 & 8 will be completed by March (sec. 8.1.2)

The work item "Remote Control of Electrical Tilting Antennas" is completed. 4 TSs created in a new series, 25.46x, for the introduction the Iuant interface. Separately, SA WG5 has also finished the OAM&P work on the area (sec. 8.2.3).

The WI for the specification of A-GPS performance requirements is finished, TS25.171 is approved. Further work will take place in T WG1RF to develop the test cases (sec. 8.3).

Under the FDD Enhanced Uplink work item, the Stage 2 TS was approved (TS25.309, "Enhanced uplink UTRA FDD; Stage 2" (RP-040358)

The UE power back off with HS-DPCCH transmission in Rel-6 was discussed again. WG4 had agreed on the same CRs that had already been presented in last RAN, and resubmitted ~~it~~ them again for approval. Some companies objected that the back off should not apply for Rel-6 UEs capable of HSDPA+EDCH. Agreement was reached with the addition of a note stating that applicability for EDCH capable UEs is for further study (sec. 8.9.1)

The feasibility study on "Radio link performance enhancements" is completed with the analysis of the gains of the ACK/NACK enhancement proposed (sec. 8.10.1). A new Work Item follows.

The feasibility study on "Higher Chip Rates for UTRA TDD evolutions" is completed (sec 8.10.2). A new Feature follows

The following Work Items were approved:

- "Improved performance requirements for HSDPA categories 7 & 8".
  New WT under "Improved Receiver Performance Requirements for HSDPA", WG4 leads, completion by June 2005. To be part of Rel-6.
- "Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications".
  New BB under "UE positioning", WG2 leads, completion by June 2006
- "HS-DPCCH ACK/NACK enhancement".
  New WT under "RAB Support enhancement", WG1 leads, completion by December 2004. To be part of Rel-6
- "7.68 Mcps TDD Option"
  New Feature, completion by March 2006
- "MBMS performance requirements"
  New WT under "Introduction of MBMS in RAN", WG4 leads, completion by June 2005. To be part of Rel-6
- "UMTS 2600"
  WG4 leads, completion by June 2005

1 Opening of the Meeting

Francois Courau, chairman, opened the meeting at 13:00 on Tuesday 7th September. Don Zelmer (Cingular) welcomed the participants on behalf of the North American Friends of 3GPP.

2 Approval of the Agenda

RP-040260 Draft Agenda meeting #25 (Chairman)
The agenda was approved without comments

3 Approval of the meeting report of TSG RAN #24

RP-040294 Revised draft report meeting #24 (3GPP Support)
The report was approved without comments

4 Reminder for IPR declaration

The chairman made the following call for IPRs:

> The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.
>
> The delegates were asked to take note that they were thereby invited:
> - to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
> - to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

5 Chairman Report of meetings

The chairman apologized for not making available the report of TSG SA after the meeting. Concerning RAN issues, it was clarified in SA that support for network sharing is mandatory for Rel-6. RAN WG2 will proceed with the WI accordingly.

The chairman reported the ongoing discussions for TSG reorganization. Currently, the proposal is to close TSG T and move the TSG T WGs under RAN and CN/SA. TSG T WG1 would be moved under TSG RAN, and the TSG T WG2 will be moved to CN, which in fact will become a new TSG named Core network & Terminals (TSG CT). It is also currently proposed to move TSG T WG3 to TSG SA. Some rebalancing of the work load between new TSG CT and TSG SA is under consideration but no consensus could be achieved on that.

This re organization, extensively discussed by TSG leaders, will have to be presented for approval at 3GPP PCG.

6 Liaisons from other groups

RP-040355 Addition of ANSI lower layer protocols to Iu related interfaces (T1P1)

Don Zelmer (Cingular) presented this LS

T1P1 requests that the relevant 3GPP specs be updated to provide the option for ANSI SS7 transport layers (SCCP, MTP3b, SSCF-NNI) in the UMTS Iu and Iur interfaces and for an ANSI physical layer in the UMTS Iu, Iur, and Iub interfaces. Such updates should include all 3GPP releases back to and including R99. The LS below provides the view of RAN3, the affected WG.

RP-040356 LS on Adding ANSI protocols to 3GPP Iu lower layer specifications (TSG RAN WG3)

Alex Vesely (TSG RAN WG3 chairman) presented this LS

Alex informed that there is no objection from WG3, apart of the Release concerned. Alex suggests to add the references from Rel-5 onwards, and not to start on Rel99. However, synchronization with CN is needed, as some of the CN specs will need to be updated with the references as well.

After discussion with CN chairman, TSG CN forwarded the LS to CN1, the group responsible of the relevant specifications, who would deal with the necessary changes. It has been agreed also in CN that the changes will be incorporated to Rel-5 onwards.

RP-040371 UMTS in the 900 MHz band (ECC PT1)

The chairman presented this LS

ECC is the European group of national regulatory organizations. ECC PT1 has started the arrangements in the bands 900 MHz and 1800 MHz concerning the sharing between GSM and UMTS. ECC asks 3GPP to forward the work that WG4 has performed in the 850 MHz, 1800 MHz and 1900 MHz and to start the specification for the use of UMTS in the 900 MHz band.

Since the work in 3GPP is based on Work Items, it is expected that interested companies present a proposal to initiate this work, with a timeframe that suits ECC requirements.

The chairman will produce a response LS and will circulate it in the email reflector for approval. WG4 is tasked to send to ECC PT1 the existing 3GPP documentation that may be useful for the work of PT1 on spectrum arrangements for the 900MHz and 1800MHz bands.

RP-040357 Reply LS on the material to be submitted to ITU-R WP8F#14 for Revision 5 of Recommendation ITU-R M.1457 (TSG RAN WG4)

This LS is CC to TSG RAN. It is noted, the correction proposed has been incorporated to sec. 5.3.1.6 of the revision.

7 Status Report and Approval of contributions on Release'99 and Release 4 and finished work items for Release 5

7.1 ITU-R Ad Hoc

Giovanni Romano (Telecom Italia) presented the documents related to ITU on behalf of Nicola Magnani, ITU-R ad hoc contact.

RP-040364 Status Report for RAN#25 (ITU-R Ad Hoc Contact Person)
No comments.

RP-040308 Proposed Final Submission toward Rev 5 of M.1457 (ITU-R Ad Hoc)
On the new section concerning Enhanced uplink, the term "radio interface delay" and its 10 ms value were objected by Nokia, the term is not defined and there are many open issues in EDCH that may influence the overall delay.
Motorola and Panasonic noted that the 4 Mpbs figure is not accurate either, the highest rate per user is up to 3.7 Mcps, and the channel rate is 4.8 Mpcs. It was found preferable not to use precise values.
It was argued however that the text had been provided by the WGs as it is now. A small group is appointed to revise the text and come to an agreed proposal.
It is also noted that the name of the T1, the organizational partner, is changed to ATIS.

RP-040309 Proposed update of Section 5.1.1 (ITU-R Ad Hoc)
The objection to the values raised above applies to this section also, as well as the name of the organization.

RP-040310 Proposed update of Section 5.1.2 (ITU-R Ad Hoc)
It is proposed that 25.309, EDCH Stage 2, is included in the list. This seems to be one of the arguments to raise the TS to v6.0.0 in this meeting. This was objected, since the final submission will be based on the December, not September, versions. However, TSG RAN is providing ITU a CDROM with September specifications and it would be preferable that v6.0.0 is in that CDROM. It is agreed that the TS will stay in the list, and depending on the approval or not in this meeting, it will be included as v6.0.0 or v1.0.0 in the CDROM.

It is noted that TS 25.171, AGPS requirements, is missing from the list and will be presented for approval at this meeting. It is agreed to include it.

RP-040311 Proposed update of Section 5.3.1 (ITU-R Ad Hoc)
Minor corrections required

RP-040312 Proposed update of Section 5.3.2 (ITU-R Ad Hoc)
Minor corrections required

Documents RP-040308 to RP-040312 will be updated with the corrections agreed during the meeting and with the feedback from TSG T, CN and SA (see LSs below).

RP-040313 Draft accompanying letter for the submission of the updated Global Core Specifications (GCS) (ITU-R Ad Hoc)

This is the letter to be completed by ETSI and to be sent to ITU-R together with the CDROM. It will be sent to PCG for approval.

RP-040314 Draft Reminder for the OPs on the compliance with ITU-R procedures as it relates to Revision 5 of Recommendation ITU-R M.1457 (ITU-R Ad Hoc)

The document will be sent to PCG for final approval and for further consideration by OPs. Minor grammatical corrections required

RP-040321 LS to TSG T on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457 (ITU-R Ad Hoc Contact Person)

RP-040322 LS to TSG CN on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457 (ITU-R Ad Hoc Contact Person)

RP-040323 LS to TSG SA on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457 (ITU-R Ad Hoc Contact Person)

The LSs are approved

With these LSs, TSG RAN is asking for update from TSG T, CN & SA on the list of specifications that will be provided for Rev.5. Response from the TSGs, if any, will be incorporated to the submission.

TSG CN checked the list during its meeting and didn't find any necessary correction. No response LS is provided.

TSG T had announced that it needs to provide modifications to the list proposed in the LS (RP-040321) but unfortunately the response was not available before the end of TSG RAN. Also, TSG SA is expected to provide some comments. These updates will be incorporated after the meeting and the final documents will be made available in the email reflector for information and sent to PCG for approval.

7.1.1 Progress on ITU-R matters after the meeting

RP-040392 LS to TSG-RAN on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457 (reply to RP-040321 / TP-040192) (TSG T, TP-040202)

TSG T proposes the addition of to the list of the following new specifications:

TS31.115 Secured packet structure for (U)SIM Toolkit applications
TS31.116 Remote APDU Structure for (U)SIM Toolkit applications
TS31.130 (U)SIM API for Java Card
TS34.131 Test Specification for 'C'-language binding to (U)SIM API

The LS to TSG SA in RP-040323 was discussed, feedback was provided in document SP-040693. TSG SA agreed to add the following to the list:

TS22.228 IP Multimedia Subsystem Stage 1
TS23.228 IP Multimedia Subsystem Stage 2

The documents below contain the revised papers for submission to ITU. They are updated with the comments made during the meeting and the feedback from TSG T and TSG SA. They are made available in the email reflector for information and sent by the chairman to PCG for approval.

RP-040378 Proposed Final Submission toward Rev 5 of M.1457 (ITU-R Ad Hoc)
RP-040379 Proposed update of Section 5.1.1 (ITU-R Ad Hoc)
RP-040380 Proposed update of Section 5.1.2 (ITU-R Ad Hoc)
RP-040381 Proposed update of Section 5.3.1 (ITU-R Ad Hoc)
RP-040382 Proposed update of Section 5.3.2 (ITU-R Ad Hoc)
RP-040383 ~~Draft~~ Reminder for the OPs on the compliance with ITU-R procedures as it relates to Revision 5 of Recommendation ITU-R M.1457 (ITU-R Ad Hoc)

7.2 TSG RAN WG1

7.2.1 Report from WG1 including report on actions required from the previous meeting

RP-040275 Status Report WG1 (RAN WG1 Chairman)
Dirk Gerstenberger (RAN WG1 chairman) presented this report. The activity in WG1 can be summarized as follows:

- Agreed change requests
  - 3 CRs for Rel4 TDD, 2 CRs for Rel5 FDD
  - HSDPA ACK/NACK enhancements – CRs for TR25.899 agreed
- Progress on FDD Enhanced Uplink WI
  - Joint discussions with RAN2 progressing TTI, HARQ, Scheduling
  - Principles of HARQ and Scheduling agreed
  - Major L1 aspects agreed, further work on signaling solutions
- MIMO evaluation methodology agreed
- Higher Chiprate TDD study item completed
- MICH agreed, MBMS UE capability partially agreed
- Additional meeting scheduled for September: RAN1#38bis, topics will be FDD Enhanced UL, MBMS UE cap., IMS
- 200 contributions submitted, around 100 delegates attended

On slide 16 (U-TDOA), Derek Richards (IPWireless) noted that the understanding was that the WI proposal was not FDD specific. Dirk clarified that the WI proponents were not willing to do the work for TDD, in this sense the chairman clarified that companies interested in the TDD part are welcomed to produce a new WI.

On the same topic, Alan Law (Vodafone) noted that the requirement from last TSG RAN was to produce a Study, but now the agreement from the WGs is a Work Item. Dirk clarified that the proposed WI does not affect the physical layer in either Node B or UE (e.g. no change in power control behaviour), so no analysis from WG1 would be required. Additionally, the changes to specifications would be small.
Dirk noted also that the proposal is coming from one side; other companies were not willing to perform comparison or to present alternative techniques; so an analysis of the performance claimed by the proponents would be difficult to produce in any case.
Alan agreed that the required changes to the standard are low, but his concern relates to the need of the required "LMU cloud" that an operator would need to install to run this system. An analysis of the complexity and new requirements would have been welcomed.

On the RAB configurations (slide 7), Takehiro Nakamura (NTT DoCoMo) asked what would be the procedure to add new RABs or combinations, go to WG1, WG2 or maybe T1. Dirk noted that WG1 agreed time ago a 7 days period in WG1 for endorsement of a new combination. In any case, WG1 needs to be contacted. On this issue, NTT DoCoMo provided document RP-040368 discussed in agenda item 12.

On the PAR/Cubic Metric discussion (slide 7), Edgar Fernandes (Motorola) noted that WG4 is taking special care on producing the Cubic Metric formula on time for use in the next WG1. The document is currently being discussed in WG4 ad hoc list for TX Pow. The document was later presented in the meeting (RP-040372)

On the UE behaviour at minimum power (slide 7), it is clarified that the discussion is still open in WG1 on the need to specify the behaviour, even after the LS and clarification of the understanding from WG4.

There was some discussion on the progress of work of MIMO. It was requested that it is scheduled with lower priority than more "urgent" Rel-6 items, MBMS and EDCH for example. Dirk explained that this is his current approach, but it must be noted that some WG1 delegates come exclusively for MIMO. To Dirk, in any case, MIMO belongs to Rel-7 and is scheduled in the agenda accordingly.

RP-040276 List of CRs from RAN WG1 (RAN WG1)
This list is provided for information

7.2.2 Discussions on decisions from WG1

No discussions

7.2.3 Approval of CRs to Rel'99 with linked CRs to Rel-4, Rel-5 & Rel-6

No Change Requests from WG1 to Rel99.

7.2.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

RP-040315 CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.222 for correction of symbol Xi defined in sub-frame segmentation step (RAN WG1)
No objections, the CRs are approved

RP-040316 CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.224 for transmit diversity usage for beacon channels in LCR TDD (RAN WG1)
No objections, the CRs are approved

7.2.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

RP-040317 CRs (Rel-5 and Rel-6 Category A) to TS25.211 for correction for the slot range of DL DPCCH power control preamble for CPCH (RAN WG1)
No objections, the CRs are approved

RP-040318 CRs (Rel-5 and Rel-6 Category A) to TS25.214 for clarification of SSDT uplink only signalling (RAN WG1)

There were objections on the need of a CR for clarification in Rel-5. It is clarified that the first proposal in WG1 was Rel-6 only, but as there is some links for HSDPA transmissions is was finally agreed to go for Rel-5 also. TSG RAN however agreed that the Rel-5 CR is not needed, so only CR349r1 in RP-040318 is approved.

Note: It was found after the meeting that CR numbers 349 and 350 to 25.214 had been used twice: CRs with those numbers had been approved at RAN#24, on "Clarification of UE procedure in case of HHO failure", and the numbers are re-used for the CRs in RP-040318.
To correct this double allocation, CR349r1 in RP-040318 becomes CR352, and CR350 to 25.214 in RP-040318 becomes CR353.
This is corrected in the CR Database and a note is added to the History Annex in 25.214. RP-040318 is not revised, so it must be noted that the CR numbers in the coversheets of RP-040318 are incorrect and should be as detailed above.

7.2.6 Approval of linked CRs where the leading one originated from WG1

RP-040319 Linked CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.224 & TS25.331 for corrections of radio access procedure for 1.28Mcps TDD (RAN WG1)

No objections, the CRs are approved

7.3 TSG RAN WG2

7.3.1 Report from WG2 including report on actions required from the previous meeting

RP-040277 Status Report WG2 (RAN WG2 Chairman)

Denis Fauconnier (RAN WG2 chairman) presented this report. The activity in WG2 can be summarized as follows:

- Release 99 corrections
  - Occupied 1 day of last Quarter only
- Release 4 corrections
  - Very few
- Release 5
  - Many corrections
- Release 6
  - MBMS
    - Dedicated 2 days ad-hoc meeting
    - Mostly progress on stage 2 issues
    - 1,5 days on Stage 3 specification
  - HSUPA
    - Dedicated 2 days ad-hoc meeting, + 1,5 days in August
    - Mostly progress on stage 2 issues and in joint meetings with RAN1
    - Good progress and main architecture decisions now taken.
- RAN WG2 meetings since last plenary:
  - One ad-hoc meeting on MBMS

- One ad-hoc meeting on HSUPA
- One RAN2 meeting
  - One day joint meeting with RAN1 on HSUPA
  - Review of UTDOA with RAN1
  - One evening with SA4 on MBMS

Additional WG2 meetings are scheduled for 10-14 Jan 2005 (#45bis) and 4-8 April 2005 (#46bis).

On IMS optimisations (slide 28), it is requested that WG1 also tries to conclude in December.

On MBMS(slide 18), Denis clarified that the remaining stage 2 issues are not major and can be introduced in the short term with simple CRs to the stage 2 TS.

On CELL_FACH performance, Denis clarified that there is no request for WG4 to do work. WG2 will have to produce some CRs, and independently, WG4 may found that some work is needed in the area.

On the specification of new RABs (slide 14), Edgar Fernandes (Motorola) reminded that the agreement was to keep 34.108 for testing purposes and use 25.993 for commercial issues. This way T1 and the GCF tests will not be overloaded with extra requirements. This was recognised by Denis but in the same time he expressed the need for new RABs description but in a reasonable amount to be incorporated in 34.108. See also RP-040368 in agenda item 12.

RP-040359 List of CRs from RAN WG2 (RAN WG2)
This list is provided for information

7.3.2 Discussions on decisions from WG2

RP-040325 CRs to 25.993 (Rel-6) affecting earlier versions (RAN WG2)
This document contains CRs to 25.993 Rel-6, which is a Release independent TR, the CRs affect R99, Rel-4 and Rel-5 RABs. The CRs are approved without comments.

7.3.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 ,Rel-5 & Rel-6

The 3 documents in the table below contain CRs agreed by WG2 and were approved without comments

Document	Title
RP-040326	CRs to 25.307 R'99 with linked CRs to Rel-4, Rel-5&Rel-6
RP-040327	CRs to 25.331 R'99 with linked CRs to Rel-4, Rel-5&Rel-6
RP-040328	Virtual Active Set: CRs to 25.331 R'99 with linked CRs to Rel-4, Rel-5&Rel-6 and 25.331 Rel-5&Rel-6

RP-040329 CRs to 34.109 R'99 with linked CRs to Rel-4, Rel-5&Rel-6 (RAN WG2)
The need for the R99 CR31 to 34.109 for the introduction of the new message "RESET UE POSITIONING STORED INFORMATION" was questioned, the new message is necessary for UE AGPS performance tests in 25.171, which is a Rel-6 TS. It was clarified that the new message comes upon request from WG4 that had agreed that, although the AGPS performance TS is Rel-6, this new message would allow to use the 25.171 to test a R99 AGPS UE. Finally, all CRs are approved.

7.3.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

RP-040360 CRs to 25.331 Rel-4 with linked CRs to Rel-5&Rel-6 (RAN WG2)
No comments, the CRs are approved.

7.3.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

The 3 documents in the table below contain CRs agreed by WG2 and were approved without comments

Document	Title
RP-040332	CR to 25.304 Rel-5 with linked Rel-6
RP-040335	CRs to 25.331 Rel-5 (2) with linked Rel-6
RP-040336	CRs to 25.331 Rel-5 (3) with linked Rel-6
RP-040337	CR to 34.109 Rel-5

RP-040331 Removal of the DCCH mapping on HS-DSCH: CRs on 25.301, 25.308, 25.331 (Rel-5, Rel-6) (RAN WG2)
IPWireless objected the removal of the mapping, on the basis that the possibility still exists for Rel-6 and this would create incompatibility problems. Also, no sufficient evidence was presented showing that the functionality doesn't work. It was clarified that this is not a mandatory HSDPA combination and was preferred to simplify the Rel-5 HSDPA implementation and tests. An additional argument for the removal is that in case of soft handover, this mapping will not work. But this is not valid for TDD, that doesn't have SHO.
Denis Fauconnier (RAN WG2 chairman) summarized that conclusion in WG2 is that the functionality works, it hasn't been shown the opposite, but it doesn't bring any benefit either. He showed the actual stage 3 modification, CR2424 to 25.331, which is very minor and doesn't actually eliminate the mapping, but simply recommends against. The CRs are revised in the document below.

RP-040369 Removal of the DCCH mapping on HS-DSCH: CRs on 25.301, 25.308, 25.331 (Rel-5, Rel-6) (Nokia)
The document contains revisions of all the CRs in the document above.
It is noted that the RAN2 tdocs in the cover page of the tdoc are incorrect, they correspond to the previous versions.
CR010 to 25.308 Rel-6 hasn't been revised, it is the same as presented in RP-040331. The file for that CR included in RP-040331 is to be considered withdrawn
All the CRs in RP-040369 are approved

RP-040334 CRs to 25.331 Rel-5 (1) with linked Rel-6 (RAN WG2)
It is suggested to add to CRs 2385 and 2395 the note about the possibility of implementation on earlier releases ~~to CRs 2385 and 2395~~. A quick check by WG2 experts present in the meeting showed that this cannot be done, the note will not be added.
All CRs in RP-040334 are approved except 2393 and 2394, which are revised in the document below.

RP-040348 Continuation of HS-DSCH reception in handover failure cases (Samsung, Ericsson, Nokia, Nortel, Panasonic)
This document contains revisions of CR2393 and CR2394 contained in RP-040334.
Qualcomm requests time for in house analysis.

Derek Richards (IPWireless) noted that further corrections for TDD in this area would be presented in the next meeting.
The CRs are finally approved

7.3.6 Approval of linked CRs where the leading one originated from WG2

No documents

7.4 TSG RAN WG3

7.4.1 Report from WG3 including report on actions required from the previous meeting

RP-040279 Status Report WG3 (RAN WG3 Chairman)
Alex Vesely (RAN WG3 chairman) presented this report. WG3 activity can be summarized as follows:

- One meeting since last TSG RAN (WG3#43, 16 – 20 August 2004, Prague)
- no R99 CR
- 2 TDD related Rel-4 CRs
- only 2 HSDPA CRs
- RET: finalised
- Network Sharing: almost finalised
- MBMS: stage 3 work continued, significant progress
- work on EUDCH WI started
- Summary of CRs:
  - no R99 CRs
  - 2 Rel-4 CRs (TDD)
  - 19 Rel-5 CRs (17 cat. F, 2 cat. A) (2 CRs on HSDPA)
  - 24 Rel-6 CRs (2 cat.F, 19 cat.A, 2 cat.B, 1 cat.D)

It was asked what was the difficulty with the addition of new RL on inter-frequency intra-Node B HO (slide 12), as RAN2 already allows setting a completely new active set for inter frequency HO. Alex clarified that it is purely a RAN3 internal problem.

RP-040280 List of CRs from RAN WG3 (RAN WG3)
This list is provided for information.

7.4.2 Discussions on decisions from WG3

No discussions

7.4.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Rel-5 & Rel-6

No Rel99 CRs from RAN WG3

7.4.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

RP-040295 CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS 25.433 (RAN WG3)
No comments, the CRs are approved

7.4.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

The 6 documents in the table below contain CRs agreed by WG3 and were approved without comments

Document	Title
RP-040296	CRs (Rel-5 and Rel-6 Category A) to TS 25.411, TS 25.415 and TS 25.430
RP-040297	CRs (Rel-5 and Rel-6 Category A) to TS 25.401, TS 25.414, TS 25.426 on IP-ALCAP
RP-040299	CRs (Rel-5 and Rel-6 Category A) to TS 25.413
RP-040300	CRs (Rel-5 and Rel-6 Category A) to TS 25.423
RP-040301	CRs (Rel-5 and Rel-6 Category A) to TS 25.433
RP-040302	CRs (Rel-5 and Rel-6 Category A) to TS 25.423 and TS 25.433

RP-040324 CRs (Rel-5 and Rel-6 Category A) to TS 25.433 on Clarification on the FPACH configuration for 1.28Mcps TDD (RAN WG3)
RP-040362 CR1037 to 25.433 Rel-4, Clarification on the FPACH configuration for 1.28Mcps TDD (Siemens, CATT, CCSA)
After production of the Rel-5 & Rel-6 CRs in RP-040324, it has been identified that the Rel-4 CR is needed also. The CR category changes for the Rel-5 CR in RP-040324, which becomes Cat.A. The WI code should be TEI4.

Also, Dirk Gerstenberger (Ericsson) asked if the Rel-4 change, the addition of the possibility to have multiple FPACH, is a functionality that was supposed to exist from the beginning and forgotten in the spec, or is it a new functionality. Alex clarified that the CRs are linked to RAN1 CRs in RP-040319, aligning RAN3 specs with RAN1. Finally, all CRs in RP-040324 and RP-040362 are approved.

7.4.6 Approval of linked CRs where the leading one originated from WG3

RP-040298 CRs (Rel-5 and Rel-6 Category A) to TS 25.413 Addition of Relocation Failure cause code (RAN WG3)
The CRs are approved; the linked CRs 109 and 110 (Rel-5 & Rel-6) to 29.010 “Addition of cause code mapping for inter-system handover” are approved in parallel in TSG CN.

7.5 TSG RAN WG4

7.5.1 Report from WG4 including report on actions required from the previous meeting

RP-040281 Status Report WG4 (RAN WG4 Chairman)
Howard Benn (RAN WG4 chairman) presented this report. WG4 activity can be summarized as follows:

- 1 RAN WG4 meeting after the last RAN meeting
- Joint adhoc held with RAN 1

- Usual number of delegates (around 80)
- ~200 input contributions
- Corrections to the specification (cat B & F numbers)
  - Release 99 - 3 CRs (all linked with T1 issues)
  - Release 4 - 0 CRs
  - Release 5 - 5 CRs
  - Release 6 – 16 CRs
- There will be one WG meeting before the next plenary.
- HSDPA UE power back off: Rel-6 CR agreed. Cubic Metric agreed by RAN 1/4 as output power assessment criteria going forward
- ETSI SES presented an LS asking RAN4 to investigate coexistence with the terrestrial component.
- RET Antennas: Some changes may be required to the RAN4 base station test specifications
- MBMS: Measurement occurrences discussed, Ongoing RAN4 work needed but no RAN4 work item.
- Downlink Outer Loop Power Control Requirements: Agreed to introduce a new test
- AGPS: Work completed.
  - 25 hours of conference call that proved very productive
  - TS 25.171 presented for approval
- UE Receive Diversity for HSDPA, CR presented for approval

On UTDOA (slide 8), Howard clarified that the proposal was reviewed in WG4 after the other WGs had agreed to go for a WI, not a SI. WG4 focused on the impact of the new WI on WG4 specs, mainly on the new RF requirements for the LMU. The assumption was that no additional requirements would be needed, and hence the work and impact of the new WI in WG4 will be very reduced.

RP-040282 List of CRs from RAN WG4 (RAN WG4)
The list is provided for information

7.5.2 Discussions on decisions from WG4

RP-040366 LS on Satellite component of UMTS/IMT-2000 regarding recent developments on a W-CDMA Radio Interface and proposal for compatibility studies. (ETSI SES/SUMTS)
This LS was received in RAN WG4, and some companies there requested that it is reviewed in TSG RAN. This is a follow-up on discussions in Biarritz (September 2002 RAN meeting). ETSI SES (Satellite Earth stations and Systems) asks for cooperation with WG4, which will involve active work from the WG4 side. This is currently out of the Terms of Reference of the group. Nokia expressed some concern on the expertise of WG4 to perform the work.

The proposal from Howard Benn (RAN WG4 chairman) is that RAN4 will review the compatibility results brought up, but will not perform any compatibility studies on this area. RAN4 doesn't specify requirements for the bands adjacent to the FDD & TDD used in terrestrial UMTS, but on the opposite, RAN4 adopts the requirements developed by other bodies, regulatory organizations normally, and drafts 3GPP specifications in a way that those requirements are fulfilled.

Additionally, the collaboration will be limited to co-existence aspects, interworking should be addressed at TSG SA.

As a conclusion, it is agreed that RAN4 will review the documentation received from ETSI SES and the co-existence studies that ETSI SES will produce, but will not produce simulations or studies itself.

7.5.3 Approval of CRs to Rel'99 with linked CRs to Rel-4 , Rel-5 & Rel-6

RP-040283 CRs (R99 and Rel-4/Rel-5/Rel-6 Category A) to TS25.133 (RAN WG4)
No comments, the CRs are approved

7.5.4 Approval of independent CRs to Rel-4 with linked CRs to Rel-5 & Rel-6

No Change Request for Rel-4, other than the Cat A above.

7.5.5 Approval of independent CRs to Rel-5 with linked CRs to Rel-6

The 3 documents in the table below contain CRs agreed by WG4 and were approved without comments

Document	Title
RP-040284	CRs (Rel-5 and Rel-6 Category A) to TS25.101 for HSDPA-RF
RP-040285	CRs (Rel-5 and Rel-6 Category A) to TS25.123 for the correction of UTRA Carrier RSSI and other corrections
RP-040286	CRs (Rel-5 and Rel-6 Category A) to TS25.133

RP-040367 CRs228, 229 to TS25.104 & CRs353, 354 to TS25.141 on Regional Requirement on HSDPA (ARIB)
Japanese regulations now cover HSDPA, the note on regional non applicability of HSDPA requirements for BSs is now removed.
No comments, the CRs are approved

7.5.6 Approval of linked CRs where the leading one originated from WG4

No CRs

8 Release 6 and beyond: Status update and approval of CRs, reports

8.1 Radio Interface Improvement Feature

8.1.1 Improvement of inter-frequency and inter-system measurements

RP-040261 Status Report for WI Improvement of inter-frequency and inter-system measurement (Nokia)
Antti Toskala (Nokia) presented this report
Two topics have been discussed under the frame of this WI:

- Code Sharing during Compressed Mode: after a lengthy discussion RAN WG1 didn't see any gain

- Multiframe Compressed Mode by Puncturing and Unequal Frame Segmentation: Discussion continues in RAN1.

Joerg Gustrau (Siemens) noted that the work on the second area should have been initiated as a study, the WI is being used as a basket where new proposals are presented avoiding the study phase. He suggested to close the item to avoid this situation further. Dirk Gerstenberger (RAN WG1 chairman) also supported this view, reminding that the WI has been open for long time without clear conclusion.
It is agreed to close the WI.

RP-040343 Request for WI 8.1.1 continuation (Mitsubishi)

Mickael Bouyaud (Mitsubishi) presented this document.
The contribution doesn't change the view of Ericsson and Siemens on the closure of the WI, it is suggested that a Study Item is proposed to asses the gains of the proposed technique. This will be done for the next meeting

8.1.2 Improved Receiver Performance Requirements for HSDPA

8.1.2.1 Performance Requirements of Receive Diversity for HSDPA

RP-040262 Status Report for WI Performance Requirements of Receive Diversity for HSDPA (NTT DoCoMo)

Takehiro Namkamura (NTT DoCoMo) presented this report
The level of completion for the first part of the WI is 90% (UE Categories 1 to 6), but for categories 7 & 8 the schedule for completion is March.
It was asked what the status of 15-codes UE is. It is clarified that this is out of the scope of the current WI. However, if companies are willing to perform the work it could be placed inside the current WI. This can be agreed in WG4.
Ericsson commented that it would be useful to extend the work for other channels, apart of HS-PDSCH. In this direction, other companies noted similar WI for MBMS could be useful.

The need to signal to the network the enhanced performance was discussed in last RAN. Howard Benn (RAN WG4 chairman) confirmed that no contributions on this point were presented in WG4. For Denis Fauconnier (Nortel), this is an open point that could be raised in the future. This is not an open point for the completion of the WI, but an issue that can be discussed later.

RP-040287 CR (Rel-6) to TS25.101 for WI "Performance Requirements of Receive Diversity for HSDPA" (RAN WG4)

It is noted that normally all CRs to a given WI should be presented together when the WI is completed. In this case, it would have been preferable to have independent WI for each set of performance requirements and so conclude them independently, but the administrative overhead would be excessive. Each set of requirements can be approved independently; the risk of later corrections to the approved CR is low.
The CR is approved

8.2 RAN Improvement Feature

8.2.1 Radio access bearer support enhancement

RP-040263 Status Report for WI RAB support enhancement (Nokia)

Juho Pirskanen (Nokia) presented this report
The time scale proposed seemed feasible, WG2 would be ready to produce the CRs by December.

8.2.1.1 Optimisation of downlink channelisation code utilization

RP-040264 Status Report for WI Optimisation of downlink channelisation code utilisation (Nortel)

Evelyne Lestrat (Nortel) presented this report
Contributions have been presented in RAN1 and RAN3. From the perspective of Dirk Gerstenberger (RAN1 chairman), the December deadline is feasible. It is requested that this topic, and the TDD counterpart, are discussed also in the September RAN1 meeting. Dirk agreed to introduce ~~the topic~~FDD ~~in the agenda. However~~but~~,~~ he objected to introduce ~~the~~ TDD ~~topic to~~ in the agenda at this late stage, since so far TDD companies are not required to attend the Korea meeting. This was agreed by the group.

8.2.1.2 Optimisation of channelisation code utilisation for TDD

RP-040363 Status Report for WI Optimisation of channelisation code utilisation for TDD (IPWireless)

Derek Richards (IPWireless) presented this report
One document was sent for last RAN1 but couldn't be presented due to the lack of time. It is impossible at this point to determine the open issues.

8.2.2 RRM optimizations for Iur and Iub

No contributions

8.2.3 Remote Control of Electrical Tilting Antennas

RP-040266 Status Report for WI Remote Control of Electrical Tilting Antennas- - RAN Aspects (Vodafone)

Alan Law (Vodafone) presented this report
The open issues are minor and will be handled via CRs. The specifications are provided for approval at this meeting, the WI is concluded

RP-040305 TR 25.802 on Remote Control of Electrical Tilting Antennas (RAN WG3)

No comments, the TR is approved and will be put under change control as v6.0.0

RP-040303 CR (REL-6 category B) to TS 25.401 on Introduction of Iuant into UTRAN architecture for control of RET antennas (RAN WG3)

The CR is approved without comments

RP-040304 TS 25.460: UTRAN Iuant Interface: General Aspects and Principles (RAN WG3)
RP-040344 TS 25.461: UTRAN Iuant Interface: Layer 1 (RAN WG3)
RP-040345 TS 25.462: UTRAN Iuant Interface: Signalling transport (RAN WG3)
RP-040346 TS 25.463: UTRAN Iuant Interface: RETAP signalling (RAN WG3)

These new specifications are presented as v1.0.0, for information and approval at the same time. The 4 TS are approved and will be put under change control as v6.0.0.

The work for the Support of RET in the network management OAM&P is also concluded in SA WG5, hence the RET feature can be considered completed.

8.3 UE Positioning

8.3.1 A-GPS minimum Performance Specification

RP-040267 Status Report for WI A-GPS minimum performance specification (ATT)
Dongling Shen (AWS) presented this report
The progress in this area shows how new working methods, conference calls in this case, can speed the work significantly when they are well prepared producing a list of issues to be solved.

RP-040341 TS 25.171 Requirements for support of A-GPS (FDD) v1.0.0 (RAN WG4)
Although v1.0.0, the TS is presented for approval as it is more than 80% complete. The pending aspects, CELL_PCH and URA_PCH state requirements, will be dealt with in the future. Dongling however couldn't provide a completion date for these states. The TS is anyway approved and will be put under change control as v6.0.0.

In view of these missing parts, it is asked if the WI can be closed. Donglin and Howard Benn (RAN WG4 chairman) reminded that the agreement in WG4 was to close the WI. Howard noted however that these two states can be tackled later, within a second WI or under TEI, probably on Release later than 6, as it was estimated that this part of the work could take 12 to 18 months.
The test cases will be produced by T1 RF now that the requirements are completed.
It is finally agreed to close the Work Item.

8.4 Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN

RP-040268 Status Report for WI Introduction of MBMS in RAN (Nokia)
Juho Pirskanen (Nokia) presented this report
Reading the report, it seems that there are open issues for stage 2. It is asked if these are key issues. Juho clarified that they are related to soft combining, which is the main open issue in RAN1/RAN2
The issue with soft combining is related to a new proposal presented in last RAN1 meeting based on selective, or partial, combining of the S-CCPCH. Not taking this option into account, the completion dates are feasible. This was the view of Nokia and Samsung.
Dirk clarified that the different combining options are required for different needs of radio link synchronization, depending on the time difference. May be all the options are finally incorporated to the specs.
After discussion, it seems that RAN1 can solve the combining discussions in the next meeting in September and the December timeline can be preserved.

RP-040340 CRs to 25.346 Rel-6 (RAN WG2)
No comments, the CRs are approved

8.5 Multiple Input Multiple Output Antennas

RP-040269 Status Report for WI Multiple Input Multiple Output antennas (MIMO) (Lucent)
Said Tatesh (Lucent) presented this report.
Given the needed prioritisation of RAN1 meeting time, TSG RAN asks the WG prioritise Rel-6 issues over MIMO. It is suggested that alternative methods can be used, like conference calls or sessions parallel to the main meeting.
After discussion, companies didn't favour the parallel session approach, as it is not only a matter of meeting time but also of experts' time. So, WG1 is asked to treat Rel-7 items only if there is time left after Rel-6 items. This only applies to the upcoming meetings in September and November, the situation will be reconsidered after December.

8.6 Enhancement of the support of network sharing in the UTRAN

RP-040270 Status Report for WI Enhancement of the support of network sharing in the UTRAN (TeliaSonera)
Per Ernstrom (TeliaSonera) presented this report.
The completion date is moved from September to December 2004, however there is confidence that the work can be finished by then and hence included in Rel-6

8.7 FDD Enhanced Uplink

RP-040271 Status Report for WI FDD Enhanced Uplink (Ericsson)
Joachim Bergstrom (Ericsson) presented this report
Joachim clarified that Stage 2 is not 100% completed yet, closer to 80%.
It is clarified that the work in RAN4 will be related mostly to NodeB performance but similarity with the work done on HSDPA will help.
There were some concerns on the level of completion of stage 2 in sight of the TR as presented, Motorola found premature to claim that the TS is 80% completed and to send it to ITU as it is.
The agreement in TSG RAN is that Enhanced Uplink is an essential feature in Rel-6.

RP-040372 Alternative transmitter performance metric (Motorola, Panasonic, Nokia, Qualcomm)
Edgar Fernandes (Motorola) presented this document
The document contains the formula for the Cubic Metric agreed in RAN4 UE TX power reflector and it is intended to be used in RAN1 for the evaluation of physical channels configurations.
From a formal perspective, it is objected that the document hasn't been approved by RAN4, but only in the Ad Hoc for UE TX Power. It is noted however that this Ad Hoc reflector was created for the purpose of discussions in this area, so the document can be considered fully endorsed by RAN4.
It is finally agreed that the document can be sent to RAN1 reflector as RAN4 approved.

RP-040358 TS 25.309, Enhanced uplink UTRA FDD; Stage 2, v1.0.0 (RAN WG2)
It is noted that there are many sections in this TS that are empty, and it is asked if this is due to the lack of agreement on the topic or to the lack of agreement in the text to be introduced. Denis clarified that 80% of the Stage 2 issues had been agreed, the text that is missing is mostly related to Stage 3 issues. The TS is not big in size as~~,~~ it was felt that ~~the size~~it should be limited to contain only the most important part.

The TS is approved and will be put under change control as v6.0.0. ETSI will send this version sent to ITU WP8F in the CD.

8.8 Technical Small Enhancements and Improvements

RP-040288 CRs (Rel-6) to TS25.101 & TS25.133 for WI "Technical Enhancements and Improvements" (RAN WG4)

No comments, the CRs are approved.

RP-040306 CR (REL-6 category B) to TS 25.453 on introduction of the requested accuracy and an indication of achieved accuracy in Position Calculation procedure over Iupc (RAN WG3)

No comments, the CRs are approved.

RP-040338 CR to 25.303 Rel-6 (RAN WG2)

No comments, the CRs are approved.

8.9 Closed Release-6 Work Items

The documents in the table below contain CRs agreed by the WGs. They are approved without comments.

Tdoc	Title	Source
RP-040289	CRs (Rel-6) to TS25.106 & TS25.143 for the redrafting of co-existence tables	RAN WG4
RP-040290	CRs (Rel-6) to TS25.123 for corrections to Low Chip Rate TDD	RAN WG4
RP-040292	CRs (Rel-6) to TS25.101, TS25.104 & TS25.141 for WI UMTS850 & UMTS1721	RAN WG4
RP-040307	CRs (Rel-6 Category F) to TS 25.423 and (Rel-6 Category D) to TR 25.901	RAN WG3
RP-040339	CR to 25.331 Rel-6 on correction to the UMTS850 (Band V) tabular	RAN WG2

8.9.1 UE Power Back off

RP-040291 CRs (Rel-6) to TS25.101 & TS25.133 for corrections to HSDPA related to power back off (RAN WG4)

RAN WG4 presents again the Rel-6 CRs on power back off, no changes compared to the versions presented and rejected in TSG RAN 3 months ago. Only one company had objected in RAN4 but finally withdrawn the opposition. The issue seems however to remain open, the CR below by Ericsson introduces a line to clarify that the power reduction will not apply to the future combination of HSDPA+EDCH.

RP-040373 CR342r3 to 25.101, UE maximum output power with HS-DPCCH (Ericsson)

Thomas Unshelm (Ericsson) presented this CR

This document revises CR342r2 in RP-040291 with the addition of the following text, intending to clarify that the relaxation only applies to HSDPA-only Rel-6 UEs:

This section is applicable for UEs that are capable of HS-DSCH, DCH, FACH, RACH, PCH, BCH, and optionally DSCH but not capable of any other transport channels.

It is noted that this formulation doesn't take CPCH into the list of channels.

Howard Benn (Motorola) noted that there is no need for such a note to avoid that the relaxation is applied to HSDPA+EDCH Rel-6 UEs because there is no explicit specification for a HSDPA+EDCH UE anyway. Howard proposed to take note of this in the meeting report instead of the specification. This was also supported by Nortel, Nokia and NEC. Ericsson objected a note in the report, in its view it doesn't have value as far as it is not in the specification.
Howard also warned against the divergence of Rel-5 and Rel-6 specification which comes with the rejection of the Cat.A CR as presented by WG4.

RP-040384 UE output power for HSDPA only terminals, CR365 to 25.101 (Ericsson)
Thomas Unshelm (Ericsson) presented this CR
This CR introduces the following note in the specification:

The applicability of this clause for UEs that support E-DCH is FFS.

It is noted that 34.121 is listed as spec affected, but the test development for this requirement hasn't started. Thomas agreed, but the note needs to be there in case the development of the tests starts.

With this CR, agreement is finally reached. All CRs in RP-040291 and RP-040384 are approved. The CR in RP-040373 is rejected.

8.10 Study Items

8.10.1 Radio Link Performance Enhancements

RP-040272 Status Report for FS on Radio link performance enhancements (Nokia Networks)
Antti Toskala (Nokia) presented this report
The study was left open in last TSG in order to complete the analysis on coverage gain and complexity of the ACK/NACK enhancements. This analysis is presented in the CR below to TR25.899. The Study can be closed now.

RP-040320 CRs (Rel-6 Category F) to TR 25.899 (RAN WG1)
No comments, the CRs are approved.

8.10.2 Analysis of Higher Chip Rate for UTRA TDD evolution

RP-040273 Status Report for FS on Analysis on Higher Chip Rates for UTRA TDD evolutions (IPWireless)
Derek Richards (IPWireless) presented this report
The proposed conclusion in RAN4 had been rejected in RAN1, on the basis that it hadn't been agreed by RAN4. It was reckoned that RAN4 hadn't been formally asked to approve the 4 lines of that conclusion, but RAN4 anyway had reviewed a number of papers under this item and the conclusion proposed seems to be inline with the documents presented in RAN4.

RP-040361 TR25.895 v2.0.0: Analysis of higher chip rates for UTRA TDD evolution (Release 6) (IPWireless)
The report is approved, but the Appendix B of the Status Report above will be appended to section 7, Conclusions, of the TR. The TR will be put under change control as v6.0.0

The Study Item is concluded.

8.10.3 Evolution of UTRAN Architecture (On Hold)

This Study is kept on hold until RAN WG3 finishes the MBMS work.

8.10.4 Uplink Enhancements for UTRA TDD

RP-040274 Status Report for FS on Uplink enhancements for UTRA TDD (Interdigital)
Jim Miller (Interdigital) presented this report
Dirk Gerstenberger (Ericsson) objected that the progress has been very slow in this study and the completion level proposed, 65 %, is too high. Jim answered that the impact on upper layers is expected to be very small.
It was noted that the TR should have been presented for information, given that the SI completion is more than 50%.

8.11 New Work Items/Study Items

Jussi Numminen (Nokia) presented the three documents below related to UE performance improvements.
RP-040374 Improvements of HSDPA performance requirements for 10 code UEs (Nokia)
The document presents justification for the creation of a new WT, focused on 10 code HSDPA UEs (Cat. 7 & 8) based on Equaliser receiver.
The creation of this WT doesn't stop or interfere the current work under "Performance Requirements of Receive Diversity for HSDPA" for Cat. 7 & 8 UEs, which is based on the increased performance due to RX diversity.
The Description Sheet is provided below.

RP-040375 New WT proposal: Improved performance requirements for HSDPA categories 7 & 8 (Nokia)
Supporting companies are: Cingular, Nokia, NTT DoCoMo, Motorola, Panasonic, Samsung, Siemens, T-Mobile, Vodafone and Ericsson.
Jussi clarified that this WI doesn't close the existing one, it will set a parallel group of requirements. The expected completion date is June 2005, it is however the intention that the new requirements are included in Rel-6.
The WT is approved

RP-040376 Modification of schedule for improved receiver performance requirement for HSDPA WI (Nokia)
The WI Sheet for the umbrella building block is modified to take into account the new Work Task and the change in schedule of the WT for RX diversity.
The modifications proposed are approved.

RP-040347 Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications (TruePosition)
Robert Gross (TruePosition) presented this proposal
Derek Richards (IPWireless) explained that, after discussion with some companies, there is no need to make the WI FDD-specific. Robert agreed to remove the references to FDD from the Description Sheet.
Other minor editorial modifications were proposed, also only one rapporteur should be appointed.

It was asked if the specification LMU-SMLC interface is under the scope. Robert explained that not the short term, but it is envisaged for the future. He noted that specifying now that interface would be undesirable for the deployments being made by some operators.

The specification of the LMU performance requirements was contested; as it wasn't formally agreed in RAN4.

It was found that the timeline was stretched; in particular the LMU specification is scheduled for completion in two years. It is however argued that nothing stops companies from contributing and speeding the work.

A revision of the WI sheet will be provided considering the comments above, but the proposal is essentially approved

RP-040387 Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications (TruePosition)

The Sheet is modified with the comments above. Supporting companies are : Cingular Wireless, T-Mobile USA, TruePosition, Andrew Corporation, SBC Communications and IPWireless.
The WI is approved

RP-040349 Proposed Work Item for HS-DPCCH ACK/NACK enhancement (Nokia, Philips)

Antti Toskala (Nokia) presented this proposal
Hans van der Veen (NEC) objected that the expected gain, as concluded in the Study, is only 1 dB increase in performance at link level. This was found not sufficient for the complexity.
Matthew Baker (Philips) clarified that the complexity and gain of the proposed ACK/NACK decoding falls between the current ACK/NACK decoding and the CQI decoding. The proposal is discussed off line to come to a formulation acceptable to all.

RP-040390 Proposed Work Item for HS-DPCCH ACK/NACK enhancement (Nokia, Philips)

Antti Toskala (Nokia) presented this proposal
The justification and objective have been modified with the comments from companies, the focus now is to improve coverage for uplink dedicated channels.
It is clarified that the WI is intended to be part of Rel-6.
Supporting companies are: Nokia, Philips, Mitsubishi, Siemens, T-Mobile, TeliaSonera, 3, Orange
The WI is approved

RP-040365 Proposed Work Item on 7.68 Mcps TDD Option (IPWireless)

Derek Richards (IPWireless) presented this proposal
Supporting companies are: IPWireless Inc., UTStarcom, Softbank BB Corporation, Panasonic Mobile Communication and Mitsubishi
Evelyn Lestrat (Nortel) reminded that there were objections and comments raised in RAN1 on this new TDD option and was surprised to see that companies do not object in RAN.
The frequency band of application was asked. Derek clarified that it would be applicable in the core bands, for the (few) cases that operators have more than 5 MHz, or for the extension bands.

No other comments, the WI is approved

RP-040370 Proposed WI: MBMS performance requirements (Vodafone UK)

Alan Law (Vodafone) presented this proposal

Supporting companies are: Vodafone Group, NTT DoCoMo, TIM, T-Mobile, Ericsson, Nortel Networks, Panasonic, Samsung, Nokia and Qualcomm
The requirements will be introduced in Rel-6, together with the rest of MBMS specifications, even if the completion date of the work is June 2005.
No comments, the WI is approved

RP-040377 WI proposal for UMTS2600 (Nokia)
Antti Toskala (Nokia) presented this proposal.
Supporting companies are: Nokia, Motorola, Siemens, Ericsson, Nortel Networks, Lucent

Hans van der Veen (NEC) didn't see the need to approve this WI at this meeting, given that the LS from ECC for this band hasn't been received and it seems that ITU is going to discuss this band in the short term. It may happen that the allocation in other regions is not the same as in Europe. He made clear however that he did not object to the WI and understood that it was a European requirement.
Antti noted that there is a clear European regulatory requirement now, and the requirements from other regions can be taking into account during the WI, there is no need to stop the creation for this reason. Concerning the LS, it seems that it hasn't arrived here for administrative reasons although it has been approved in ECC.

It is noted that the band is used for satellite in Korea. However, like it was done in the past for the UMTS800 or UMTS850, the region of application will be clear in the specification. Howard Benn (Motorola) reminded that there are currently overlapping requirements in the UMTS800 and UMTS850, so it wouldn't be a problem if this band is used differently in other regions.

The status of the middle band seems unclear, Antti clarified that ECC has left it open to use it for FDD downlink or TDD. This proposal doesn't deal with that middle band, it might be studied later as further information may come from ECC.

Takehiro Nakamura (NTT DoCoMo) requested to state explicitly in the Description Sheet that the WI applies only to region 1.

The proposal is approved in principle, RAN4 is tasked to review the actual decision in ECC, the upcoming LS and this Description Sheet and revise it if needed.

Note: The LS from ECC PT1 was received immediately after the meeting. It was circulated by the chairman on the reflector and it is made available as document RP-040394. ~~This LS~~It contains the draft ECC decision on the 2600 MHz band.

9 Technical co-ordination among WGs

No contributions

10 Outputs to other groups

RP-040393 LS to ECC WG FM on UMTS in the 900 MHz band (Chairman)
This LS was made available by the chairman in the email reflector after the meeting. It will be sent to ECC PT1 chairman if no objections are received before 17th September.

11 Project management

RP-040293 RAN WIs & SIs (3GPP Support)
This document is made available for information, presents the Description Sheets of RAN WIs & SIs updated after meeting #24

Alain Sultan (3GPP Support) presented the following documents
RP-040386 Revision of 3GPP Work Plan Rel-6 (3GPP Support)
This document contains a power point presentation summarizing the status of all 3GPP WIs.
After presentation, there was discussion on the freezing of Rel-6. It seems clear that Rel-6 has little sense in the UTRAN without the inclusion of MBMS and Enhanced Uplink. In view of the progress in these items, it seems premature to freeze the Release in September or even December.

It is clarified that the "Evolution of the transport in the UTRAN" hasn't been formally closed yet. After a short discussion, it is left open on the basis that it is a basket feature that has been used in the past and it is convenient for generic work in RAN3.

RP-040388 Testing of Rel99 features (3GPP Support)
The document is presented for information, TSG RAN feature in R99 is the creation of UTRAN and the necessary testing is already on its way in T1.

RP-040389 3GPP Work Plan (3GPP Support)
Made available for information

John Meredith (3GPP Support) presented the following documents
RP-040351 CRs to 21.900 (3GPP Support)
The first CR deals with the cases of early presentation of TS/TRs for approval. Although it is required in the Working Procedures that a specification should be presented first for information as v1.0.0 and at a later TSG for approval as v2.0.0, it is very often the case that it is presented as v1.0.0 for approval. The CR documents this "exceptional" case.
The chairman opposed documenting and regulating a case that should be exceptional, because it may be understood as part of the normal procedure.

The second CR tries to clarify the use of WI codes in CRs. The CR seems to contradict existing RAN practice of using TEI for all R99. John explained that the common understanding so far was that no WI code was need for R99 RAN CRs, as the only Work Item was the introduction of the UTRAN as a whole. However, the convention in RAN has been to use TEI. John will update the CR to cope with this particularity.

There was also some discussion on the section related to the code to use for late correction CRs; mostly related to the formulation used. Paper RP-040391 below further clarifies the use of WI codes for RAN WGs.

John will produce a revised version of the CRs with the comments received. It is noted anyway that these CR is to be approved in TSG SA, not RAN.

RP-040352 Specs per Release; a comparison (3GPP Support)
The WGs are asked to confirm if specifications and reports under their responsibility will be brought to Rel-6. The WGs will have to take this decision in their next meetings and provide the information to TSG RAN and the specification manager.

RP-040353 status list before (3GPP Support)
Made available for information

RP-040354 revised WID form (3GPP Support)
Made available for information, it will be discussed in TSG SA.

RP-040391 Guidance on the use of WI codes (acronyms) for CRs (3GPP Support)
Cesar Gutierrez (3GPP Support) presented this document
The document provides guidance on the WI code to be used for CRs. It aligns with the working procedures and clarifies some cases particular to RAN, the goal being to have the same approach through all RAN WGs. This guidance will be distributed to WGs.

12 Any other business

RP-040368 Scope of RAN WGs and T1 for HSDPA tests (NTT DoCoMo)
Takeakahirou Nakamura (NTT DoCoMo) presented this document, on the field of the new RB combinations and test coverage currently under discussion in RAN1/RAN2/T1 for HSDPA.
RAN1/RAN2 should provide general guidance, including recommendations, on test coverage but then allow T1 to finalise the test coverage and to develop test cases in accordance with industry requirements. It is found that there is no clear procedure now on who leads the introduction of new RABs in 34.108. Although the specification is under T1 responsibility, it is often RAN1/RAN2 who produces CRs for introduction of new RABs. NTT DoCoMo believes that T1 should have the lead, being the group with the expertise in test, testing time, and in contact with GCF, test manufacturers.

As a matter of principle, new RAB combinations should be proposed to T1 Sig, and from there they will be sent to RAN1/RAN2 for guidance. These groups will report back.
This applies to RABs to be included in 34.108, responsibility of T1. A different issue is 25.993, responsibility of RAN2. The split between the purpose of these two specifications is clear, 34.108 contains test cases; and 25.993, Commercial & interoperability RABs.

There was some discussion on the possibility that WG2 holds co-located, or joint Ad Hocs, with T WG1-Sig. It seems that T1-Sig has the list of meeting for 2005 already planned so this may be difficult, it was however found desirable by a majority of companies.

This goal would be looked after the potential decision by PCG on merging T1 in RAN, but looking at a nearer future, T1 is only meeting once before December 2004. This is unfortunate, as RAN1 is meeting twice and HSDPA RABs could be discussed there. The procedure is anyway clear, any new combination should be presented in T1 or in T1 email reflector, and RAN1 will discuss what comes from T1 only. RAN1 and RAN2 will then react on the output from T1. However, RAN1/RAN2 will continue to process everything that is already 'in the pipe' at this stage.

RP-040385 Draft Scope and Agenda for the RAN long term evolution (Chairman)
Francois Courau (chairman) presented this document
The Work Shop will take place in Toronto, Canada, 2-3 November. The host is Ericsson. The invitation will be made available in RAN reflector and 3GPP and ETSI web sites in short term.
It is clarified that this is a3GPP only work shop, not linked to WWRF.
The proposed scope and agenda are approved, the document will be circulated in the email reflector.
Concerning the contributions, title and abstract (half page) will have to be provided to the chairman by 8th October, and the full contributions will be made available in RAN reflector before 25th October.

RAN WG1 chairman confirmed that the group will have two additional meetings in 2005.

John Meredith (MCC coordinator) announced the departure of RAN WG1 secretary, Tsukasa Sasaki, and the arrival of his replacement, Yoshi Ishii. He thanked Sasaki-san for his participation in MCC and 3GPP.

13 Closing of the meeting

The chairman closed the meeting at 13:30 on Thursday 9th September. He thanked the host for the organization, MCC for the support and delegates for their participation.

Annex A: List of participants

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Annex B: List of documents

See main body of the report for clarification on documents partially approved or approved with a note xx).

Tdoc	Title	Source	Decision
RP-040260	Draft Agenda meeting #25	Chairman	Approved
RP-040261	Status Report for WI Improvement of inter-frequency and inter-system measurement	Nokia	Noted
RP-040262	Status Report for WI Performance Requirements of Receive Diversity for HSDPA	NTT DoCoMo	Noted
RP-040263	Status Report for WI RAB support enhancement	Nokia	Noted
RP-040264	Status Report for WI Optimisation of downlink channelisation code utilisation	Nortel	Noted
RP-040265	Status Report for WI Optimisation of channelisation code utilisation for TDD	IPWireless	Revised in 363
RP-040266	Status Report for WI Remote Control of Electrical Tilting Antennas- - RAN Aspects	Vodafone	Noted
RP-040267	Status Report for WI A-GPS minimum performance specification	ATT	Noted
RP-040268	Status Report for WI Introduction of MBMS in RAN	Nokia	Noted
RP-040269	Status Report for WI Multiple Input Multiple Output antennas (MIMO)	Lucent	Noted
RP-040270	Status Report for WI Enhancement of the support of network sharing in the UTRAN	TeliaSonera	Noted
RP-040271	Status Report for WI FDD Enhanced Uplink	Ericsson	Noted
RP-040272	Status Report for FS on Radio link performance enhancements	Nokia Networks	Noted
RP-040273	Status Report for FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	IPWireless	Noted
RP-040274	Status Report for FS on Uplink enhancements for UTRA TDD	Interdigital	Noted
RP-040275	Status Report WG1	RAN WG1 Chairman	Noted
RP-040276	List of CRs from RAN WG1	RAN WG1	Noted
RP-040277	Status Report WG2	RAN WG2 Chairman	Noted
RP-040278	List of CRs from RAN WG2	RAN WG2	Revised in 359
RP-040279	Status Report WG3	RAN WG3 Chairman	Noted
RP-040280	List of CRs from RAN WG3	RAN WG3	Noted
RP-040281	Status Report WG4	RAN WG4 Chairman	Noted
RP-040282	List of CRs from RAN WG4	RAN WG4	Noted
RP-040283	CRs (R99 and Rel-4/Rel-5/Rel-6 Category A) to TS25.133	RAN WG4	Approved
RP-040284	CRs (Rel-5 and Rel-6 Category A) to TS25.101 for HSDPA-RF	RAN WG4	Approved
RP-040285	CRs (Rel-5 and Rel-6 Category A) to TS25.123 for the correction of UTRA Carrier RSSI and other corrections	RAN WG4	Approved
RP-040286	CRs (Rel-5 and Rel-6 Category A) to TS25.133	RAN WG4	Approved
RP-040287	CR (Rel-6) to TS25.101 for WI "Performance Requirements of Receive Diversity for HSDPA"	RAN WG4	Approved
RP-040288	CRs (Rel-6) to TS25.101 & TS25.133 for WI "Technical Enhancements and Improvements"	RAN WG4	Approved
RP-040289	CRs (Rel-6) to TS25.106 & TS25.143 for the redrafting of co-existence tables	RAN WG4	Approved
RP-040290	CRs (Rel-6) to TS25.123 for corrections to Low Chip Rate TDD	RAN WG4	Approved
RP-040291	CRs (Rel-6) to TS25.101 & TS25.133 for corrections to HSDPA related to power back off	RAN WG4	Approved
RP-040292	CRs (Rel-6) to TS25.101, TS25.104 & TS25.141 for WI UMTS850 & UMTS1721	RAN WG4	Approved

Tdoc	Title	Source	Decision
RP-040293	RAN WIs & SIs	3GPP Support	Noted
RP-040294	Revised draft report meeting #24	3GPP Support	Approved
RP-040295	CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS 25.433	RAN WG3	Approved
RP-040296	CRs (Rel-5 and Rel-6 Category A) to TS 25.411, TS 25.415 and TS 25.430	RAN WG3	Approved
RP-040297	CRs (Rel-5 and Rel-6 Category A) to TS 25.401, TS 25.414, TS 25.426 on IP-ALCAP	RAN WG3	Approved
RP-040298	CRs (Rel-5 and Rel-6 Category A) to TS 25.413 Addition of Relocation Failure cause code	RAN WG3	Approved
RP-040299	CRs (Rel-5 and Rel-6 Category A) to TS 25.413	RAN WG3	Approved
RP-040300	CRs (Rel-5 and Rel-6 Category A) to TS 25.423	RAN WG3	Approved
RP-040301	CRs (Rel-5 and Rel-6 Category A) to TS 25.433	RAN WG3	Approved
RP-040302	CRs (Rel-5 and Rel-6 Category A) to TS 25.423 and TS 25.433	RAN WG3	Approved
RP-040303	CR (REL-6 category B) to TS 25.401 on Introduction of Iuant into UTRAN architecture for control of RET antennas	RAN WG3	Approved
RP-040304	TS 25.460: UTRAN Iuant Interface: General Aspects and Principles	RAN WG3	Approved
RP-040305	TR 25.802 on Remote Control of Electrical Tilting Antennas	RAN WG3	Approved
RP-040306	CR (REL-6 category B) to TS 25.453 on introduction of the requested accuracy and an indication of achieved accuracy in Position Calculation procedure over Iupc	RAN WG3	Approved
RP-040307	CRs (Rel-6 Category F) to TS 25.423 and (Rel-6 Category D) to TR 25.901	RAN WG3	Approved
RP-040308	Proposed Final Submission toward Rev 5 of M.1457	ITU-R Ad Hoc	Revised in 378
RP-040309	Proposed update of Section 5.1.1	ITU-R Ad Hoc	Revised in 379
RP-040310	Proposed update of Section 5.1.2	ITU-R Ad Hoc	Revised in 380
RP-040311	Proposed update of Section 5.3.1	ITU-R Ad Hoc	Revised in 381
RP-040312	Proposed update of Section 5.3.2	ITU-R Ad Hoc	Revised in 382
RP-040313	Draft accompanying letter for the submission of the updated Global Core Specifications (GCS)	ITU-R Ad Hoc	Approved
RP-040314	Draft Reminder for the OPs on the compliance with ITU-R procedures as it relates to Revision 5 of Recommendation ITU-R M.1457	ITU-R Ad Hoc	Revised in 383
RP-040315	CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.222 for correction of symbol Xi defined in sub-frame segmentation step	RAN WG1	Approved
RP-040316	CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.224 for transmit diversity usage for beacon channels in LCR TDD	RAN WG1	Approved
RP-040317	CRs (Rel-5 and Rel-6 Category A) to TS25.211 for correction for the slot range of DL DPCCH power control preamble for CPCH	RAN WG1	Approved
RP-040318	CRs (Rel-5 and Rel-6 Category A) to TS25.214 for clarification of SSDT uplink only signalling	RAN WG1	Approved
RP-040319	Linked CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.224 & TS25.331 for corrections of radio access procedure for 1.28Mcps TDD	RAN WG1	Approved
RP-040320	CRs (Rel-6 Category F) to TR 25.899	RAN WG1	Approved
RP-040321	LS to TSG T on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457	ITU-R Ad Hoc Contact Person	Approved
RP-040322	LS to TSG CN on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457	ITU-R Ad Hoc Contact Person	Approved
RP-040323	LS to TSG SA on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457	ITU-R Ad Hoc Contact	Approved

Tdoc	Title	Source	Decision
		Person	
RP-040324	CRs (Rel-5 and Rel-6 Category A) to TS 25.433 on Clarification on the FPACH configuration for 1.28Mcps TDD	RAN WG3	Approved
RP-040325	CRs to 25.993 (Rel-6) affecting earlier versions	RAN WG2	Approved
RP-040326	CRs to 25.307 R'99 with linked CRs to Rel-4, Rel-5&Rel-6	RAN WG2	Approved
RP-040327	CRs to 25.331 R'99 with linked CRs to Rel-4, Rel-5&Rel-6	RAN WG2	Approved
RP-040328	Virtual Active Set: CRs to 25.331 R'99 with linked CRs to Rel-4, Rel-5&Rel-6 and 25.331 Rel-5&Rel-6	RAN WG2	Approved
RP-040329	CRs to 34.109 R'99 with linked CRs to Rel-4, Rel-5&Rel-6	RAN WG2	Approved
RP-040330	CRs to 25.331 Rel-4 with linked CRs to Rel-5&Rel-6	RAN WG2	Revised in 360
RP-040331	Removal of the DCCH mapping on HS-DSCH: CRs on 25.301, 25.308, 25.331 (Rel-5, Rel-6)	RAN WG2	Revised in 369
RP-040332	CR to 25.304 Rel-5 with linked Rel-6	RAN WG2	Approved
RP-040333	CR to 25.308 Rel-5 with linked Rel-6	RAN WG2	Withdrawn
RP-040334	CRs to 25.331 Rel-5 (1) with linked Rel-6	RAN WG2	Approved
RP-040335	CRs to 25.331 Rel-5 (2) with linked Rel-6	RAN WG2	Approved
RP-040336	CRs to 25.331 Rel-5 (3) with linked Rel-6	RAN WG2	Approved
RP-040337	CR to 34.109 Rel-5	RAN WG2	Approved
RP-040338	CR to 25.303 Rel-6	RAN WG2	Approved
RP-040339	CR to 25.331 Rel-6 on correction to the UMTS850 (Band V) tabular	RAN WG2	Approved
RP-040340	CRs to 25.346 Rel-6	RAN WG2	Approved
RP-040341	TS 25.171 Requirements for support of A-GPS (FDD) v1.0.0	RAN WG4	Approved
RP-040342	Proposed Work Item on 7.68 Mcps TDD Option	IPWireless	Revised in 365
RP-040343	Request for WI 8.1.1 continuation	Mitsubishi	Not approved
RP-040344	TS 25.461: UTRAN Iuant Interface: Layer 1	RAN WG3	Approved
RP-040345	TS 25.462: UTRAN Iuant Interface: Signalling transport	RAN WG3	Approved
RP-040346	TS 25.463: UTRAN Iuant Interface: RETAP signalling	RAN WG3	Approved
RP-040347	Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	TruePosition	Revised in 387
RP-040348	Continuation of HS-DSCH reception in handover failure cases	Samsung, Ericsson, Nokia, Nortel, Panasonic	Approved
RP-040349	Proposed Work Item for HS-DPCCH ACK/NACK enhancement	Nokia, Philips	Revised in 390
RP-040350	CRs to lists of specs	3GPP Support	Withdrawn
RP-040351	CR to 21.900	3GPP Support	Noted
RP-040352	Specs per Release; a comparison	3GPP Support	Noted
RP-040353	status list before	3GPP Support	Noted
RP-040354	revised WID form	3GPP Support	Noted
RP-040355	Addition of ANSI lower layer protocols to Iu related interfaces	T1P1	Noted
RP-040356	LS on Adding ANSI protocols to 3GPP Iu lower layer specifications	TSG RAN WG3	Noted
RP-040357	Reply LS on the material to be submitted to ITU-R WP8F#14 for Revision 5 of Recommendation ITU-R M.1457	TSG RAN WG4	Noted
RP-040358	TS 25.309, Enhanced uplink UTRA FDD; Stage 2, v1.0.0	RAN WG2	Approved
RP-040359	List of CRs from RAN WG2	RAN WG2	Noted

Tdoc	Title	Source	Decision
RP-040360	CRs to 25.331 Rel-4 with linked CRs to Rel-5&Rel-6	RAN WG2	Approved
RP-040361	TR25.895 v2.0.0: Analysis of higher chip rates for UTRA TDD evolution (Release 6)	IPWireless	Approved
RP-040362	CR1037 to 25.433 Rel-4, Clarification on the FPACH configuration for 1.28Mcps TDD	Siemens, CATT, CCSA	Approved
RP-040363	Status Report for WI Optimisation of channelisation code utilisation for TDD	IPWireless	Noted
RP-040364	Status Report for RAN#25	ITU-R Ad Hoc Contact Person	Noted
RP-040365	Proposed Work Item on 7.68 Mcps TDD Option	IPWireless	Approved
RP-040366	LS on Satellite component of UMTS/IMT-2000 regarding recent developments on a W-CDMA Radio Interface and proposal for compatibility studies.	ETSI SES/SUMTS	Noted
RP-040367	CRs228, 229 to TS25.104 & CRs353, 354 to TS25.141 on Regional Requirement on HSDPA	ARIB	Approved
RP-040368	Scope of RAN WGs and T1 for HSDPA tests	NTT DoCoMo	Noted
RP-040369	Removal of the DCCH mapping on HS-DSCH: CRs on 25.301, 25.308, 25.331 (Rel-5, Rel-6)	RAN WG2	Approved
RP-040370	Proposed WI: MBMS performance requirements	Vodafone UK	Approved
RP-040371	UMTS in the 900 MHz band	ECC WG FM	Noted
RP-040372	Alternative transmitter performance metric	Motorola, Panasonic, Nokia, Qualcomm	Noted
RP-040373	CR342r3 to 25.101,UE maximum output power with HS-DPCCH	Ericsson	Not approved
RP-040374	Improvements of HSDPA performance requirements for 10 code Ues	Nokia	Noted
RP-040375	New WT proposal: Improved performance requirements for HSDPA categories 7 & 8	Nokia	Approved
RP-040376	Modification of schedule for improved receiver performance requirement for HSDPA WI	Nokia	Approved
RP-040377	WI proposal for UMTS2600	Nokia	Approved
RP-040378	Proposed Final Submission toward Rev 5 of M.1457	ITU-R Ad Hoc	Approved
RP-040379	Proposed update of Section 5.1.1	ITU-R Ad Hoc	Approved
RP-040380	Proposed update of Section 5.1.2	ITU-R Ad Hoc	Approved
RP-040381	Proposed update of Section 5.3.1	ITU-R Ad Hoc	Approved
RP-040382	Proposed update of Section 5.3.2	ITU-R Ad Hoc	Approved
RP-040383	~~Draft~~ Reminder for the OPs on the compliance with ITU-R procedures as it relates to Revision 5 of Recommendation ITU-R M.1457	ITU-R Ad Hoc	Approved
RP-040384	UE output power for HSDPA only terminals, CR365 to 25.101	Ericsson	Approved
RP-040385	Draft Scope and Agenda for the RAN long term evolution	Chairman	Approved
RP-040386	Revision of 3GPP Work Plan Rel-6	3GPP Support	Noted
RP-040387	Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	TruePosition	Approved
RP-040388	Testing of Rel99 features	3GPP Support	Noted
RP-040389	3GPP Work Plan	3GPP Support	Noted
RP-040390	Proposed Work Item for HS-DPCCH ACK/NACK enhancement	Nokia, Philips	Approved
RP-040391	Guidance on the use of WI codes (acronyms) for CRs	3GPP Support	Noted
RP-040392	LS to TSG-RAN on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457 (reply to RP-040321 / TP-040192)	TSG T	Noted
RP-040393	LS to ECC WG FM on UMTS in the 900 MHz band	Chairman	email approval
RP-040394	CEPT bandplan for IMT-2000 in the 2500-2600 MHz band	ECC PT1	Noted

Annex C: List of CRs presented at TSG RAN #25

The table below lists all the CRs presented at RAN#25, regardless of their final status.

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.101	342	2	Rel-6	6.4.0	A	RP-040291	Approved	UE maximum output power with HS-DPCCH	HSDPA-RF	R4	R4-040532
25.101	344	3	Rel-6	6.4.0	F	RP-040291	Approved	Correction of maximum allowed power and range in TFC selection with HS-DPCCH and other clarifications	HSDPA-RF	R4	R4-040531
25.101	346	1	Rel-6	6.4.0	F	RP-040292	Approved	Correction in the Band V (850MHz) additional frequency channel - UARFCN	RInImp-UMTS850	R4	R4-040408
25.101	352		Rel-6	6.4.0	F	RP-040288	Approved	Clarification of test parameter of reliable TPC command combining	TEI6	R4	R4-040459
25.101	353		Rel-6	6.4.0	F	RP-040292	Approved	Frequency range correction of out-of-band blocking for Band IV	RInImp-UMTS1721	R4	R4-040466
25.101	354	1	Rel-6	6.4.0	F	RP-040288	Approved	UE maximum input level for HS-PDSCH	TEI6, HSDPA-RF	R4	R4-040520
25.101	358		Rel-6	6.4.0	F	RP-040288	Approved	Clarification to change of TFC and compressed mode time mask diagrams	TEI6	R4	R4-040512
25.101	360		Rel-5	5.11.0	F	RP-040284	Approved	Clarification of HS-DSCH level	HSDPA-RF	R4	R4-040526
25.101	361		Rel-6	6.4.0	A	RP-040284	Approved	Clarification of HS-DSCH level	HSDPA-RF	R4	R4-040527
25.101	362	1	Rel-5	5.11.0	F	RP-040284	Approved	Correction to OCNS code allocation for HSDPA testing	HSDPA-RF	R4	R4-040569
25.101	363	1	Rel-6	6.4.0	A	RP-040284	Approved	Correction to OCNS code allocation for HSDPA testing	HSDPA-RF	R4	R4-040570
25.101	364	1	Rel-6	6.4.0	B	RP-040287	Approved	Specification of enhanced performance requirements for HSDPA based on receiver diversity	RInImp-HSPerf-RxDiv	R4	R4-040572
25.101	365		Rel-6	6.4.0	B	RP-040384	Approved	UE maximum output power for HSDPA-only terminal	EDCH-RF	R4	
25.104	227	1	Rel-6	6.6.0	F	RP-040292	Approved	Correction in the Band V (850MHz) additional frequency channel - UARFCN	RInImp-UMTS850	R4	R4-040409
25.104	228	-	Rel-5	5.8.0	D	RP-040367	Approved	Regional Requirement on HSDPA	HSDPA-RF	R4	
25.104	229	-	Rel-6	6.6.0	A	RP-040367	Approved	Regional Requirement on HSDPA	HSDPA-RF	R4	
25.106	036		Rel-6	6.1.0	F	RP-040289	Approved	Spurious emissions: Redrafting of tables for co-existence	RInImp-REP	R4	R4-040422
25.123	344		Rel-5	5.9.0	F	RP-040285	Approved	Correction to UTRA Carrier RSSI measurement and other corrections in test cases	LCRTDD-RF	R4	R4-040404
25.123	345		Rel-6	6.2.0	A	RP-040285	Approved	Correction to UTRA Carrier RSSI measurement	LCRTDD-RF	R4	R4-040405

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								and other corrections in test cases			
25.123	346	1	Rel-6	6.2.0	F	RP-040290	Approved	Correction to measurement performance units in section 9	LCRTDD-RF	R4	R4-040551
25.123	347		Rel-6	6.2.0	F	RP-040290	Approved	Correction of inconsistency between 25.123 and 25.331	LCRTDD-RF	R4	R4-040407
25.133	661	3	Rel-6	6.6.0	A	RP-040291	Approved	Clarification of HS-DPCCH in Transport format combination selection requirements	HSDPA-RF	R4	R4-040533
25.133	676		R99	3.18.0	F	RP-040283	Approved	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	TEI	R4	R4-040390
25.133	677		Rel-4	4.12.0	A	RP-040283	Approved	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	TEI	R4	R4-040391
25.133	678		Rel-5	5.11.0	A	RP-040283	Approved	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	TEI	R4	R4-040392
25.133	679		Rel-6	6.6.0	A	RP-040283	Approved	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	TEI	R4	R4-040393
25.133	680		Rel-6	6.6.0	F	RP-040288	Approved	Correction to FDD inter frequency fading test case	TEI6	R4	R4-040429
25.133	681	1	Rel-6	6.6.0	F	RP-040288	Approved	Additional scenarios for cell reselection test requirements	TEI6	R4	R4-040547
25.133	682		R99	3.18.0	F	RP-040283	Approved	Removal of Cell_FACH requirements for GSM observed time difference measurement	TEI	R4	R4-040441
25.133	683		Rel-4	4.12.0	A	RP-040283	Approved	Removal of Cell_FACH requirements for GSM observed time difference measurement	TEI	R4	R4-040442
25.133	684		Rel-5	5.11.0	A	RP-040283	Approved	Removal of Cell_FACH requirements for GSM observed time difference measurement	TEI	R4	R4-040443
25.133	685		Rel-6	6.6.0	A	RP-040283	Approved	Removal of Cell_FACH requirements for GSM observed time difference measurement	TEI	R4	R4-040444
25.133	687	2	Rel-6	6.6.0	F	RP-040288	Approved	RX-TX timing test modified to use soft handover, delay range for RX-TX timing test specified	TEI6	R4	R4-040557
25.133	688	1	Rel-5	5.11.0	F	RP-040286	Approved	Removal of square brackets from requirements for number of reporting criteria for traffic volume measurements in cell_FACH state	TEI5	R4	R4-040552
25.133	689	1	Rel-6	6.6.0	A	RP-040286	Approved	Removal of square brackets from requirements for number of reporting criteria for traffic volume measurements in cell_FACH state	TEI5	R4	R4-040553
25.133	690		R99	3.18.0	F	RP-040283	Approved	Change of test parameter for event triggered reporting with event 1B	TEI	R4	R4-040455
25.133	691	1	Rel-5	5.11.0	F	RP-040286	Approved	FDD/FDD Hard Handover test case clarification	TEI5	R4	R4-040561
25.133	692	1	Rel-6	6.6.0	A	RP-040286	Approved	FDD/FDD Hard Handover test case clarification	TEI5	R4	R4-040562
25.141	351	1	Rel-6	6.6.0	F	RP-040292	Approved	Correction in the Band V (850MHz) additional frequency channel - UARFCN	RInImp-UMTS850	R4	R4-040410

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.141	353	-	Rel-5	5.8.0	D	RP-040367	Approved	Regional Requirement on HSDPA	HSDPA-RF	R4	
25.141	354	-	Rel-6	6.6.0	A	RP-040367	Approved	Regional Requirement on HSDPA	HSDPA-RF	R4	
25.143	047		Rel-6	6.1.0	F	RP-040289	Approved	Spurious emissions: Redrafting of tables for co-existence	RInImp-REP	R4	R4-040423
25.211	191	-	Rel-5	5.5.0	F	RP-040317	Approved	Correction for the slot range of DL DPCCH power control preamble for CPCH		R1	R1-040874
25.211	192	-	Rel-6	6.1.0	A	RP-040317	Approved	Correction for the slot range of DL DPCCH power control preamble for CPCH		R1	R1-040874
25.214	35249	1	Rel-6	6.2.0	A	RP-040318	RejectedApproved	Clarification of SSDT uplink only signalling	RInImp-DSCHsho	R1	R1-041019
25.214	3530	-	Rel-5	5.9.0	F	RP-040318	ApprovedRejected	Clarification of SSDT uplink only signalling	RInImp-DSCHsho	R1	R1-041019
25.222	122	1	Rel-4	4.7.0	F	RP-040315	Approved	Correction of symbol Xi defined in sub-frame segmentation step	TEI 4	R1	R1-041017
25.222	123	1	Rel-5	5.6.0	A	RP-040315	Approved	Correction of symbol Xi defined in sub-frame segmentation step	TEI 4	R1	R1-041017
25.222	124	1	Rel-6	6.0.0	A	RP-040315	Approved	Correction of symbol Xi defined in sub-frame segmentation step	TEI 4	R1	R1-041017
25.224	132	-	Rel-4	4.10.0	F	RP-040316	Approved	Transmit diversity usage for beacon channels in LCR TDD	TEI 4	R1	R1-040883
25.224	133	-	Rel-5	5.7.0	A	RP-040316	Approved	Transmit diversity usage for beacon channels in LCR TDD	TEI 4	R1	R1-040883
25.224	134	-	Rel-6	6.1.0	A	RP-040316	Approved	Transmit diversity usage for beacon channels in LCR TDD	TEI 4	R1	R1-040883
25.224	135	1	Rel-4	4.10.0	F	RP-040319	Approved	Corrections of radio access procedure for 1.28Mcps TDD	LCRTDD-Phys	R1	R1-041018
25.224	136	1	Rel-5	5.7.0	A	RP-040319	Approved	Corrections of radio access procedure for 1.28Mcps TDD	LCRTDD-Phys	R1	R1-041018
25.224	137	1	Rel-6	6.1.0	A	RP-040319	Approved	Corrections of radio access procedure for 1.28Mcps TDD	LCRTDD-Phys	R1	R1-041018
25.301	070	-	Rel-5	5.2.0	F	RP-040331	Revised	Removal of DCCH mapping on HS-DSCH	HSDPA-L23	R2	R2-041884
25.301	070	1	Rel-5	5.2.0	F	RP-040369	Approved	Removal of DCCH mapping on HS-DSCH	HSDPA-L23	R2	
25.303	074	-	Rel-6	6.0.0	F	RP-040338	Approved	Clarification to SRNS Relocation	TEI6	R2	R2-041903
25.304	118	-	Rel-5	5.5.0	F	RP-040332	Approved	HCS measurement rules & high-mobility	TEI5	R2	R2-041880
25.304	119	-	Rel-6	6.2.0	A	RP-040332	Approved	HCS measurement rules & high-mobility	TEI5	R2	R2-041881
25.307	028	-	R99	3.3.0	F	RP-040326	Approved	Correction to applicable TS25.101 clauses/section for release independent operation	TEI	R2	R2-041852
25.307	029	-	Rel-4	4.3.0	F	RP-040326	Approved	Correction to applicable TS25.101 clauses/section for release independent	TEI	R2	R2-041853

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								operation			
25.307	030	-	Rel-5	5.2.0	F	RP-040326	Approved	Correction to applicable TS25.101 clauses/section for release independent operation	TEI	R2	R2-041854
25.308	009	-	Rel-5	5.5.0	F	RP-040331	Revised	Application of HS-DSCH to signalling radio bearers, correction to MAC-hs entity and correction to a response message from UE	HSDPA-L23	R2	R2-041882
25.308	009	1	Rel-5	5.5.0	F	RP-040369	Approved	Application of HS-DSCH to signalling radio bearers, correction to MAC-hs entity and correction to a response message from UE	HSDPA-L23	R2	
25.308	010	1	Rel-6	6.1.0	F	RP-040369	Approved	Correction to MAC-hs entity and correction to a response message from UE	HSDPA-L23	R2	
25.308	010	1	Rel-6	6.1.0	F	RP-040331	Withdrawn	Correction to MAC-hs entity and correction to a response message from UE	HSDPA-L23	R2	R2-041912
25.331	2368	1	R99	3.19.0	F	RP-040328	Approved	Restrict operation of the virtual active set	TEI	R2	R2-041822
25.331	2369	1	Rel-4	4.14.0	A	RP-040328	Approved	Restrict operation of the virtual active set	TEI	R2	R2-041822
25.331	2370	-	R99	3.19.0	F	RP-040327	Approved	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	TEI	R2	R2-041740
25.331	2371	-	Rel-4	4.14.0	A	RP-040327	Approved	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	TEI	R2	R2-041741
25.331	2372	-	Rel-5	5.9.0	A	RP-040327	Approved	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	TEI	R2	R2-041742
25.331	2373	-	Rel-6	6.2.0	A	RP-040327	Approved	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	TEI	R2	R2-041743
25.331	2374	-	R99	3.19.0	F	RP-040327	Approved	Definition of parameters for UE-assisted A-GPS	TEI	R2	R2-041744
25.331	2375	-	Rel-4	4.14.0	A	RP-040327	Approved	Definition of parameters for UE-assisted A-GPS	TEI	R2	R2-041745
25.331	2376	-	Rel-5	5.9.0	A	RP-040327	Approved	Definition of parameters for UE-assisted A-GPS	TEI	R2	R2-041746
25.331	2377	-	Rel-6	6.2.0	A	RP-040327	Approved	Definition of parameters for UE-assisted A-GPS	TEI	R2	R2-041747
25.331	2378	2	Rel-6	6.2.0	F	RP-040339	Approved	Addition of UMTS850 (Band V) in the tabular	RinImp-UMTS850	R2	R2-041878
25.331	2379	-	Rel-4	4.14.0	F	RP-040360	Approved	Default Configurations for multiple AMR Rate Configurations	TEI4	R2	R2-041761
25.331	2380	-	Rel-5	5.9.0	A	RP-040360	Approved	Default Configurations for multiple AMR Rate	TEI4	R2	R2-041762

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								Configurations			
25.331	2381	-	Rel-6	6.2.0	A	RP-040360	Approved	Default Configurations for multiple AMR Rate Configurations	TEI4	R2	R2-041763
25.331	2382	-	Rel-4	4.14.0	F	RP-040319	Approved	Correction on PRACH selection in 1.28Mcps TDD	LCRTDD-L23	R2	R2-041764
25.331	2383	-	Rel-5	5.9.0	A	RP-040319	Approved	Correction on PRACH selection in 1.28Mcps TDD	LCRTDD-L23	R2	R2-041765
25.331	2384	-	Rel-6	6.2.0	A	RP-040319	Approved	Correction on PRACH selection in 1.28Mcps TDD	LCRTDD-L23	R2	R2-041766
25.331	2385	-	Rel-5	5.9.0	F	RP-040334	Approved	Inconsistency in UE action for HFN initialisation	TEI5	R2	R2-041773
25.331	2386	-	Rel-6	6.2.0	F	RP-040334	Approved	Inconsistency in UE action for HFN initialisation	TEI6	R2	R2-041774
25.331	2387	-	Rel-5	5.9.0	F	RP-040334	Approved	Usage of different RB mapping info for TDD	TEI5	R2	R2-041779
25.331	2388	-	Rel-6	6.2.0	A	RP-040334	Approved	Usage of different RB mapping info for TDD	TEI5	R2	R2-041780
25.331	2389	-	Rel-5	5.9.0	F	RP-040334	Approved	TDD HS-DSCH Corrections	HSDPA-L23	R2	R2-041781
25.331	2390	-	Rel-6	6.2.0	A	RP-040334	Approved	TDD HS-DSCH Corrections	HSDPA-L23	R2	R2-041782
25.331	2391	-	Rel-5	5.9.0	F	RP-040334	Approved	Alignment of Tabular Definition with ASN.1 for HS-SCCH Info	HSDPA-L23	R2	R2-041783
25.331	2392	-	Rel-6	6.2.0	A	RP-040334	Approved	Alignment of Tabular Definition with ASN.1 for HS-SCCH Info	HSDPA-L23	R2	R2-041784
25.331	2393	-	Rel-5	5.9.0	F	RP-040334	Revised	Correction to HS-DSCH reception conditions	HSDPA-L23	R2	R2-041786
25.331	2393	1	Rel-5	5.9.0	F	RP-040348	Approved	Correction to HS-DSCH reception conditions	HSDPA-L23	R2	
25.331	2394	-	Rel-6	6.2.0	A	RP-040334	Revised	Correction to HS-DSCH reception conditions	HSDPA-L23	R2	R2-041787
25.331	2394	1	Rel-6	6.2.0	A	RP-040348	Approved	Correction to HS-DSCH reception conditions	HSDPA-L23	R2	
25.331	2395	-	Rel-5	5.9.0	F	RP-040334	Approved	Correction to RB mapping check	TEI5	R2	R2-041788
25.331	2396	-	Rel-6	6.2.0	A	RP-040334	Approved	Correction to RB mapping check	TEI5	R2	R2-041789
25.331	2397	-	Rel-5	5.9.0	F	RP-040334	Approved	Position Timestamp for A-GPS	TEI5	R2	R2-041790
25.331	2398	-	Rel-6	6.2.0	A	RP-040334	Approved	Position Timestamp for A-GPS	TEI5	R2	R2-041791
25.331	2399	-	Rel-5	5.9.0	F	RP-040334	Approved	Pending compressed mode reconfigurations	TEI5	R2	R2-041792
25.331	2400	-	Rel-6	6.2.0	A	RP-040334	Approved	Pending compressed mode reconfigurations	TEI5	R2	R2-041793
25.331	2401	-	Rel-5	5.9.0	F	RP-040335	Approved	Predefined configurations for the RRC connection request	TEI5	R2	R2-041794
25.331	2402	-	Rel-6	6.2.0	A	RP-040335	Approved	Predefined configurations for the RRC connection request	TEI5	R2	R2-041795
25.331	2403	-	Rel-5	5.9.0	F	RP-040335	Approved	Cell update during reconfiguration from CELL_FACH to CELL_PCH	TEI5	R2	R2-041796
25.331	2404	-	Rel-6	6.2.0	A	RP-040335	Approved	Cell update during reconfiguration from CELL_FACH to CELL_PCH	TEI5	R2	R2-041797
25.331	2405	-	Rel-5	5.9.0	F	RP-040335	Approved	UE actions for Delta_ACK/NACK and repetition factor	HSDPA-L23	R2	R2-041799
25.331	2406	-	Rel-6	6.2.0	A	RP-040335	Approved	UE actions for Delta_ACK/NACK and repetition factor	HSDPA-L23	R2	R2-041800
25.331	2407	-	Rel-5	5.9.0	F	RP-040335	Approved	Calculation of UL transmit power for HS-SICH	HSDPA-L23	R2	R2-041801

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								(TDD)			
25.331	2408	-	Rel-6	6.2.0	A	RP-040335	Approved	Calculation of UL transmit power for HS-SICH (TDD)	HSDPA-L23	R2	R2-041802
25.331	2409	-	Rel-5	5.9.0	F	RP-040335	Approved	Handling of Timer T302 Expiry	TEI5	R2	R2-041804
25.331	2410	-	Rel-6	6.2.0	A	RP-040335	Approved	Handling of Timer T302 Expiry	TEI5	R2	R2-041805
25.331	2411	-	Rel-5	5.9.0	F	RP-040335	Approved	Correct naming for HS-DSCH with DCH multiplexing option	HSDPA-L23	R2	R2-041808
25.331	2412	-	Rel-6	6.2.0	A	RP-040335	Approved	Correct naming for HS-DSCH with DCH multiplexing option	HSDPA-L23	R2	R2-041809
25.331	2413	-	Rel-5	5.9.0	F	RP-040335	Approved	Compressed Pre-defined configurations description in new Annex C	TEI5	R2	R2-041814
25.331	2414	-	Rel-6	6.2.0	A	RP-040335	Approved	Compressed Pre-defined configurations description in new Annex C	TEI5	R2	R2-041815
25.331	2415	-	Rel-5	5.9.0	F	RP-040335	Approved	Interaction between integrity protection and the sending of downlink messages during SRNS relocation	TEI5	R2	R2-041833
25.331	2416	-	Rel-6	6.2.0	A	RP-040335	Approved	Interaction between integrity protection and the sending of downlink messages during SRNS relocation	TEI5	R2	R2-041834
25.331	2417	-	Rel-5	5.9.0	F	RP-040328	Approved	Corrections to restrictions of operation of the virtual active set	TEI5	R2	R2-041835
25.331	2418	-	Rel-6	6.2.0	A	RP-040328	Approved	Corrections to restrictions of operation of the virtual active set	TEI5	R2	R2-041836
25.331	2419	-	Rel-5	5.9.0	F	RP-040336	Approved	UE actions for received new keys	TEI5	R2	R2-041837
25.331	2420	-	Rel-6	6.2.0	A	RP-040336	Approved	UE actions for received new keys	TEI5	R2	R2-041838
25.331	2421	1	Rel-5	5.9.0	F	RP-040336	Approved	Scrambling Code Change	TEI5	R2	R2-041892
25.331	2422	1	Rel-6	6.2.0	A	RP-040336	Approved	Scrambling Code Change	TEI5	R2	R2-041893
25.331	2423	-	Rel-4	4.14.0	F	RP-040360	Approved	Correction on SIB12 validity	TEI4	R2	R2-041879
25.331	2424	-	Rel-5	5.9.0	F	RP-040331	Revised	Removal of SRB mapping on HS-DSCH	HSDPA-L23	R2	R2-041885
25.331	2424	1	Rel-5	5.9.0	F	RP-040369	Approved	Removal of SRB mapping on HS-DSCH	HSDPA-L23	R2	
25.331	2427	-	Rel-5	5.9.0	F	RP-040328	Approved	Clarifications to VAS functionality	TEI5	R2	R2-041888
25.331	2428	-	Rel-6	6.2.0	A	RP-040328	Approved	Clarifications to VAS functionality	TEI5	R2	R2-041889
25.331	2429	-	Rel-5	5.9.0	F	RP-040336	Approved	UE security capability in INTER_RAT handover	TEI5	R2	R2-041890
25.331	2430	-	Rel-6	6.2.0	A	RP-040336	Approved	UE security capability in INTER_RAT handover	TEI5	R2	R2-041891
25.331	2431	-	Rel-5	5.9.0	F	RP-040336	Approved	Correction to the Radio Link Failure behaviour	TEI5	R2	R2-041894
25.331	2432	-	Rel-6	6.2.0	A	RP-040336	Approved	Correction to the Radio Link Failure behaviour	TEI5	R2	R2-041895
25.346	003	-	Rel-6	6.1.0	F	RP-040340	Approved	Introduction of MBMS Change Information and Removal of usage of the secondary notification indicators	MBMS-RAN	R2	R2-041904

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.346	004	-	Rel-6	6.1.0	F	RP-040340	Approved	Clarifications to Frequency Layer Convergence and UE behaviour at return on Service	MBMS-RAN	R2	R2-041905
25.346	005	-	Rel-6	6.1.0	F	RP-040340	Approved	Iur Linking for URA_PCH UEs and MBMS Session Start Request corrections for TS25.346 from RAN3#43	MBMS-RAN	R2	R2-041906
25.401	087	1	Rel-6	6.3.0	B	RP-040303	Approved	Introduction of Iuant into UTRAN architecture for control of RET Antennas	RANimp-TiltAnt	R3	R3-041188
25.401	090		Rel-5	5.8.0	F	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041108
25.401	091		Rel-6	6.3.0	A	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041109
25.411	014		Rel-5	5.0.0	F	RP-040296	Approved	Correction of optical interfaces	TEI5	R3	R3-041088
25.411	015		Rel-6	6.0.0	A	RP-040296	Approved	Correction of optical interfaces	TEI5	R3	R3-041089
25.413	680	4	Rel-5	5.9.0	F	RP-040298	Approved	Addition of Relocation Failure cause code to match GERAN cause code	RANimp-ImpRRM	R3	R3-041236
25.413	681	4	Rel-6	6.2.0	A	RP-040298	Approved	Addition of Relocation Failure cause code to match GERAN cause code	RANimp-ImpRRM	R3	R3-041237
25.413	691	4	Rel-5	5.9.0	F	RP-040299	Approved	Data Volume Reporting Correction	TEI5	R3	R3-041244
25.413	692	3	Rel-6	6.2.0	A	RP-040299	Approved	Data Volume Reporting Correction	TEI5	R3	R3-041228
25.413	695	2	Rel-5	5.9.0	F	RP-040299	Approved	Service Handover Timing and Priority	TEI5	R3	R3-041209
25.413	696	2	Rel-6	6.2.0	A	RP-040299	Approved	Service Handover Timing and Priority	TEI5	R3	R3-041210
25.413	699	1	Rel-5	5.9.0	F	RP-040299	Approved	presence of ciphering key in the RANAP container	TEI5	R3	R3-041219
25.413	700	1	Rel-6	6.2.0	A	RP-040299	Approved	presence of ciphering key in the RANAP container	TEI5	R3	R3-041220
25.414	082		Rel-5	5.6.0	F	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041110
25.414	083		Rel-6	6.1.0	A	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041111
25.414	084		Rel-6	6.1.0	F	RP-040297	Approved	Correction of implementation of IP ALCAP CR081	ETRAN-iptrans	R3	R3-041114
25.415	119		Rel-5	5.3.0	F	RP-040296	Approved	Clarification of padding after odd number of IPTIs	TEI5	R3	R3-041106
25.415	120		Rel-6	6.0.0	A	RP-040296	Approved	Clarification of padding after odd number of IPTIs	TEI5	R3	R3-041107
25.423	985	1	Rel-6	6.2.0	F	RP-040307	Approved	Correction of Trace reference in Deactivate trace	OAM-Trace-RAN	R3	R3-041221
25.423	988		Rel-5	5.10.0	F	RP-040302	Approved	Correction to tabular text associated with TDD DPCH Offset IE	TEI5	R3	R3-041137
25.423	989		Rel-6	6.2.0	A	RP-040302	Approved	Correction to tabular text associated with TDD DPCH Offset IE	TEI5	R3	R3-041138
25.423	994	1	Rel-5	5.10.0	F	RP-040300	Approved	Traffic Class IE in RNSAP	TEI5	R3	R3-041224
25.423	995	1	Rel-6	6.2.0	A	RP-040300	Approved	Traffic Class IE in RNSAP	TEI5	R3	R3-041225
25.426	043		Rel-5	5.5.0	F	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041112
25.426	044		Rel-6	6.2.0	A	RP-040297	Approved	Terminology correction of IP ALCAP CR	ETRAN-iptrans	R3	R3-041113
25.430	054		Rel-5	5.3.0	F	RP-040296	Approved	Clarification on the Uplink Power Control for 1.28Mcps TDD	TEI5	R3	R3-041146
25.430	055		Rel-6	6.1.0	A	RP-040296	Approved	Clarification on the Uplink Power Control for 1.28Mcps TDD	TEI5	R3	R3-041147

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
25.433	1013		Rel-5	5.9.0	F	RP-040301	Approved	Use of Communication Context id in NBAP reset	TEI5	R3	R3-041018
25.433	1014		Rel-6	6.2.0	A	RP-040301	Approved	Use of Communication Context id in NBAP reset	TEI5	R3	R3-041019
25.433	1017	2	Rel-4	4.12.0	F	RP-040295	Approved	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	TEI4	R3	R3-041213
25.433	1018	2	Rel-5	5.9.0	A	RP-040295	Approved	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	TEI4	R3	R3-041214
25.433	1019	2	Rel-6	6.2.0	A	RP-040295	Approved	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	TEI4	R3	R3-041215
25.433	1020		Rel-5	5.9.0	F	RP-040301	Approved	Re-wording of the Intra-Node B Serving HS-DSCH Radio Link Change in the Prepared Radio Link Reconfiguration procedure	HSDPA-Iublur	R3	R3-041071
25.433	1021		Rel-6	6.2.0	A	RP-040301	Approved	Re-wording of the Intra-Node B Serving HS-DSCH Radio Link Change in the Prepared Radio Link Reconfiguration procedure	HSDPA-Iublur	R3	R3-041072
25.433	1024		Rel-5	5.9.0	F	RP-040302	Approved	Correction to tabular text associated with TDD DPCH Offset IE	TEI5	R3	R3-041135
25.433	1025		Rel-6	6.2.0	A	RP-040302	Approved	Correction to tabular text associated with TDD DPCH Offset IE	TEI5	R3	R3-041136
25.433	1027		Rel-4	4.12.0	F	RP-040295	Approved	Review on NBAP	TEI4	R3	R3-041148
25.433	1028		Rel-5	5.9.0	A	RP-040295	Approved	Review on NBAP	TEI4	R3	R3-041149
25.433	1029		Rel-6	6.2.0	A	RP-040295	Approved	Review on NBAP	TEI4	R3	R3-041150
25.433	1031		Rel-5	5.9.0	A	RP-040324	Approved	Clarification on the FPACH configuration for 1.28Mcps TDD	TEI4	R3	R3-041153
25.433	1032		Rel-6	6.2.0	A	RP-040324	Approved	Clarification on the FPACH configuration for 1.28Mcps TDD	TEI4	R3	R3-041154
25.433	1035		Rel-5	5.9.0	F	RP-040301	Approved	Correction HSDPA Ies	HSDPA-Iublur	R3	R3-041180
25.433	1036		Rel-6	6.2.0	A	RP-040301	Approved	Correction for HSDPA Ies	HSDPA-Iublur	R3	R3-041181
25.433	1037	-	Rel-4	4.12.0	F	RP-040362	Approved	Clarification on the FPACH configuration for 1.28Mcps TDD	TEI4	R3	
25.453	074	1	Rel-6	6.5.0	B	RP-040306	Approved	Introduction of the requested accuracy and an indication of achieved accuracy in Position Calculation procedure over Iupc interface	TEI6	R3	R3-041218
25.899	001	1	Rel-6	6.0.0	F	RP-040320	Approved	Implementation Complexity of ACK/NACK performance improvement	RInImp-RIperf	R1	R1-041056
25.899	002	-	Rel-6	6.0.0	F	RP-040320	Approved	Effect of PRE/POST scheme on HSDPA cell coverage	RInImp-RIperf	R1	R1-041055
25.901	001		Rel-6	6.0.0	D	RP-040307	Approved	Tidy Up CR for TR 25.901 (NACC)	RANimp-NACC	R3	R3-041032
25.993	028	-	Rel-6	6.6.0	F	RP-040325	Approved	Physical layer multiplexing configuration in case of AMR and two PS RABs with zero bit rates	TEI6	R2	R2-041749
25.993	029	-	Rel-6	6.6.0	F	RP-040325	Approved	Physical layer multiplexing configuration in case	TEI6	R2	R2-041750

Spec	CR	R	Phase	Curr Ver	Cat	Doc 1st-Level	Status 1st-Level	Subject	Work Item	WG	Doc 2nd-Level
								of two PS RABs			
25.993	030	-	Rel-6	6.6.0	F	RP-040325	Approved	Correction of RAB configuration in 1.28Mcps TDD	TEI6	R2	R2-041767
25.993	032	-	Rel-6	6.6.0	F	RP-040325	Approved	Conversational PS RAB for HS-DSCH	TEI6	R2	R2-041896
34.109	026	-	R99	3.9.0	F	RP-040329	Approved	Correction to figure 5.3.2.6.2.2	TEI	R2	R2-041752
34.109	027	-	R99	3.9.0	F	RP-040329	Approved	UE test loop mode with PDCP configuration	TEI	R2	R2-041753
34.109	028	-	Rel-4	4.5.0	A	RP-040329	Approved	UE test loop mode with PDCP configuration	TEI	R2	R2-041754
34.109	029	-	Rel-5	5.3.0	A	RP-040329	Approved	UE test loop mode with PDCP configuration	TEI	R2	R2-041755
34.109	031	1	R99	3.9.0	F	RP-040329	Approved	Addition of RESET UE POSITIONING STORED INFORMATION message	TEI	R2	R2-041873
34.109	032	1	Rel-4	4.5.0	A	RP-040329	Approved	Addition of RESET UE POSITIONING STORED INFORMATION message	TEI	R2	R2-041874
34.109	033	1	Rel-5	5.3.0	A	RP-040329	Approved	Addition of RESET UE POSITIONING STORED INFORMATION message	TEI	R2	R2-041875
34.109	034	-	Rel-5	5.3.0	F	RP-040337	Approved	Increase of maximum number of loopback entities	HSDPA-L23	R2	R2-041813

Annex D: Summary of TSG RAN Work Items

Abbreviations used: %: Level of completion; WI: Work Item; SI: Study Item; Feat: Feature; BB: Building Block; FS: Feasibility Study; WT: Work Task

Active RAN Work Items and status after meeting #25.

Type	WI Name	WI Code	Leading WG	%	Finish Date	Status Report at RP#25	Remarks
Feat	**Improvements of Radio Interface**	RInImp	RP	80	15/06/2005		This is a generic feature without particular end date
BB	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	R1	50	15/09/2004	RP-040261	Closed without conclusion at RP#25
New BB	UMTS 2.6 GHz	RInImp-UMTS2600	R4	0	15/06/2005		WIDS: RP-040377
BB	Improved Receiver Performance Requirements for HSDPA	RInImp-HSPerf	R4		15/0~~6~~3/2005		WIDS modified in RP-040376
WT	Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	R4	55	15/03/2005	RP-040262	
New WT	Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8	RInImp-HSPerf-10code	R4	0	15/06/2005		WIDS: RP-040375
Feat	**RAN improvements**	RANimp	RP	55	15/12/2004		Generic feature
BB	RAB support enhancement	RANimp-RABSE	R2	11	15/12/2004	RP-040263	This is a building block without particular end date
WT	Optimisation of downlink channelisation code utilisation	RANimp-RABSE-CodeOptFDD	R1	5	15/12/2004	RP-040264	
WT	Optimisation of channelisation code utilisation for TDD	RANimp-RABSE-CodeOptTDD	R1	0	15/12/2004	RP-040363	
New WT	HS-DPCCH ACK/NACK Enhancement	RANimp-RABSE-ACKNACK	R1	0	15/12/2004		WIDS: RP-040390
BB	Remote Control of Electrical Tilting Antennas	RANimp-TiltAnt	R3	100	16/09/2004		Completed, SA5 work also finished
WT	Tilting Antenna - RAN aspects	RANimp-TiltAnt	R3	100	15/09/2004	RP-040266	Finished at RP#25

BB	UE positioning	LCS2-UEpos	RP	85	15/09/2004		
WT	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	R4	100	15/09/2004	RP-040267	Finished at RP#25
New WT	Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	LCS3-UEPos-UTDOA	R2	0	15/06/2006		WIDS: RP-040387
BB	Introduction of MBMS in RAN	MBMS-RAN	R2		15/12/2004	RP-040268	
WT	Introduction of MBMS in RAN (physical & upper layers, access network interfaces)	MBMS-RAN	R2	80	15/12/2004		Non RF aspects. Artificially created after RP#25 approved the WT for RF aspects. WIDS from the parent BB
New WT	UE Performance Requirements for MBMS	MBMS-RAN-RF	R4	0	15/06/2005		WIDS: RP-040370
Feat	**Evolutions of the transport in the UTRAN**	ETRAN	RP	0	31/12/2003		Generic feature
Feat	**Multiple Input Multiple Output antennas (MIMO)**	MIMO	R1	10	15/12/2005	RP-040269	
BB	MIMO - Physical layer	MIMO-Phys	R1	60	15/03/2005		
BB	MIMO - Layer 2,3 aspects	MIMO-L23	R2	0	15/12/2005		
BB	MIMO - Iub/Iur Protocol Aspects	MIMO-IurIub	R3	0	15/12/2005		
BB	MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	MIMO-RF	R4	5	15/12/2005		
BB	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANEnh	R2	85	15/12/2004	RP-040270	Completion date moved from September 2004
Feat	**FDD Enhanced Uplink**	EDCH	RP	6	15/06/2005	RP-040271	
BB	FDD Enhanced Uplink - Stage 2	EDCH-Stage2	R2	80	15/12/2004		Completion date moved from September 2004
BB	FDD Enhanced Uplink - Physical Layer	EDCH-Phys	R1	30	15/12/2004		
BB	FDD Enhanced Uplink - Layer 2 and 3 Protocol Aspects	EDCH-L23	R2	40	15/12/2004		
BB	FDD Enhanced Uplink - UTRAN Iub/Iur Protocol Aspects	EDCH-IurIub	R3	5	15/12/2004		
BB	FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	R4	10	15/06/2005		
New Feat	**7.68Mcps TDD option**	VHCRTDD	RP	0	15/03/2006		WIDS: RP-040365
BB	7.68Mcps TDD option: Stage 2	VHCRTDD-Stage2	R1	0	15/09/2005		WIDS: RP-040365
BB	7.68Mcps TDD option: Physical Layer	VHCRTDD-Phys	R1	0	15/09/2005		WIDS: RP-040365
BB	7.68Mcps TDD option: Layer 2 and layer 3 protocol aspects	VHCRTDD-L23	R2	0	15/09/2005		WIDS: RP-040365
BB	7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects	VHCRTDD-IurIub	R3	0	15/09/2005		WIDS: RP-040365

BB	7.68Mcps TDD option: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	VHCRTDD-RF	R4	0	15/03/2006		WIDS: RP-040365

Active RAN Study Items:

Type	SI Name	WI Code	Leading WG	%	Finish Date	Status Report at RP#25	Remarks
SI	FS on Radio link performance enhancements	RInImp-RIperf	R1	100	15/09/2004	RP-040272	Study completed at RP#25
SI	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	R1	100	15/09/2004	RP-040273	Study completed at RP#25
SI	FS on the evolution of the UTRAN architecture	RANimp-FSEvo	R3	35	15/03/2005	RP-04	Work stopped until completion of MBMS in RAN3
SI	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	R1	65	15/12/2004	RP-040274	

Rel-6 RAN Work Items finished before meeting #25.

Type	WI name
Generic Feat	**Rel-6 Improvements of Radio Interface**
BB	Base station classification
WT	FDD BS Classification
BB	Improving Receiver Performance Requirements for the FDD UE
BB	UMTS-850
BB	DS-CDMA introduction in the 800 MHz band
BB	UMTS 1.7/2.1 GHz
Generic Feat	**Location Services enhancements 2 (Rel-6)**
Generic BB	UE positioning
WT	Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods

Type	WI name
Generic Feat	**Rel-6 RAN improvements**
BB	Beamforming Enhancements
BB	Rel6 RRM optimization for Iur and Iub
WT	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)
BB	Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects
SA5 Feat	**Operations, Administration, Maintenance & Provisioning - OAM&P**
SA5 BB	Trace Management
WT	Subscriber and equipment trace in UTRAN

Annex E: Meeting schedule

TSG RAN meetings:

Meeting #	Date	Host	Location
26	08 - 10 December 2004	European Friends of 3GPP	Athens, Greece
27	09 - 11 March 2005		Tokyo, Japan
28	1 - 3 June 2005		Quebec, Canada
29	21 - 23 September 2005		Tallinn, Estonia
30	30 Nov. - 2 Dec. 2005		Europe (TBC)

Work Shop on "Long term evolution for the UMTS Radio", 2 - 3 November 2004, Toronto, hosted by Ericsson.

TSG RAN WG1 meetings:

Meeting #	Date	Host	Location
38bis	20 - 24 Sep 2004	Samsung	Seoul, Korea
39	15-19 November 2004	Japanese Friends of 3GPP	Shin Yokohama, Japan
40	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
40bis	4-8 April 2005		China (TBC)
41	09-13 May 2005		European Friends of 3GPP
42	29 Aug – 02 Sept 2005		European Friends of 3GPP
43	07-11 November 2005	TBD, Korea	Samsung

An additional WG1 meeting is also expected for 2005, dates and location to be decided

TSG RAN WG2 & WG3 meetings:

Meeting #	Date	Host	Location
44	4 - 8 October 2004	ETSI	Sophia Antipolis, France
45	15 - 19 November 2004	Japanese Friends of 3GPP	Shin Yokohama, Japan(TBC)
46	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
47	09-13 May 2005		European Friends of 3GPP
48	29 Aug – 02 Sept 2005		European Friends of 3GPP
49	07-11 November 2005	TBD, Korea	Samsung

RAN WG2 #45bis: 10-14 January 2005, Sophia-Antipolis.
RAN WG2 #46bis: 4-8 April 2005, China, hosted by Huawei.

TSG RAN WG4 meetings:

Meeting #	Date	Host	Location
33	15 - 19 November 2004	Japanese Friends of 3GPP	Shin Yokohama, Japan
34	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
35	09-13 May 2005		European Friends of 3GPP
36	29 Aug – 02 Sept 2005		European Friends of 3GPP
37	07-11 November 2005	TBD, Korea	Samsung

Annex F: List of actions

- RAN WG4 is tasked to forward ECC PT1 existing 3GPP documentation that could be use by PT1 in their work for spectrum arrangements in the 900 MHz and 1800 MHz bands (for the introduction of UMTS).

- RAN chairman to send RP-040313, RP-040314, RP-040378, RP-040379, RP-040380, RP-040381, RP-040382 & RP-040383 to 3GPP PCG for approval (sec. 7.1.1)

- ETSI secretariat to send to ITU-R RP-040313 and the accompanying CDROM with the specifications (sec. 7.1)

- RAN WG1 to prioritise Rel-6 over Rel-7 Work Items (sec. 7.2.1)

- RAN WG4 to review the WI Description Sheet for UMTS2600 together with the LS from ECC PT1 (RP-040377).

- RAN Chairman to formally request to 3GPP PCG support for the additional WG1 & WG2 meetings in 2005.